

OXNARD SCHOOL DISTRICT

1051 South "A" Street • Oxnard, California 93030 • 805/385-1501



BOARD OF TRUSTEES

Mrs. Veronica Robles-Solis, President
Mrs. Debra M. Cordes, Clerk
Mr. Ernest "Mo" Morrison, Member
Mr. Denis O'Leary, Member
Mr. Albert "Al" Duff Sr., Member

ADMINISTRATION

Dr. Cesar Morales
Superintendent
Ms. Lisa Cline
Deputy Superintendent,
Business & Fiscal Services
Dr. Jesus Vaca
Assistant Superintendent,
Human Resources & Support Services
Ms. Robin I. Freeman
Assistant Superintendent,
Educational Services

AGENDA #1
REGULAR BOARD MEETING
Wednesday, August 3, 2016
5:00 p.m.
Closed Session To Follow
7:00 PM - Regular Board Meeting

***NOTE:** In accordance with requirements of the Americans with Disabilities Act and related federal regulations, individuals who require special accommodation, including but not limited to an American Sign Language interpreter, accessible seating or documentation in accessible formats, should contact the Superintendent's office at least two days before the meeting date.

Persons wishing to address the Board of Trustees on any agenda item may do so by completing a "**Speaker Request Form**" and submitting the form to the **Asst. Supt. of Human Resources**. The Speaker should indicate on the card whether they wish to speak during Public Comment or when a specific agenda item is considered.

Note: No new items will be considered after 10:00 p.m. in accordance with Board Bylaws, BB 9323 – Meeting Conduct

www.oxnardsd.org

OPIE TV – Channel 20 &
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Vision:

Empowering All Children to Achieve Excellence

Mission:

Ensure a culturally diverse education for each student in a safe, healthy and supportive environment that prepares students for college and career opportunities.



Visión:

Capacitar a cada alumno para que logre la excelencia académica

Misión:

Asegurar una educación culturalmente diversa para todo el alumnado en un ambiente seguro, saludable y propicio que les prepare para la Universidad y el acceso a oportunidades para desarrollar una carrera profesional.

**Section A
PRELIMINARY**

A.1 Call to Order and Roll Call

5:00 PM

The President of the Board will call the meeting to order. A roll call of the Board will be conducted.

A.2 Pledge of Allegiance to the Flag

Ms. Ginger Shea, Manager of Special Programs, will introduce a student from the After School Program, who will lead the audience in the Pledge of Allegiance.

A.3 District’s Vision and Mission Statements

The District’s Vision and Mission Statements will be read in English and Spanish.

A.4 Adoption of Agenda (Superintendent)

Moved:
Seconded:
Vote:

ROLL CALL VOTE:

Duff __, O’Leary __, Morrison __, Cordes __, Robles-Solis __

A.5 Study Session – July 2016 Semi-Annual Facilities Implementation Program Update (Dr. Morales/Cline/CFW, Inc.)

The Board of Trustees will receive a presentation on the July 2016 Semi-Annual Implementation Program Update as an Adjustment to the Facilities Implementation Program.

A.6 Closed Session – Public Participation/Comment (Limit three minutes per person per topic)

Persons wishing to address the Board of Trustees on any agenda item identified in the Closed Session agenda may do so by completing a “Speaker Request Form” and submitting the form to the Assistant Superintendent of Human Resources and Support Services. Public Comment shall be limited to fifteen (15) minutes per subject with a maximum of three (3) minutes per speaker.

A.7 Closed Session

1. Pursuant to Section 54956.9 of *Government Code*:
 - Conference with Legal Counsel – Anticipated Litigation: 1 case
2. REMOVAL/SUSPENSION/EXPULSION OF A STUDENT (*Education Code 48912; 20 U.S.C. Section 1232g*)
 - Case No. 15-27 (Action Item)
3. Pursuant to Sections 54957.6 and 3549.1 of the *Government Code*:
 - Conference with Labor Negotiator:
 - Agency Negotiators: OSD Assistant Superintendent, Human Resources & Support Services, and Garcia Hernández & Sawhney, LLP
 - Association(s): OEA, OSSA, CSEA;
 - and All Unrepresented Personnel - Administrators, Classified Management, Confidential

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Section A
PRELIMINARY
(continued)

A.7 Closed Session (continued)

4. Pursuant to Section 54956.8 of the *Government Code*:
 - Conference with Real Property Negotiators (for acquisition of new school site):
 - Property: Parcel located Teal Club Road, North of Teal Club Road, South of Doris Avenue
 - Agency
 - Negotiators: Superintendent/Deputy Superintendent, Business & Fiscal Services/ Garcia Hernandez & Sawhney, LLP/ Caldwell Flores Winters Inc.
 - Negotiating Parties: Dennis Hardgrave on behalf of the property owners
 - Under Negotiations: Instruction to agency negotiator on price and terms.

5. Pursuant to Section 54957 of the *Government Code* and Section 44943 of the *Education Code* the Board will consider personnel matters, including:
 - Public Employee(s) Discipline/Dismissal/Release
 - Public Employee(s) Reassignment/Appointment
 - Director, Dual Language Programs
 - Principal, Elementary (K-5)
 - Assistant Principal (K-8)

A.8 Reconvene to Open Session **7:00 PM**

A.9 Report Out of Closed Session

The Board will report on any action taken in closed session or take action on any item considered in closed session, including expulsion of students.

REMOVAL/SUSPENSION/EXPULSION OF A STUDENT (*Education Code 48912; 20 U.S.C. Section 1232g*)

- Case No. 15-27 (Action Item)
 - Motion: _____, Second: _____
 - Roll Call Vote:
 - Duff __, O’Leary __, Morrison __ Cordes __, Robles-Solis __

Note: No new items will be considered after 10:00 p.m. in accordance with Board Bylaws, BB 9323 – Meeting Conduct

Section B
HEARINGS/PUBLIC COMMENT

B.1 Public Comment/Opportunity for Members of the Public, Parents, PTA/PTO, to Address the Board (3 minutes each speaker)

Members of the public may address the Board on any matter within the Board's jurisdiction and have three (3) minutes each to do so. The total time of each subject will be fifteen (15) minutes, unless additional time is requested by a Board Member and approved by the Board. The Board may not deliberate or take action on items that are not on the agenda. The President is in charge of the meeting and will maintain order, set the time limits for the speakers and the subject matter, and will have the prerogative to remove any person who is disruptive of the Board meeting. This meeting is being video-recorded and televised.

Persons addressing the board during the consideration of an agenda item will be called to address the board prior to any presentation or consideration of the item by the Board. At the conclusion of the public comment on the item, the Board will hear the District's presentation on the matter. Board deliberation and action, if any, will follow the District's presentation. Once the public comments are presented, the board will only take comments from the public at the discretion of the Board President.

The Board particularly invites comments from parents of students in the District.

We will now read the names of the individuals who have submitted Speaker Request Forms to address the Board.

B.1 Comentarios Públicos/Oportunidad para que los Miembros de la Audiencia, los Padres, el PTA/PTO se dirija a la Mesa Directiva (3 minutos para cada ponente)

Los miembros del público pueden dirigirse a la Mesa Directiva sobre cualquier asunto dentro de la jurisdicción de la Mesa Directiva y cada uno limitar sus comentarios a tres (3) minutos. El tiempo total de cada asunto será de quince (15) minutos, a menos que, un miembro de la Mesa Directiva determine extender el tiempo y que éste sea aprobado por la Mesa Directiva. La Mesa Directiva no podrá deliberar o tomar alguna acción sobre los asuntos que no aparezcan en la agenda. El presidente dirige la junta y mantendrá el orden, establece el tiempo límite para los presentadores, el tema del asunto y tendrá la facultad de retirar a cualquier persona que cause un desorden en la sesión de la junta. Esta junta está siendo grabada y televisada.

Las personas que quieran dirigirse a la Mesa Directiva durante la consideración de un asunto de la agenda serán llamadas para dirigirse a la Mesa Directiva antes de cualquier presentación o consideración de un asunto por la Mesa Directiva. Al concluir el período de los comentarios públicos sobre un asunto, la Mesa Directiva escuchará la presentación del Distrito con respecto al tema. La deliberación y la resolución determinada por la Mesa Directiva, si se presenta alguna, procederá después de la presentación del Distrito. Una vez que los comentarios públicos hayan sido presentados, la Mesa Directiva únicamente aceptará los comentarios por parte del público a discreción del presidente de la Mesa Directiva.

La Mesa Directiva invita en particular a los padres de los alumnos del Distrito para que expresen sus comentarios.

A continuación leeremos los nombres de las personas quienes han entregado las Formas de Petición para Dirigirse a la Mesa Directiva.

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**Section C
CONSENT AGENDA**

(All Matters Specified as Consent Agenda are considered by the Board to be routine and will be acted upon in one motion. There will be no discussion of these items prior to the time the Board votes on the motion unless members of the Board request specific items be discussed and/or removed from the Consent Agenda.)

Notes:
Moved:
Seconded:

ROLL CALL VOTE:

Duff __, O’Leary __, Morrison __, Cordes __, Robles-Solis __

C.1 Acceptance of Gifts

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|---|-------------|
| It is recommended that the Board accept the following gifts: | Dept/School |
| <ul style="list-style-type: none"> ▪ From The Friends of the Camarillo Library, a donation to Soria School of 30 boxes of K-8 level books, to be used by students to read over the summer break. | Fox |

C.2 Agreements

| | |
|---|---|
| It is recommended that the Board approve the following agreements: | Dept/School |
| <ul style="list-style-type: none"> ▪ Amendment #1 to Agreement #16-29 with Action Preparedness Training, to provide additional CPR and First Aid Training to classified staff; original amount was \$6,500.00, amendment #1 is for \$5,000.00, for a total cost of \$11,500.00, to be paid with General Funds; ▪ #16-42 with Assistance League Non-Public School, to provide non-public school services to six (6) PreK students for the 2016-17 school year, including Extended School year; amount not to exceed \$56,520.00, to be paid with Special Education Funds; ▪ #16-43 with Assistance League Non-Public School, to provide non-public school services to five (5) Kindergarten students for the 2016-17 school year, including Extended School year; amount not to exceed \$48,000.00, to be paid with Special Education Funds; ▪ #16-45 with Child Development Resources of Ventura County Inc., to renew the Ground Lease terms for the Head Start Program at Haydock School, August 4, 2016 through June 30, 2017; at no cost to the District; ▪ #16-46 with Child Development Resources of Ventura County Inc., to renew the Ground Lease terms for the Head Start Program at San Miguel, August 4, 2016 through June 30, 2017; at no cost to the District; ▪ #16-47 with Child Development Resources of Ventura County Inc., to renew the Ground Lease terms for the Head Start Program at Marina West, August 4, 2016 through June 30, 2017; at no cost to the District; ▪ #16-48 with Child Development Resources of Ventura County Inc., to provide young children with the Head Start/State Preschool services at Marina West NfL Preschool for the 2016-2017 school year; at no cost to the District; ▪ #16-49 with Child Development Resources of Ventura County Inc., to provide young children with the Head Start/State Preschool services at Sierra Linda NfL Preschool for the 2016-2017 school year; at no cost to the District; ▪ #16-50 with Santa Barbara/Ventura Counties Dental Care Foundation, to provide the Maternal & Infant Oral Health Program and the Family Smiles Oral Health Program to preschool students in the District, August 4, 2016 through June 30, 2017, at no cost to the District; | Freeman/ Ridge Freeman/ Sugden Freeman/ Sugden Freeman/ Thomas Freeman/ Thomas Freeman/ Thomas Freeman/ Thomas Freeman/ Thomas Freeman/ Thomas Freeman/ Thomas |

Note: No new items will be considered after 10:00 p.m. in accordance with Board Bylaws, BB 9323 – Meeting Conduct

Section C
CONSENT AGENDA
(continued)

C.2 Agreements (continued)

| It is recommended that the Board approve the following agreements: | Dept/School |
|--|--------------------|
| <ul style="list-style-type: none"> ▪ #16-51 with Lifesigns Inc., to provide communication services for deaf, hard of hearing, or deaf-blind persons as needed for parent conferences and meetings; amount not to exceed \$5,000.00, to be paid with Title I Funds; | Freeman/ Thomas |
| <ul style="list-style-type: none"> ▪ #16-52 with American Language Services, to provide translation/interpreting services for parents who speak a language other than English or Spanish for parent conferences and meetings; amount not to exceed \$5,000.00, to be paid with Title I Funds; | Freeman/ Thomas |
| <ul style="list-style-type: none"> ▪ #16-54 with El Centrito Family Learning Centers, to provide young children with Head Start services at Ramona NfL Preschool for the 2016-2017 school year; at no cost to the District; | Freeman/ Thomas |
| <ul style="list-style-type: none"> ▪ #16-55 with El Centrito Family Learning Centers, to provide Mis Padres y Yo workshops, August 4, 2016 through June 30, 2017; amount not to exceed \$17,500.00, to be paid with First 5/Oxnard Neighborhood for Learning Funds; | Freeman/ Thomas |
| <ul style="list-style-type: none"> ▪ #16-56 with Community Action Partnership of San Luis Obispo County Inc., to provide students with Migrant & Seasonal Head Start services at Harrington School, August 4, 2016 through June 30, 2017; at no cost to the District; | Freeman/ Thomas |
| <ul style="list-style-type: none"> ▪ #16-57 with Renaissance Learning, to provide professional development to Oxnard School District staff for the 2016-2017 school year for the Accelerated Reader and Star 360 Assessment programs; amount not to exceed \$8,200.00, to be paid with General Funds; | Freeman/ Curtis |
| <ul style="list-style-type: none"> ▪ #16-58 with Ventura County Office of Education, to provide professional development to staff in the Oxnard School District for the 2016-2017 school year for the Mathematics California Common Core State Standards (CCSS-M) and continued support for the implementation of the CCSS and the California ELD Standards including Reading Foundational Skills; amount not to exceed \$47,933.60, to be paid with Title I Funds; | Freeman/ Thomas |
| <ul style="list-style-type: none"> ▪ #16-59 with Ventura County Office of Education, to support staff in the successful implementation of the PBIS CHAMPS approach; amount not to exceed \$43,500.00 and up to \$4,350.00 for Graphics charges for a total of \$47,850.00, to be paid with Allocated General Funds - LCAP; | Freeman/ Ridge |
| <ul style="list-style-type: none"> ▪ #16-60 with Oxnard Union High School District, to facilitate the collection, analysis, and sharing of the data for students who will likely be attending high school within the jurisdiction of OUHSD in order to track performance and assist the transition of students of the District to high school, August 4, 2016 through June 30, 2017; at no cost to the District; | Freeman |
| <ul style="list-style-type: none"> ▪ #16-61 with Ventura County Office of Education, to provide California English Language Arts/Literacy and English Language Development Adoption Toolkit Training leadership facilitation for the grades 6-8 pilot process for the 2016-2017 school year; amount not to exceed \$14,025.00, to be paid with Title I Funds; | Freeman/ Thomas |

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Section C CONSENT AGENDA

(continued)

C.2 *Agreements (continued)*

| It is recommended that the Board approve the following agreements: | Dept/School |
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| <ul style="list-style-type: none"> ▪ #16-63 with Gold Coast K9 to provide K9 detective sniffs in accordance with Oxnard School District policy at several schools in the district for the 2016-2017 school year; amount not to exceed \$24,000.00, to be paid with MAA Funds; | Freeman/ Ridge |
| <ul style="list-style-type: none"> ▪ #16-64 with Mixteco/Indigena Community Organizing Project (MICOP), to provide interpreting and visual translation services as needed for Mixteco and Zapoteco speaking families in the district for 2016-2017 school year; amount not to exceed \$50.00 per hour plus mileage, to be paid with General Funds; | Freeman |
| <ul style="list-style-type: none"> ▪ #16-65 with Janice Hubbard Lindsay, to provide music services at Marshall School for the 2016-2017 school year; amount not to exceed \$11,200.00, to be paid with General Funds; | Freeman/ Breitenbach |
| <ul style="list-style-type: none"> ▪ #16-66 with Child Development Resources of Ventura County, Inc., for the purpose of supplying breakfast and lunches to their Head Start Program at Sierra Linda School for the 2016-2017 school year; CDR will reimburse the District for the cost of the meals provided; | Cline/ Curwood |
| <ul style="list-style-type: none"> ▪ #16-68 with California Lutheran University, to provide educational fieldwork experiences as may be called for in the requirements of the various authorized credentials for public school service, August 4, 2016 through June 30, 2017; at no cost to the District; | Vaca |
| <ul style="list-style-type: none"> ▪ #16-69 with City of Oxnard/Oxnard Police Department (OPD) to provide two (2) day Loving Solutions Facilitator training on September 6-7, 2016; amount not to exceed \$950.00, to be paid with General Funds; | Freeman/ Ridge |
| <ul style="list-style-type: none"> ▪ #16-71 with STAR of CA Inc., to provide professional development workshops and consultation support to paraeducators and teachers working with students with emotional and behavioral challenges; August 4, 2016 through June 30, 2017; amount not to exceed \$120,000.00, to be paid with 50% MAA Funds and 50% Special Education Funds; | Freeman/ Ridge |
| <ul style="list-style-type: none"> ▪ #16-72 with Every Monday Matters Inc., to provide a curriculum for after school program students focused around “I Matter”, “You Matter”, and “We Matter”, August 4, 2016 through June 30, 2017; amount not to exceed \$9,100.00, to be paid with After School Education and Safety Grant; | Freeman/ Thomas |
| <ul style="list-style-type: none"> ▪ #16-75 with JLJ Consulting, will work collaboratively with the OSD Special Education leadership team to develop, implement and deliver professional development for assessment team members, August 4, 2016 through June 30, 2017; amount not to exceed \$75,000.00 (\$100.00 per hour), to be paid with Special Education Funds; | Freeman/ Sugden |
| <ul style="list-style-type: none"> ▪ #16-77 with 360 Degree Customer Inc., to provide direct therapy services, professional services, studies and/or reports; amount not to exceed \$85.00 per hour for Speech Therapist or \$90.00 per hour for Bilingual Speech Therapist, to be paid with Special Education Funds; | Vaca |
| <ul style="list-style-type: none"> ▪ #16-85 with Department of Toxic Substances Control (DTSC), to oversee the preparation of a Preliminary Endangerment Assessment (PEA) and other related activities, if necessary, at the proposed Doris & Patterson school site; amount not to exceed \$25,600.00, to be paid with Measure R Bond Funds. | Dr. Morales/ Cline/ CFW, Inc. |

Note: No new items will be considered after 10:00 p.m. in accordance with Board Bylaws, BB 9323 – Meeting Conduct

Section C
CONSENT AGENDA

(continued)

C.3 Ratification of Agreements

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| <p>It is recommended that the Board approve the following ratification of agreements:</p> <ul style="list-style-type: none"> ▪ #15-254 with Casa Pacifica School, to provide non-public services for Student AM111605 for the 2015-2016 school year, including Extended School Year; amount not to exceed \$5,423.00, to be paid with Special Education Funds; ▪ #15-255 with Casa Pacifica School, to provide non-public services for Student SK032703 for the 2015-2016 school year, including Extended School Year; amount not to exceed \$8,041.00, to be paid with Special Education Funds; ▪ #15-256 with Ventura Unified School District, to provide Vision Specialist services for Student JT072904 for the 2015-2016 school year, including Extended School Year; amount not to exceed \$22,898.90, to be paid with Special Education Funds; ▪ #16-44 with California Department of Education – Child Development Division Contract #CSPP-6635, funding to allow the operation of seven (7) State Preschool Sites, July 1, 2016 through June 30, 2017; \$1,196,273.00 funding to the Oxnard School District to operate State Preschool Program; ▪ #16-62 with Ventura Unified School District as the Local Education Agency for the Ventura County Indian Education Consortium, to provide Indian Education Services to Oxnard School District identified students during the 2016-2017 school year; matching funds \$3,181.28, to be paid with Title I Funds; ▪ #16-70 with Martha Tureen, to assist with gathering, organizing, and submitting required documents for FPM Review; July 1, 2016 through October 31, 2016; amount not to exceed \$4,000.00, to be paid with General Funds; ▪ #16-74 with Tri-Counties Regional Center to facilitate the operation of the Foster Grandparent Program; July 1, 2016 through June 30, 2019; at no cost to the District; ▪ #16-76 with Ventura County Office of Education; Interdistrict Transfer Agreement/MOU will serve as an understanding between local Districts that an agreement has been made to permit pupils who reside in one of the Districts to attend in the other based on the terms and conditions of the Agreement/MOU; commencing with the 2016-2017 school year and ending at the conclusion of the 2020-2021 school year; no fiscal impact to the District; ▪ #16-78 with CSM Consulting Inc., to provide services relating to E-Rate; amount not to exceed \$31,000.00 per year for a three year contract totaling \$93,000.00, payment will be from funds recovered from the E-Rate reimbursement, General Funds. | <p>Dept/School</p> <p>Freeman/ Sugden</p> <p>Freeman/ Sugden</p> <p>Freeman/ Sugden</p> <p>Freeman/ Thomas</p> <p>Freeman</p> <p>Freeman/ Thomas</p> <p>Vaca</p> <p>Dr. Morales/ Freeman</p> <p>Cline/ Franz</p> |
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Note: No new items will be considered after 10:00 p.m. in accordance with Board Bylaws, BB 9323 – Meeting Conduct

Section C
CONSENT AGENDA

(continued)

C.4 Ratification of Resolution #16-04 – California Department of Education – Child Development Division Contract #CSPP-6635

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| <p>It is the recommendation of the Assistant Superintendent, Educational Services and the Director, Curriculum, Instruction and Accountability, that the Board of Trustees ratify Resolution #16-04 with the California Department of Education – Child Development Division for the purpose of providing child care and development services and to authorize the designated personnel to sign contract documents for the Fiscal Year 2016-2017.</p> | <p>Dept/School Freeman/ Thomas</p> |
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C.5 Rejection of Proposals Received for Lease Leaseback Preconstruction and Construction Services Related to the New 12 Classroom Building Project at Thurgood Marshall Elementary School

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| <p>It is the recommendation of the District Superintendent, and the Deputy Superintendent, Business & Fiscal Services, in consultation with Caldwell Flores Winters, Inc., that the Board of Trustees reject proposals received for the lease leaseback preconstruction and construction services related to the New 12 Classroom Building Project at Thurgood Marshall Elementary School.</p> | <p>Dept/School Dr. Morales/ Cline/ CFW, Inc.</p> |
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C.6 Participation per Public Contract Code §20118 – OSD for Purchase of Standard School Supplies – Computers, Laptops, Tablets, Peripherals, and Computer-Related Equipment

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| <p>It is the recommendation of the Deputy Superintendent, Business & Fiscal Services and the Director of Purchasing, that the Board of Trustees approve participation with the Los Angeles County Office of Education Bid #15-16-1560 for the purchase of Standard School Supplies – Computers, Laptops, Tablets, Peripherals, and Computer-Related Equipment, for the performance term of the Los Angeles County Office of Education’s agreement.</p> | <p>Dept/School Cline/ Franz</p> |
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C.7 Interfund Transfers

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| <p>It is the recommendation of the Deputy Superintendent, Business & Fiscal Services and the Director of Finance, that the Board of Trustees approve the interfund transfers from General Fund, to Fund #710 CSEA Retiree Benefits Fund in the amount of \$433,457.00.</p> | <p>Dept/School Cline/ Penanhoat</p> |
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C.8 Interfund Transfers

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| <p>It is the recommendation of the Deputy Superintendent, Business & Fiscal Services and the Director of Finance, that the Board of Trustees approve the interfund transfers from General Fund, to Fund #710 Retiree Benefits Fund in the amount of \$4,275,000.00.</p> | <p>Dept/School Cline/ Penanhoat</p> |
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C.9 Approval of the 2015-2016 Quarterly Report on Williams Uniform Complaints, Fourth Quarter

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| <p>It is the recommendation of the Assistant Superintendent, Human Resources and Support Services, that the Board of Trustees approve the Quarterly Report on Williams Uniform Complaints, fourth quarter, as presented.</p> | <p>Dept/School Vaca</p> |
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Note: No new items will be considered after 10:00 p.m. in accordance with Board Bylaws, BB 9323 – Meeting Conduct

**Section C
CONSENT AGENDA**

(continued)

C.10 Consideration of Approval of New Job Description: District Enrollment Center Manager

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| It is the recommendation of the Assistant Superintendent, Human Resources and Support Services and the Director of Classified Personnel that the Board of Trustees approve the new job description for District Enrollment Center Manager, as presented. | Dept/School Vaca/ Koch |
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C.11 Approval of State Preschool Parent Handbook for 2016-2017

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| It is the recommendation of the Assistant Superintendent, Educational Services and the Director of Curriculum, Instruction and Accountability, that the Board of Trustees approve the State Preschool Parent Handbook for 2016-2017. | Dept/School Freeman/ Thomas |
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C.12 Setting of Date for Public Hearing to Present the Results of a Preliminary Environmental Assessment for the Remainder of the Lemonwood Site

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| It is the recommendation of the District Superintendent, and the Deputy Superintendent, Business & Fiscal Services, in conjunction with Caldwell Flores Winters, Inc., that the Board of Trustees approve setting the date of August 24, 2016 for a Public Hearing to present the Preliminary Environmental Assessment results for the Remainder of the Lemonwood Site. | Dept/School Dr. Morales/ Cline/ CFW, Inc. |
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C.13 Establish/Abolish/Reduce/Increase Hours of Positions

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| It is recommended that the Board approve the establishment, abolishment, reduction or increase in hours for classified positions, as submitted. | Dept/School Koch |
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C.14 Personnel Actions

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| It is recommended that the Board approve personnel actions, as submitted. | Dept/School Vaca/Koch |
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Note: No new items will be considered after 10:00 p.m. in accordance with Board Bylaws, BB 9323 – Meeting Conduct

**Section D
ACTION ITEMS**

(Votes of Individual Board Members must be publicly reported.)

D.1 Approval of WAL #006 with ATC Group Services LLC for a Soil Management Plan Associated with the Lemonwood School Reconstruction (Dr. Morales/Cline/CFW, Inc.)

It is the recommendation of the District Superintendent, and the Deputy Superintendent, Business & Fiscal Services, in consultation with Caldwell Flores Winters, Inc., that the Board of Trustees approve WAL #006 with ATC Group Services LLC for a Soil Management Plan associated with the Lemonwood School Reconstruction Project per Master Agreement #13-135 with ATC; amount not to exceed \$5,860.00, to be paid with Measure R Bond Funds.

Public Comment:
Presentation:
Moved:
Seconded:
Board Discussion:
Vote:

ROLL CALL VOTE:

Duff __, O’Leary __, Morrison __, Cordes __, Robles-Solis __

D.2 Ratification of Amendment #003 to Agreement #12-240 with Dougherty + Dougherty Architects to Provide Additional Architectural Services for the Harrington Elementary School Reconstruction Project (Dr. Morales/Cline, CFW, Inc.)

It is the recommendation of the District Superintendent, and the Deputy Superintendent, Business & Fiscal Services, in consultation with Caldwell Flores Winters, Inc., that the Board of Trustees ratify Amendment #003 to Agreement #12-240 for additional Architectural Services for the Harrington Elementary School Reconstruction Project; amount not to exceed \$8,670.00, to be paid with Measure R Bond Funds.

Public Comment:
Presentation:
Moved:
Seconded:
Board Discussion:
Vote:

ROLL CALL VOTE:

Duff __, O’Leary __, Morrison __, Cordes __, Robles-Solis __

D.3 Rejection of Informal Bid Award for Bid #16-INF-01, Harrington School Fence Project 2016 (Dr. Morales/Cline)

It is the recommendation of the District Superintendent, and the Deputy Superintendent, Business & Fiscal Services, that the Board of Trustees reject the bid for Bid #16-INF-01, Harrington School Fence Project 2016.

Public Comment:
Presentation:
Moved:
Seconded:
Board Discussion:
Vote:

ROLL CALL VOTE:

Duff __, O’Leary __, Morrison __, Cordes __, Robles-Solis __

Note: No new items will be considered after 10:00 p.m. in accordance with Board Bylaws, BB 9323 – Meeting Conduct

**Section D
ACTION ITEMS**

(Votes of Individual Board Members must be publicly reported.)

D.4 Approval of Resolution #16-05 Approving Adoption of a Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program Related to the New 12 Classroom Building Project at Thurgood Marshall Elementary School (Dr. Morales/Cline/CFW, Inc.)

It is the recommendation of District Superintendent, and the Deputy Superintendent, Business & Fiscal Services, in conjunction with Caldwell Flores Winters, Inc., that the Board of Trustees adopt Resolution #16-05 approving adoption of a Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program Related to the New 12 Classroom Building Project at Thurgood Marshall Elementary School; filing fees of \$2,260.25 to the Ventura County Clerk and Recorder will be required, to be paid with Measure R Bond Funds.

Public Comment:
Presentation:
Moved:
Seconded:
Board Discussion:
Vote:

ROLL CALL VOTE:

Duff __, O’Leary __, Morrison __, Cordes __, Robles-Solis __

D.5 Adoption of Resolution #16-06 – A Resolution of the Board of Trustees of the Oxnard School District Authorizing the Sale and Issuance of Not to Exceed \$18,000,000.00 Aggregate Principal Amount of Oxnard School District General Obligation Refunding Bonds, Series 2016 (Dr. Morales/Cline/CFW, Inc.)

It is the recommendation of the District Superintendent, and the Deputy Superintendent, Business & Fiscal Services, in consultation with Caldwell Flores Winters, Inc., that the Board of Trustees approve Resolution #16-06 and related documents that will allow for the execution of the 2016 Refunding Bonds under the terms outlined; there will be no fiscal impact to the District’s General Fund.

Public Comment:
Presentation:
Moved:
Seconded:
Board Discussion:
Vote:

ROLL CALL VOTE:

Duff __, O’Leary __, Morrison __, Cordes __, Robles-Solis __

Note: No new items will be considered after 10:00 p.m. in accordance with Board Bylaws, BB 9323 – Meeting Conduct

Section E
REPORTS/DISCUSSION ITEMS
(These are presented for information or study only,
no action will be taken.)

No Reports/Discussion Items will be presented.

**Note: No new items will be considered after 10:00 p.m. in accordance with
Board Bylaws, BB 9323 – Meeting Conduct**

Section F
BOARD POLICIES

(These are presented for discussion or study.
Action may be taken at the discretion of the Board.)

F.1 First Reading of Board Policies, Regulations and Bylaws

It is recommended that the Board review the following revised Board Policies, Administrative Regulations and Bylaws, as presented, and approve for a first reading:

| | | |
|--|--|------|
| Revision BP and AR 1312.3 | Community Relations UNIFORM COMPLAINT PROCEDURES | Vaca |
| Revision BP 2121 | Administration SUPERINTENDENT'S CONTRACT | Vaca |
| Revision BP and AR 3515.2 | Business and Noninstructional Operations DISRUPTIONS | Vaca |
| New BP 3515.7, E(1) and E(2) | Business and Noninstructional Operations FIREARMS ON SCHOOL GROUNDS | Vaca |
| Revision BP 4030 New AR 4030 | All Employees NONDISCRIMINATION IN EMPLOYMENT | Vaca |
| Delete AR 4031 | All Employees COMPLAINTS CONCERNING DISCRIMINATION IN EMPLOYMENT | Vaca |
| Revision AR 4032 | All Employees REASONABLE ACCOMMODATION | Vaca |
| Revision AR 4112.6, 4212.6, 4312.6 | All Employees EMPLOYEE FILES | Vaca |
| Revision AR 4112.23 | Certificated Employees SPECIAL EDUCATION STAFF | Vaca |
| Revision BP and AR 4119.11, 4219.11, 4319.11 | All Employees SEXUAL HARASSMENT | Vaca |
| New BP 4121 | Certificated Personnel TEMPORARY/SUBSTITUTE PERSONNEL | Vaca |
| Revision BP and AR 4154, 4254, 4354 | All Personnel HEALTH AND WELFARE BENEFITS | Vaca |
| New AR 4161.1 and 4361.1 | Certificated Personnel PERSONAL ILLNESS/INJURY LEAVE | Vaca |
| New AR 4161.2, 4261.2, 4361.2 | All Personnel PERSONAL LEAVES | Vaca |
| New AR 4161.11, 4261.11, 4361.11 | All Personnel INDUSTRIAL ACCIDENT/ILLNESS LEAVE | Vaca |
| New AR 4261.1 | Classified Personnel PERSONAL ILLNESS/INJURY LEAVE | Vaca |
| Revision BP and AR 5141 | Students HEALTH CARE AND EMERGENCIES | Vaca |
| Revision AR 6145.2 | Instruction ATHLETIC COMPETITION | Vaca |
| New BP 6151 | Instruction CLASS SIZE | Vaca |

**Note: No new items will be considered after 10:00 p.m. in accordance with
Board Bylaws, BB 9323 – Meeting Conduct**

**Section F
BOARD POLICIES**

(These are presented for discussion or study.
Action may be taken at the discretion of the Board.)

F.2 Second Reading of Board Policies, Regulations and Bylaws

It is recommended that the Board review the following revised Board Policies, Administrative Regulations and Bylaws, as presented, and adopt for a second reading:

Moved:
Seconded:
Board Discussion:
Vote:

| | | |
|--------------------------------------|---------------------------|-------------------|
| Revision AR 5141.31 BP 5141.31 | Students IMMUNIZATIONS | Freeman/ Ridge |
|--------------------------------------|---------------------------|-------------------|

ROLL CALL VOTE:

Duff __, O’Leary __, Morrison __, Cordes __, Robles-Solis __

**Note: No new items will be considered after 10:00 p.m. in accordance with
Board Bylaws, BB 9323 – Meeting Conduct**

**Section G
CONCLUSION**

G.1 Superintendent’s Announcements (3 minutes)

A brief report will be presented concerning noteworthy activities of district staff, matters of general interest to the Board, and pertinent and timely state and federal legislation.

Notes:

G.2 Trustees’ Announcements (3 minutes each speaker)

The trustees’ report is provided for the purpose of making announcements, providing conference and visitation summaries, coordinating meeting dates, identifying board representation on committees, and providing other information of general interest.

Notes:

ADJOURNMENT

Moved:
Seconded:
Vote:

Note: No new items will be considered after 10:00 p.m. in accordance with Board Bylaws, BB 9323 – Meeting Conduct

BOARD AGENDA ITEM

Name of Contributor(s): Dr. Morales/Cline

Date of Meeting: 8/3/16

STUDY SESSION X
CLOSED SESSION
SECTION B: HEARINGS
SECTION C: CONSENT AGENDA
SECTION D: ACTION
SECTION E: REPORTS/DISCUSSION
SECTION F: BOARD POLICIES 1st Reading 2nd Reading

Presentation of the July 2016 Semi-Annual Implementation Program Update as an Adjustment to the Facilities Implementation Program (Morales/Cline/CFW)

On a semi-annual basis, Caldwell Flores Winters, Inc. provides the District’s Board of Trustees with an update to the Facilities Implementation Program (Program), originally adopted by the Board in January of 2013. This marks the seventh semi-annual update, following those provided to the Board in June 2013, December 2013, June 2014, December 2014, June 2015, and December 2015. As with the prior updates, the July 2016 report contains a review of program implementation activities completed in the preceding six months and outlines anticipated activities for the next six months. It also reviews the master program schedule and master program budget and proposes adjustments as warranted by changes in State programs, the availability of new data, and pursuant to findings from previous Board actions.

The Program called for the development of educational Strand Focus programs at the K-5 elementary schools, Academy programs at the 6-8 middle schools and dual language immersion programs at the K-8 schools and is now beginning its third academic year of educational program development. All schools in the District now have an Academic Strand Focus (K-5 schools) or an Academy (K-8 and 6-8 schools) integrated into the school’s overall educational vision, with the programs continuing to mature. The focus now centers on continuing principal training, increasing the cognitive rigor within the curriculum, ongoing professional development, and integration of the District’s technology program, including effective use of 1:1 iPad devices and upgraded classroom learning environments. In coordination with these educational program efforts, the technology program has featured an ongoing integration of new tools, capabilities, and innovations into the design and construction of new classroom facilities.

To date, all Phase 1 facility improvements are either completed, under construction, or in design. These efforts include the acquisition of the Seabridge elementary school site, the completion of kindergarten and science lab upgrades to 22 classrooms across eight school sites, the opening of the new Harrington campus, and the construction start of the new Lemonwood school. The designs for the grade 6-8 addition to Marshall and the new Elm campus are in the final stages of Division of State Architect (DSA) review and approval. A new joint elementary and middle school site is also in active negotiation by the District.

A revised Master Budget has been prepared that projects an increase to the overall funding, primarily from increased developer fees and anticipated increases in additional residential development within the District’s boundaries. Recent and periodic increases to base State aid grant amounts are also anticipated to benefit the collection of additional sources of funds by the District. Proposed uses remain based on previously approved projects and increases approved by the Board. No changes to the program schedule are recommended at this time.

FISCAL IMPACT:

The revised Master Budget recommends total project funding of approximately \$202.4 million from various sources, an adjustment of approximately \$4.4 million over course of the three phase program, primarily from increased developer fees and anticipated increases in additional residential development within the District’s boundaries. Recent and periodic increases to base State aid grant amounts are also anticipated to benefit the collection of additional sources of funds by the District. Proposed uses remain based on previously approved projects and increases approved by the Board.

RECOMMENDATION:

It is the recommendation of the Superintendent and the Deputy Superintendent, Business & Fiscal Services, that the Board receive the July 2016 Semi-Annual Implementation Program Update for adoption at its 08/24/16 regular meeting.

ADDITIONAL MATERIAL(S):

- July 2016 Semi-Annual Implementation Program Update Report (40 pages)



July 2016

OXNARD
SCHOOL
DISTRICT

SEMI-ANNUAL IMPLEMENTATION PROGRAM UPDATE

Seventh Semi-Annual Report to the Board of Trustees



Prepared by:

Caldwell Flores Winters

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6425 Christie Avenue, Suite 270
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For:

Oxnard School District

1051 South A Street
Oxnard, CA 93030

Board of Trustees

Veronica Robles-Solis, President
Debra M. Cordes, Clerk
Ernest Morrison, Trustee
Denis O'Leary, Trustee
Albert Duff Sr., Trustee

District Administrators

Dr. Cesar Morales, Superintendent
Lisa Cline, Deputy Superintendent, Business and Fiscal Services
Robin Freeman, Assistant Superintendent, Educational Services
Dr. Jesus Vaca, Assistant Superintendent, Human Resources and Support Services
Valerie Mitchell, Chief Information Officer

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SECTION 1:

PROGRAM OVERVIEW

Caldwell Flores Winters, Inc. (“CFW”) is pleased to present the seventh Measure “R” Facilities Implementation Program (“Program”) Semi-Annual Update to the Oxnard School District (“District”) Board of Trustees (“Board”). The report reflects conditions of the District’s Program between the conclusion of the December 2015 update and the time of this document’s publishing in July 2016. Updates are provided on the educational and facilities implementation components, as well as the funding and sequencing requirements to implement the Program. Recommendations are provided for consideration and further action by the Board over the next six-month period.

The Program integrates the District’s vision for education initiatives with a facilities plan that supports the implementation of these initiatives. The Program is funded by the **Basic Program** which relies on local funding, including developer fees, Mello Roos funds, capital program balances, voter approved Measure “R” proceeds, plus additions under the **Enhanced Program** which seeks to add to the Basic Program by maximizing State aid reimbursements for modernization and construction of school facilities. The Program is currently operating under the Basic Program to accommodate the delayed funding of the State School Facilities Program (SFP) which is responsible for State funding of school facilities modernization and construction projects.

Since the adoption of the Program in January 2013, the District has been able to:

- Reduce overcrowding at elementary schools by adopting a K-5 educational strand and facilities program at eleven school sites
- Convert the prior three junior high schools to 6-8 middle schools that support an academy based instructional program
- Expand the K-8 instructional program to six K-8 school sites to increase parent choice
- Implement an extended day kindergarten program with improved facilities
- Deploy over 18,000 1:1 mobile devices to students and teachers
- Open the new Harrington campus, commence construction of the new Lemonwood school, and the submit design plans to the Division of State Architect (DSA) for a grade 6-8 addition to Marshall and new Elm reconstructed campus

1.1 EDUCATIONAL PROGRAM

The Program called for the development of Academic Strand Focus programs at the K-5 elementary schools, Academy programs at the 6-8 middle schools and dual language immersion programs at the K-8

schools and is now beginning its third academic year of educational program development. All schools in the District now have an Academic Strand Focus (K-5 schools) or an Academy (K-8 and 6-8 schools) integrated into the school's overall educational vision, with the programs continuing to mature. The K-8 schools have completed their first year of implementation of their Academy programs and have students in both kindergarten and first grade enrolled in the dual language immersion program.

During the second year of implementation, the work plan called for improving and expanding integrated units for each K-5 Academic Strand Focus school, developing the first integrated unit for each of the K-8 Academies, and improving the transferability of these processes to other curriculum and instructional needs. All of the schools have developed and taught at least one integrated unit. The focus now centers on continuing principal training, increasing the cognitive rigor within the curriculum, ongoing professional development, and integration of the District's technology program, including effective use of 1:1 iPad devices and upgraded classroom learning environments.

Monthly training sessions were held with principals in January, March, and April. Individual meetings were held with principals in February and May to give specific feedback regarding their instructional units. Principals used these techniques with their teachers to refine and enhance the integrated units that were developed. As a result of the training on Project Based Learning (PBL) and its relationship to the Academic Strand Focus and Academy programs, a group of teacher leaders attended a week long training in June designed to teach teachers how to encourage their students' use of problem solving, creativity, and critical thinking while engaged in the curriculum.

At the core of the K-5 Academic Strand Focus Program and the K-8 Academy Program is a rigorous curriculum that is organized around an academic theme selected by the school staff. English language arts, mathematics, and social studies Common Core State Standards (CCSS) and Next Generation Science Standards (NGSS) as well as English Language Development (ELD) standards are integrated through student projects that demonstrate mastery of the curriculum standards selected. The focus for the past six months has been on the alignment of the standards, the curriculum, the student projects, and the cognitive rigor of the integrated unit. For the 2016-17 school year, the District will focus staff development on providing more integration of the academic themes and improving instructional strategies in the classrooms.

In coordination with the District's Educational Program, the Technology Program has featured an ongoing integration of new tools, capabilities, and innovations into the design and construction of new classroom facilities. For example, since relocating to the new Harrington campus, students and teachers have been able to utilize learning environments that combine multiple 60" flat-screen AV displays, Apple TV streaming media devices, and District issued iPad mobile computing devices, along concurrently planned classroom enhancements such as floor-to-ceiling, wall-to-wall marker boards, mobile furnishing, and flexible storage. In order to combine and integrate 21st century learning practices, paradigms, and classroom environments with aforementioned efforts to supply increased rigor in integrated units, the District continues to provide teacher training and development opportunities that incorporate these multiple disciplines.

1.2 FACILITIES PROGRAM

To date, all Phase 1 facility improvements are either completed, under construction, or in design. These efforts include the acquisition of the Seabridge elementary school site, the completion of kindergarten and science lab upgrades to 22 classrooms across eight school sites, the opening of the new Harrington campus, and the construction start of the new Lemonwood school. The designs for the grade 6-8 addition to Marshall, and the new Elm campus are in the final stages of DSA review and approval. A new joint elementary and middle school site is also in active negotiation by the District.

Specific details of the status of each project are provided in this report and summarized below:

- The design of a joint use park for the Seabridge property is underway. Efforts to acquire property in the Northwest portion of the District at Doris Avenue and Patterson Road are nearing completion. The District continues to coordinate with various local agencies regarding required annexation efforts for the Doris/Patterson property. The environmental review process is also underway including the preparation of an environmental impact report and evaluation of soil samples and potential impacts associated with the current and historical agricultural use of the Doris/Patterson property.
- The District is continuing to explore and evaluate options to provide administrative office facilities either through retaining the District's current administrative office property and redeveloping the property through a ground-lease arrangement by a third party or constructing replacement facilities as part of the Doris/Patterson site.
- Project 1 improvements including kindergarten and science upgrades were completed in 2014 and have been closed with certification by the DSA. Remaining punch list items at Haydock and Fremont have moved forward with the District self-performing remaining items while coordinating inspection of the final work with the Inspector of Record (IOR).
- The District has been reviewing facilities and financing plans district wide to better house its current and future K-8 enrollment resulting in proposed alternative support facilities to Driffill school. Should the District elect to move in this direction, existing budgets for the Measure "R" Program would need to be increased and consolidated for efficient program phasing. These issues are expected to be resolved as part of the December six-month update.
- In March, the Board approved a Guaranteed Maximum Price (GMP) construction contract for the Lemonwood project followed by an April groundbreaking ceremony celebrating the start of construction. Construction commenced in May and is planned to occur over two phases to minimize disruptions to the ongoing educational program with a scheduled construction completion in 2018. Required environmental studies for the first phase of construction have been completed and similar Phase 2 studies and reviews are underway which are required for final California Department of Education (CDE) approvals. DSA approval of the construction plans for the Early Childhood Development facility is anticipated by August.

- The District celebrated the grand opening of the new Norma Harrington Elementary School for student occupancy in January 2016. The remaining parking facilities, field playground areas, access walkways and exterior lighting were completed in April. The design team submitted exterior perimeter fencing as requested and approved by the Board to DSA in May with DSA approval received in June and an anticipated August completion. DSA approval of the plans for the Early Childhood Development is expected by August with construction anticipated to begin upon DSA approval.
- The Elm reconstruction project has been submitted to DSA and approval is anticipated in August. Upon DSA approval, the project will be scheduled for construction upon Board approval. DSA approval for the Marshall twelve (12) classroom building project is anticipated by end of summer. Upon DSA approval, the District will initiate the proceedings necessary for contractor selection and construction for Marshall.
- Over the last six-month period, the District has been reviewing alternate methods to extend the scope of Measure “R”, and additional funding and sequencing requirements to implement an integrated program for the next set of proposed improvements. In March 2016, the Board adopted a Master Construct Program designed to work in tandem with the Measure “R” Implementation Program. Two major sources of funds have been identified to fund the implementation of the Master Construct Program including matching State grants and the passage of a local general obligation bond measure to provide the local match for eligible State grants and to fund the balance of required improvements.

1.3 FUNDING & SEQUENCING

Overall funding is projected to increase to approximately \$202.4 million, primarily from increased developer fees and anticipated increases in additional residential development within the District’s boundaries. Recent and periodic increases to base State aid grant amounts are also anticipated to benefit the collection of additional sources of funds by the District. Proposed uses remain based on previously approved projects and increases approved by the Board. No changes to the program schedule are recommended at this time.

1.4 RECOMMENDATIONS

It is recommended that the Board:

- Accept and adopt the July 2016 Semi-Annual Implementation Program Update as an adjustment to the Program.
- Establish a date at its regularly scheduled December 2016 meeting to consider the next six-month update.

SECTION 2:

EDUCATIONAL PROGRAM

The Program now begins its third academic year of educational program development, and continues to function as the driver of corollary facilities improvements and integrated educational technology designed to further enable the educational mission as first adopted in January 2013. All schools in the District now have an Academic Strand Focus (K-5 schools) or an Academy (K-8 and 6-8 schools) integrated into the school's overall educational vision, with the programs continuing to mature. The K-8 schools have completed their first year of implementation of their Academy programs and have students in both kindergarten and first grade enrolled in the dual language immersion program.

The work plan called for improvement and expansion of integrated units developed during the second year of implementation for each K-5 Academic Strand Focus school, developing the first integrated unit for each of the K-8 Academies, and improving the transferability of these processes to other curriculum and instructional needs. All of the schools have developed and taught at least one integrated unit. The focus now centers on continuing principal training, increasing the cognitive rigor within the curriculum, ongoing professional development, and integration of the District's technology program, including effective use of 1:1 iPad devices and upgraded classroom learning environments.

2.1 PRINCIPAL TRAINING PROGRAM

An ongoing emphasis on staff development for site principals improves the capability of District staff to evaluate curriculum for alignment with the CCSS and NGSS and with the required student projects to demonstrate competency of the standards as well as determine the rigor and depth of knowledge within the curriculum of the integrated units. As leaders of their schools, it is important that principals understand how to evaluate the curriculum and how to impart this knowledge to their teachers for growth and sustainability of the educational program over time. When principals better understand these concepts, they are able to act as more effective role models for their teachers, provide greater resources for staff development, and contribute positively to the educational program, leading to improved student achievement.

In response to the District's need for additional K-5 and K-8 staff development, monthly training sessions held on January 21, March 17 and April 26 and 27 of 2016 built upon the leadership training presented in the fall 2015. In February and May individual meetings were held with principals and specific feedback was given regarding their instructional units. Several goals of the staff development – and its desired impact on the educational programs at each school – were identified, modeled and practiced:

- Evaluate curriculum for rigor and significant depth of knowledge as well as alignment with CCSS and NGSS

- Understand process for determining alignment of student products and projects called for in the integrated units with the CCSS and NGSS and the New Taxonomy
- Develop sample student projects aligned to the CCSS and NGSS that increase cognitive rigor within integrated units
- Recognize the principles of Project Based Learning (PBL) and how these principles might be incorporated into an integrated unit
- Identify effective resources and share them with the District

Training sessions for the group of K-5 principals were typically held on the same day as, though separately from, the group of K-8 principals, with each training approximately two to four hours in length. Individual sessions with the principals lasted approximately one hour. The training focused on determining alignment of the CCSS and NGSS with the student projects and products, and evaluating the rigor and depth of knowledge of the instructional units. If the instructional units did not have sufficient depth of knowledge or rigor, principals were guided through a process to determine specifically what could be done to increase the educational value of the curriculum. Finally, the principals used these techniques with their teachers to refine and enhance the integrated units that were developed. In many cases, this process was then used to increase rigor and depth of knowledge for other curriculum teachers were developing.

As a result of the training on Project Based Learning and its relationship to the Academic Strand Focus and Academy programs, the principals determined the need to have a group of teacher leaders attend a week long training that was held in June 2016. This training concentrated on building curriculum units with a focus on the academic theme of a school and incorporation of a high interest driving question aligned to the CCSS and/or NGSS along with a culminating student project that demonstrates mastery of the standards. Instructional strategies were introduced and taught to help teachers guide their students' learning as they engage in real life hands on projects, rather than the traditional lecture or asking students to answer simple questions. The PBL training was designed to teach teachers how to encourage their students' use of problem solving, creativity, and critical thinking while engaged in the curriculum. Requiring students to show mastery of the CCSS and NGSS at a high cognitive level, as demonstrated through student projects related to the theme of the school, will increase the rigor of the educational program in Oxnard.

2.2 INCREASING COGNITIVE RIGOR

At the core of the K-5 Academic Strand Focus Program and the K-8 Academy Program is a rigorous curriculum that is organized around an academic theme selected by the school staff. This academic theme serves as a catalyst for decision making, including choice of curriculum and instructional development within each classroom as well as additional enrichment activities or elective classes offered to students. English language arts, mathematics, and social studies CCSS and NGSS as well as English Language Development (ELD) standards are integrated through student projects that demonstrate mastery of the curriculum standards selected. The focus for the past six months has been on the alignment of the standards, the curriculum, the student projects, and the cognitive rigor of the integrated unit.

To prepare our students for jobs they will enter, classroom curriculum and instruction must be of significant rigor. It must require students to know information, interact with the information and then use the information in a meaningful way. In the 1950's Benjamin Bloom developed a taxonomy to help teachers formulate lessons that practice and develop thinking skills over a range of cognitive difficulty by categorizing questions and activities according to their level of abstraction. To differentiate the taxonomy levels, Bloom used verbs. However, the same verb is used at multiple levels making the level of difficulty not clearly articulated. A new model was developed by Dr. Norman Webb at the Wisconsin Center for Educational Research to more clearly articulate the rigor and depth of knowledge of a lesson. The Depth of Knowledge model relates more closely to the depth of content understanding and scope of a learning activity, which manifests in the skills required to complete a task from inception to the final product. In 2007 Robert Marzano and John Kendall combined the information from Bloom and Webb into a comprehensive structure to determine the cognitive rigor required of a lesson or unit of study and created a model titled the "New Taxonomy." The model contains six levels of cognitive rigor and within each of these levels are the mental processes required along with a clear definition. This New Taxonomy was used in the training sessions with the principals as the guide for determining the cognitive rigor of the integrated units developed.

The integrated units, originally developed by teachers at each site, were reviewed by the entire group of K-5 or K-8 principals during the training sessions. The principals formed a professional learning community by learning from and supporting each other as they took the feedback received on the integrated units and made revisions. The principals then returned to their site and provided the same staff development training for their teachers by guiding them to make needed revisions that required more cognitive rigor of their students. While this process was developed to build high quality integrated units within K-5 Academic Strand Focus and K-8 Academy programs, the transferability of the process easily enables it to be used by staff for other forms of curriculum development. Thus, ongoing work toward development of integrated units has the potential to increase the alignment of standards, curriculum, rigor and depth of knowledge in instruction across the District.

Utilizing a school focusing on environmental science as an example, the principals explored the process required to add rigor to an existing integrated unit. Consider a second grade integrated unit titled "Life Cycle" with the NGSS Life Science standards used as controlling standards around which the other standards were integrated. In this example, the standard required the students to understand and answer the following questions:

- How do organisms live, grow, and respond to their environment and reproduce?
- How and why do organisms interact with their environment and what are the effects of those interactions?

A reading standard was integrated by having the students read informational texts about animals and plants in their habitats, reading "Johnny Appleseed," and memorizing a poem about seeds. For social studies concepts, the students studied how they are producers and consumers of plants and had discussions about climates. ELD standards were incorporated through the specific use of visual aids and

vocabulary instruction on words students need to learn to understand the science concepts. For math, they measured the height of their plants and graphed the results. Teachers brought in apples, students studied the seeds, and they cooked and ate the apples. Students saw videos of plants, drew plants and their parts, labeled the parts of the plant, and wrote in their journals about each of the activities. A field trip to a farm provided students the opportunity to walk among plants and learn about farm to table concepts as well as the role of producers and consumers. In the culminating project, each student planted seeds in the classroom and in the school garden and watched them grow.

Using the New Taxonomy, the group of principals determined that the overall level of difficulty required of the student to complete the seed and planting project was at the lowest level, Level 1 “Retrieval”, as it only required students show and demonstrate how a plant grows when planting a seed. The level of difficulty for drawing and labeling the plant (if a diagram was not given to the students to follow) as well as for measuring and graphing the height of the plant was identified as Level 2 “Comprehension.”

The principals were then lead through a series of questions to determine what they could do to increase the cognitive rigor of the integrated unit. It was decided that while many of the activities of the lesson were fun and engaging, there was very little cognitive rigor in the lesson, and the final student project did not have students demonstrate mastery of the life science standards selected as the project did not sufficiently respond to the questions asked by the standards.

The principals determined a series of adjustments to the lesson that would raise it to Level 3 “Analysis”, including: having students grow plants under different conditions, charting the results of the plant growth under these conditions, comparing and contrasting the differences, and documenting this in a presentation using their handheld device. Likewise, reaching Level 4 “Knowledge Utilization” would require students to ask and test the hypothesis “What would happen if?” By changing the final student projects, the integrated unit now requires much more cognitive rigor and has alignment with the NGSS.

The principal of the school referenced in the above example took this feedback to the teachers, who applied the same process to modify the integrated unit to include both suggested student projects above. In addition, they added two additional student projects to address both standards: 1) the students had to find an outdoor location where young plants can grow and thrive and explain why they choose the location (Level 4 Knowledge Utilization), and 2) the students had to describe how a change in weather, like extended heat wave, might affect the plant (Level 4 Knowledge Utilization). In addition to changing the final student project, they modified the CCSS, ELA, ELD and math standards that were integrated into the overall unit of study making sure they were very closely aligned with the final student projects. While the overall project took more time to complete, the required level of cognitive rigor increased significantly.

2.3 ONGOING PROFESSIONAL DEVELOPMENT

For the 2016-17 school year, the District will focus staff development on providing more integration of the academic themes and improving instructional strategies in the classrooms. All TK, K, 1st and 2nd grade teachers will receive intensive staff development in the teaching of reading. This training will begin in September and culminate in November 2016 for a total of ten staff development days with three full days

of training for each grade level and one day for TK teachers. The District has adopted McGraw Hill as the new language arts textbook and held a related staff development session in June with another scheduled for August.

In the next six months, all schools will continue to develop their Academic Strand Focus or Academy programs and principals will be provided with individual feedback and training to enable each of the schools to revise their integrated units by October 2016, taking into account the newly adopted language arts curriculum and ELD standards. Beginning in October 2016, trainings will occur again with the principals in various group configurations. Sometimes K-5 principals will meet as a group, with K-8 principals meeting separately, while other training will incorporate groups of a mixed grade level depending on the staff development needs. The goal over the next academic year is to have three integrated units completed at each site, for each grade level, with sufficient cognitive rigor.

2.4 TECHNOLOGY PROGRAM INTEGRATION

In coordination with the District's Educational Program, the Technology Program has featured an ongoing integration of new tools, capabilities, and innovations into the design and construction of new classroom facilities. Historically, schools in the District were designed and built primarily on the basis of meeting code and capacity requirements and conforming technology choices to prevailing traditions of classroom orientation and previous building design. That is why classrooms built prior to the Measure "R" Program, yet completed in the 21st century, featured a basic design and appearance largely similar to 19th and 20th century counterparts, with modern technology and educational programs shoehorned into generally predefined spaces and without consideration for the changes brought about by current educational program needs and the greater freedom from previous technological barriers. To achieve a 21st century classroom environment requires that the traditional design approach be reversed, allowing planning and technology integration to start with the educational program needs and specifications required such that classrooms or school facilities are designed "from the inside-out", first assuring that all functions and innovations sought by the educational program are achieved, followed by necessary considerations to meet code or other requirements generated by the proposed design.

This approach was harnessed for the design and construction of the new Harrington school, which opened to students and teachers in January 2016. For example, since relocating to the new campus, students and teachers at the new Harrington school have been able to utilize learning environments that combine multiple 60" flat-screen AV displays, Apple TV streaming media devices, and District issued iPad mobile computing devices, along concurrently planned classroom enhancements such as floor-to-ceiling, wall-to-wall marker boards, mobile furnishing, and flexible storage.

Teachers have taken advantage of this setup to:

- Project videos from their iPad to one or all displays, using a standard and familiar TV remote control to adjust volume.
- Visually share documents or project images from the textbook, as they would on a document camera, visible by all students on multiple walls of the room at the same time

- Play calming music for students while working on a project
- Experiment with interactive learning applications, virtual field trips, classroom movie-making, along with many other innovative uses of the classroom technology to integrate CCSS curriculum



Teacher of a third-grade class utilizing new technology at Harrington Elementary (Source: Ventura County Star)

Conceptually, the possible technology uses are broad and far reaching when effectively combining the District’s 1:1 mobile device technology program with the flexible design approach used in new facilities made possible by the Program. To provide training and professional development opportunities for this new learning environment, the District continues to offer a demonstration classroom at its District office, in addition to the demonstration space established at Haydock.

In order to combine and integrate 21st century learning practices, paradigms, and classroom environments with aforementioned efforts to supply increased rigor in integrated units, the District continues to provide teacher training and development opportunities that incorporate these multiple disciplines. For example, teachers from each K-5 school participated in week long training on Project Based Learning methods in June 2016 provided by the Buck Institute. As teams of teachers began writing integrated units, some used the cloud based online service called Gooru that offers millions of resources and lesson plans. The open source material blends the resources of large data sets with crowd sourced content so that students have information and immediate access to material for increased learning opportunities using their 1:1 mobile device. Additionally, more students are reading books online using their iPads from a tool called “MyOn” which allows books to be downloaded while at school and then read while at home. Many of the books students are reading are informational texts related to the Academic Strand Focus or Academy of their school. Several teachers are having students create projects using their iPad to record information such as talking or video, creating “Prezi” presentations, creating movies, and completing research.

SECTION 3:

FACILITIES PROGRAM

To date, all Phase 1 facility improvements are either completed, under construction or in design. These efforts include the acquisition of the Seabridge elementary school site, the completion of kindergarten and science lab upgrades to 22 classrooms across eight school sites, the opening of the new Harrington campus, and the construction start of the new Lemonwood school. The designs for the grade 6-8 addition to Marshall, and the new Elm campus are in the final stages of DSA review and approval. A new joint elementary and middle school site is also in active negotiation by the District. This section provides summaries and updates on the various Phase 1 projects, including those mentioned above.

3.1 LAND ACQUISITION & DEVELOPMENT

The District has succeeded in acquiring a new K-5 site in the Southwest portion of the District at the Seabridge location. Interactions with the City of Oxnard, the District, and the original site developer D.R. Horton continues to complete the design of a joint use park and address requests made from the developer on improvements to the property. Efforts to acquire property in the Northwest portion of the District at Doris Avenue and Patterson Road are nearing completion. Over the next sixth months, the team anticipates continued efforts to coordinate with local and State agencies in order to get necessary approvals and proceed with the planned acquisition of the Northwest site.

3.1.1 SOUTHWEST ELEMENTARY SCHOOL SITE

The District acquired the Southwest School Site in 2013 and has filed a grant application with the State Office of Public School Construction (OPSC) for reimbursement of site acquisition costs. As reported in December 2015, State funding remains oversubscribed, pending replenishment by state wide voters of a statewide bond measure in November 2016. Until then, the District's application for funding remains in cue, subject to the availability of funding.

The developer, D.R. Horton submitted a request to the City of Oxnard to place a drainage retention basin on the District's property. As a result, meetings were held in May and June 2016 with the District and the City of Oxnard's engineering and planning departments to discuss this request from D.R. Horton and the District's concerns. D.R. Horton has also prepared a draft design of the joint use park. At these meetings, the City of Oxnard also committed to collaborate with the District on the design of the joint use park. Over the next sixth months, the City of Oxnard will arrange a meeting to include the District and D.R. Horton to resolve the retention basin concerns and collaborate on the joint park design. These activities are also being coordinated with the District's legal counsel.

3.1.2 DORIS/PATTERSON SCHOOL SITE

The District has elected to proceed with the acquisition of 25 acres located at the intersection of Doris Avenue and Patterson Road. The District has conducted various preliminary environmental studies of the property to assist with evaluating the suitability of site for use as a possible school site. The District has also received preliminary site approval from the CDE with respect to the proposed site. The District and the property owner continue to have fruitful discussions on the acquisition of the site based on a negotiated acquisition price and terms.

The District continues to coordinate with the various local agencies, including the City of Oxnard, and the Ventura County Local Agency Formation Commission (LAFCo) regarding required annexation efforts for the property. Meetings have been held to discuss the required steps to complete the annexation process. The team has also met with the Ventura County Agriculture Commissioner to provide additional information and with the Calleguas Water District to discuss annexation of the Doris/Patterson parcel into the Metropolitan Water District. Over the next six months, efforts will continue to coordinate local agency approval efforts, including presentations as needed with LAFCo, City personnel and other required agencies. During this process preliminary architectural design concepts will be required to be developed and will be brought for Board action as needed.

The environmental review process is also underway. As approved by the Board, an environmental consultant has been directed to prepare an environmental impact report of the site. As required by the Department of Toxic Substances Control (DTSC), a Phase I Environmental Site Assessment has been completed and a Level II Environmental Assessment is underway. This work will be overseen by DTSC and will require evaluation of soil samples and potential impacts associated with the current and historical agricultural use of the property. Once completed, this will be presented to the Board for further consideration.

3.1.3 DISTRICT ADMINISTRATIVE FACILITIES

The December 2015 update provided a proposed alternative to the District to explore the option of retaining the District's current administrative office property and redeveloping the property through a ground-lease arrangement by a third party and reorganized to support the construction of multi-story professional buildings with ancillary open space and parking. The District is continuing to explore and evaluate this option. Likewise, the ability to construct replacement facilities as part of the Doris/Patterson in order to achieve greater efficiencies and reduced costs is also being explored. Once more information is available for either option, the Board will be presented more detailed information for its consideration and direction.

3.2 KINDERGARTEN & SCIENCE RECONFIGURATION

Kindergarten and science facility improvements were completed in 2014 and have been closed out with certification by the DSA. Additional work was completed at Ritchen over the summer of 2015 and also certified. As of December 2015, remaining punch list items from the assigned construction manager at Haydock and Fremont have moved forward with the District self-performing remaining items while coordinating inspection of the final work with the inspector of record (IOR).

3.3 DRIFFILL RECONFIGURATION

Improvements to the Driffill school were constructed as part of the District’s P2P program, including a 29 classroom construction effort and the partial removal of portable classrooms and demolition of an older classroom wing. Additional kindergarten and multipurpose facilities remain to be constructed. The Measure “R” Program originally included a plan to construct a new four classroom kindergarten wing to replace the demolished older classroom wing. The District conducted two public bid attempts for the project and the project was ultimately placed on hold by the District while budgeting solutions were developed. Phase II of the Measure “R” Program also included a budget to provide multipurpose facilities at Driffill.

In the interim, the District has been reviewing facilities and financing plans district wide to better house its current and future K-8 enrollment. These plans would require the construction of a new Driffill gymnasium supplying athletic practice courts, bleachers, physical education changing rooms, a food services preparation kitchen and necessary restrooms. Should the District elect to move in this direction, existing budgets for the Measure “R” Program would need to be increased and Phase 2 improvements would need to be consolidated with Phase 1. These issues are expected to be resolved in November in time for inclusion as part of the December six-month update.



3.4 LEMONWOOD RECONSTRUCTION

The new Lemonwood school will accommodate 900 students in grades K-8, including 28 general purpose classrooms, 4 Kindergarten classrooms, 3 science/flex lab classrooms, and 2 special education classrooms. Specified support facilities, administration areas, media center, food service, multipurpose room, physical education spaces, and restrooms will also be provided.



In March 2016, the Board approved a Guaranteed Maximum Price (GMP) construction contract of approximately \$29.6 million and corresponding lease leaseback agreements for construction of the Lemonwood project.

In April 2016, the District conducted a groundbreaking ceremony celebrating the start of construction. The event was well received by the community. Construction commenced in May 2016 and is planned to occur over two phases to minimize disruptions to the ongoing educational program with a scheduled construction completion in 2018.



Required environmental studies for the first phase of construction have been completed and have received approval from the DTSC. Similar Phase 2 studies and DTSC reviews are underway which are required for final CDE approvals. This will allow for an application to be submitted to OPSC for State aid reimbursement of eligible construction costs.

3.4.1 LEMONWOOD EARLY CHILDHOOD DEVELOPMENT CENTER



The reconstruction of the Lemonwood facility also retains and repurposes Building 3 of the original campus for use as an Early Childhood Development facility. Six modernized classrooms will provide space for enhanced kindergarten programs that may also accommodate transitional kindergarten or preschool programs as may be required by the District. The construction plans were submitted to DSA in November 2015. Since December 2015, the team has conducted a series of coordination efforts to track the progress of the project. The design team anticipates the receipt of final DSA approval by August 2016. Applications for the use of State grants to OPSC are anticipated to be filed subsequent to the approval of the construction plans by DSA.

3.5 HARRINGTON RECONSTRUCTION



The District celebrated the grand opening of the new Norma Harrington Elementary School for student occupancy in January 2016 with a community open house and a media tour for students, community members, and media representatives. Both events were very well received resulting in positive comments and extensive media coverage. Since January, other interested school districts have toured and commented on the innovative 21st century model approaches utilized at the new school for consideration and adaptation at their districts.



The remaining parking facilities, field playground areas, access walkways and exterior lighting were completed in April 2016. Parking areas are now divided by the use of bollards to separate kindergarten traffic from the elementary school traffic. The design team submitted exterior perimeter fencing as requested and approved by the Board to DSA in May with DSA approval received in June, bidding in July, and anticipated completion and installation thereafter in August.

3.5.1 HARRINGTON EARLY CHILDHOOD DEVELOPMENT CENTER

The reconstruction of the Harrington facility retains and repurposes Building 4 of the original campus for use as an Early Childhood Development facility. The facility will provide classrooms for enhanced kindergarten programs that may also accommodate transitional kindergarten or preschool programs as may be required by the District. The plans were submitted to DSA in November 2015 and are expected for approval by August 2016. Applications for the use of State grants to OPSC are anticipated to be filed subsequent to the approval of the construction plans by DSA. Construction is anticipated to begin upon DSA approval and approval of a contractor by the Board.

3.6 ELM RECONSTRUCTION



The Elm reconstruction project replaces an older school with 25 new permanent classrooms to serve up to 600 students per State standards and to maximize reimbursements eligible from the State's SFP new construction grants. The project has been submitted to DSA and approval is anticipated in August. Upon DSA approval, the project will be scheduled for construction upon Board approval. The project is scheduled to be completed within 18 months of award of the construction contract. Award of contract is anticipated to occur in the Fall of 2016.

3.7 MARSHALL NEW GRADE 6-8 CLASSROOM BUILDING



The Board has approved the construction of a twelve (12) classroom building at Marshall to meet the interim 6-8 grade level capacity required until a new middle school is constructed and to provide Marshall with additional classrooms and a long-term K-8 educational program option. Upon completion, the facility will contain 40 permanent classrooms with a capacity to house 900 students per State standard for K-8 school facilities.

The project has been submitted to DSA and the design team received plan check review comments from DSA in June 2016. The design team is currently addressing the plan review comments and anticipates DSA approval by end of summer. Additionally, the District has completed the required California Environmental Quality Act (CEQA) studies and a Mitigated Negative Declaration is scheduled for Board approval in August 2016. Applications for the use of State grants to OPSC are anticipated to be filed subsequent to the approval of the construction plans by DSA. Upon DSA approval, the District will initiate the proceedings necessary for contractor selection and construction.

3.8 MASTER CONSTRUCT PROGRAM

Over the last six-month period, the District has been reviewing alternate methods to extend the scope of Measure “R”, and additional funding and sequencing requirements to implement an integrated program for the next set of proposed improvements for Board consideration. A program has been designed to work in tandem with the Measure “R” Implementation Program by adopting its programmatic goals and facilities specifications, building upon the sources and uses of funds already allocated by the District, and interlacing its scheduling, sequencing, and cash flow requirements to leverage the next level of proposed improvements. At its March 16, 2016 meeting, the Board adopted a Master Construct Program to meet these needs and to direct the next set of facility improvements. These improvements include:

- Construction of two new elementary schools and a new middle school to accommodate existing and increased enrollment growth
- Reconstruction of four remaining K-5 schools built in the 1940s through the 1960s that are in need of replacement to maintain the District’s existing capacity to house students
- Acceleration of the modernization of identified support spaces at the District’s older schools, wherever possible, beyond that contemplated by Measure “R”

Two major sources of funds have been identified to fund the implementation of the Master Construct Program:

- Matching State grants under the SFP for eligible modernization and new construction projects
- Passage of a local general obligation bond measure to provide the local match for eligible State grants and to fund the balance of required modernization and new construction improvements

In total, \$224.9 million in additional program improvements are proposed. Of this amount, approximately \$ 142.5 million in program improvements are proposed to be funded with a new general obligation bond, with the balance available from a combination of available local resources, including State aid reimbursements, local developer fees and remaining bond proceeds. In the interim, the District has requested that the County place a \$142.5 million bond measure on the November 8, for consideration by District voters. Until such time as the new measure is approved by local voters, it is the District’s intent to proceed with the adopted Measure “R” improvement program. The following sections update the Board on the financial status and schedule of implementation for the Measure “R” program.

FUNDING & SEQUENCING

The Measure “R” Program is funded by the Basic Program which relies on local funding, including developer fees, Mello Roos funds, capital program balances, voter approved Measure “R” proceeds, plus an Enhanced Program that seeks to maximize State aid reimbursements for modernization and construction of school facilities as State funds become available. The Program is currently operating under the Basic Program to accommodate the delayed funding of the State’s School Facilities Program (SFP) which is responsible for State funding of school facilities modernization and construction projects. To date all Mello Roos and Measure “R” bond proceeds have been received, and available capital program balances have been applied towards Phase 1 improvements. Local developer fees continue to flow into the program as additional residential construction is approved within the boundaries of the District. State aid reimbursements await additional voter approval in November and legislative action thereafter before Enhanced Program options may be engaged in the funding of Measure “R” Program projects.

The overall Measure “R” projects, sequencing, and timelines continue to be reviewed and adjusted by the Board on a six-month interval since the Program’s inception in 2013. During this period, the District has elected to add the expansion of Marshall Elementary to accommodate grade 6-8 enrollment, and to expand the total amount of kindergarten facilities to the new Harrington and Lemonwood replacement schools. These facilities are also being designed to accommodate pre-school enrollment, if required. The major changes, however, have been the acceleration of the construction of the new Lemonwood campus by two (2) years, the planning for proposed multipurpose room improvements at the District’s P2P schools, and the assignment of budget, timelines, and resources to accelerate the acquisition of a new joint grade K-6 and 6-8 school site facility at Doris/Patterson to better accommodate the current and future District grades K-8 enrollment.

The following components update the Board on the status of the previously adopted master budget and schedule as of the December 2015 six-month review and recommended adjustments for the next six-month period.

4.1 ADOPTED MASTER BUDGET

Table 1 presents the Adopted Program Master Budget as of December 2015 and contains available sources of funding and anticipated expenditures towards project construction. The costs associated with construction are generally identified as “hard” costs and “soft” costs. Hard costs are resultant from the construction itself (e.g. materials and labor). Soft costs are those costs that are an integral part of the building process and are usually preparatory to, or supportive of, the construction. These include professional fees and other related, but non-construction costs (e.g. design development, legal services, permitting, etc.). In combination, they comprise what is properly called the total “project” cost. The total

adopted budget for all phases is approximately \$197.9 million, of which approximately \$122.9 million is for the current Phase 1.

TABLE 1: ADOPTED MASTER BUDGET (FY 2013 – FY 2026)

| Sources | Est. Total | Phase 1 | Phase 2 | Phase 3 |
|---------------------------------|-----------------------|-----------------------|----------------------|----------------------|
| Measure "R" Authorization | | | | |
| Series A | \$ 18,390,000 | \$ 18,390,000 | \$ - | \$ - |
| Series B | \$ 25,500,000 | \$ 25,500,000 | \$ - | \$ - |
| Series C | \$ 15,750,000 | \$ 15,750,000 | \$ - | \$ - |
| Series D | \$ 30,360,000 | \$ 30,360,000 | \$ - | \$ - |
| Measure "L" Authorization | \$ 3,316,728 | \$ 3,316,728 | \$ - | \$ - |
| Measure "M" Authorization | \$ - | \$ - | \$ - | \$ - |
| State Bonds | \$ 285,166 | \$ 285,166 | \$ - | \$ - |
| Est. State Reimbursements | \$ 61,721,398 | \$ - | \$ 33,127,856** | \$ 28,593,542 |
| Est. Developer Fees | \$ 22,121,646 | \$ 10,072,597 | \$ 3,977,819 | \$ 8,071,230 |
| Mello Roos Proceeds | \$ 9,088,089 | \$ 9,088,089 | \$ - | \$ - |
| State Reimbursements (Driffill) | \$ 9,001,083 | \$ 9,001,083 | \$ - | \$ - |
| Est. Interest Earnings | \$ 2,458,268 | \$ 1,173,945 | \$ 1,261,128 | \$ 23,195 |
| Est. Total Sources | \$ 197,992,378 | \$ 122,937,607 | \$ 38,366,803 | \$ 36,687,967 |

| Uses | Est. Total | Phase 1 | Phase 2 | Phase 3 |
|------------------------------------|-----------------------|-----------------------|----------------------|----------------------|
| Acquire New K-5 Elementary Site | \$ 7,635,282 | \$ 7,635,282 | \$ - | \$ - |
| Acquire New K-5/Middle School Site | \$ 660,000 | \$ 660,000 | \$ - | \$ - |
| Reconstruct Harrington Elementary | \$ 23,127,171 | \$ 23,127,171 | \$ - | \$ - |
| Reconstruct Elm Elementary | \$ 21,076,943 | \$ 21,076,943 | \$ - | \$ - |
| Reconstruct Lemonwood K-8 | \$ 31,402,250 | \$ 31,402,250 | \$ - | \$ - |
| Marshall K-8 (CR) | \$ 8,097,558 | \$ 8,097,558 | \$ - | \$ - |
| Driffill K-8 (K/MPR) | \$ 6,371,802 | \$ 2,477,832 | \$ 3,893,970 | \$ - |
| Chavez K-8 (SL/MPR) | \$ 2,639,828 | \$ 632,249 | \$ 2,007,579 | \$ - |
| Curren K-8 (SL/MPR) | \$ 5,165,127 | \$ 583,627 | \$ 4,581,500 | \$ - |
| Kamala K-8 (SL/MPR) | \$ 2,687,047 | \$ 602,508 | \$ 2,084,539 | \$ - |
| McAuliffe ES (K/MPR) | \$ 1,777,234 | \$ 336,509 | \$ - | \$ 1,440,725 |
| Brekke ES (K/MPR) | \$ 968,679 | \$ 271,122 | \$ - | \$ 697,557 |
| Ritchen ES (K/MPR) | \$ 3,901,725 | \$ 631,837* | \$ - | \$ 3,269,888 |
| Project 1 Adjustment | \$ 284,586 | \$ 284,586 | \$ - | \$ - |
| Fremont MS (SL/Gym) | \$ 7,380,054 | \$ 1,822,619 | \$ 5,557,436 | \$ - |
| Haydock MS (SL/Gym) | \$ 6,623,903 | \$ 1,066,467 | \$ 5,557,436 | \$ - |
| Marina West ES (K, MPR) | \$ 6,027,002 | \$ - | \$ - | \$ 6,027,002 |
| McKinna ES (K) | \$ 1,307,554 | \$ - | \$ - | \$ 1,307,554 |
| Rose ES (K, MPR) | \$ 7,992,686 | \$ - | \$ - | \$ 7,992,686 |
| Sierra Linda ES (K, MPR) | \$ 5,024,564 | \$ - | \$ - | \$ 5,024,564 |
| Ramona ES (MPR) | \$ 1,755,474 | \$ - | \$ - | \$ 1,755,474 |
| Planning for K-8 MPRs | \$ 175,000 | \$ 175,000 | \$ - | \$ - |
| Harrington CDC | \$ 1,083,351 | \$ 1,083,351 | \$ - | \$ - |
| Lemonwood CDC | \$ 860,386 | \$ 860,386 | \$ - | \$ - |
| Technology | \$ 29,201,175 | \$ 11,201,175 | \$ 9,000,000 | \$ 9,000,000 |
| Subtotal | \$ 183,226,382 | \$ 114,028,471 | \$ 32,682,459 | \$ 36,515,451 |
| Program Reserve | \$ 15,795,926 | \$ 8,909,136 | \$ 3,268,246 | \$ 3,618,544 |
| Est. Total Uses | \$ 197,992,377 | \$ 122,937,607 | \$ 35,950,705 | \$ 39,104,064 |
| Est. Ending Fund Balance | \$ 0 | \$ 0 | \$ 2,416,098 | \$ 0 |
| Revised Master Budget | \$ 197,992,378 | | | |

*Includes New Special Day Classroom

**Assumes that only reimbursements for Lemonwood, Harrington, and Land Acquisition are received in Phase 2

Phase 1 spans the period from FY2013-2017 and is underway. Completed work includes:

- improvements to kindergarten facilities at Ritchen, Brekke, McAuliffe, and Driffill schools, and construction of science labs at Chavez, Curren, Kamala, Haydock, and Fremont schools to accommodate the educational reconfiguration plan
- purchase of the first of two planned elementary school sites to accommodate existing and future District enrollment
- occupancy of the newly constructed Harrington Elementary to replace the prior obsolete facility
- deployment of State-of-the-art learning resources, including 1:1 mobile devices for all students and teachers at every school district wide

Phase 1 projects in progress include:

- construction of the new Lemonwood K-8 school to replace the older existing facility
- approval of design drawings by DSA of the new Elm Elementary and award of contract to construct a new facility to replace the outdated school
- approval of design drawings by DSA of the new Marshall grade 6-8 expansion and award of contract to construct additional classrooms and support improvements
- completion of the acquisition of a joint second elementary school site and an additional middle school site to accommodate existing and future enrollment

Phase 2 begins in 2018 and extends through the fiscal year ending in 2020 with major work focused on gym improvements at Fremont and Haydock Middle schools and multipurpose rooms improvements at Chavez, Curren, Kamala and Driffill. The replenishment of new technology is likewise included to accommodate upgrades for 1:1 mobile devices for student and teacher use. Without additional sources of local funding, Phase 2 is highly dependent on the implementation of the Enhanced Program which requires receipt of State aid reimbursements and future developer fee collections for full program implementation.

Phase 3 is projected to begin in 2021 and extends through the fiscal year ending in 2026. Major work during this phase includes design and construction of multipurpose room improvements at Marina West, Rose, Sierra Linda, Brekke, McAuliffe, Ramona, and Ritchen schools and improvement of kindergarten facilities at McKinna, Marina West, Rose, and Sierra Linda schools. Funds for the scheduled refresh and deployment of modern classroom technology are also budgeted. Phase 3 is also highly reliant on State aid reimbursements and developer fee collections, absent additional local funding.

4.2 REVISED MASTER BUDGET

Table 2 below presents the proposed Revised Master Budget for Board consideration as part of the current six-month update report. Total sources of funding are anticipated to increase to approximately \$202.4 million, primarily from increased developer fees and anticipated increases in additional residential development within the District's boundaries. Recent and periodic increases to base State aid grant amounts are also anticipated to benefit the collection of additional sources of funds by the District. Proposed uses remain based on previously approved projects and increases approved by the Board.

TABLE 2: REVISED MASTER BUDGET (FY 2013 – FY 2026)

| Sources | Est. Total | Phase 1 | Phase 2 | Phase 3 |
|---------------------------------|-----------------------|-----------------------|----------------------|----------------------|
| Measure "R" Authorization | | | | |
| Series A | \$ 18,390,000 | \$ 18,390,000 | \$ - | \$ - |
| Series B | \$ 25,500,000 | \$ 25,500,000 | \$ - | \$ - |
| Series C | \$ 15,750,000 | \$ 15,750,000 | \$ - | \$ - |
| Series D | \$ 30,360,000 | \$ 30,360,000 | \$ - | \$ - |
| Measure "L" Authorization | \$ 3,316,728 | \$ 3,316,728 | \$ - | \$ - |
| Measure "M" Authorization | \$ - | \$ - | \$ - | \$ - |
| State Bonds | \$ 285,166 | \$ 285,166 | \$ - | \$ - |
| Est. State Reimbursements | \$ 63,254,458 | \$ - | \$ 33,557,908** | \$ 29,696,550 |
| Est. Developer Fees | \$ 24,762,099 | \$ 10,429,243 | \$ 4,731,785 | \$ 9,601,071 |
| Mello Roos Proceeds | \$ 9,088,089 | \$ 9,088,089 | \$ - | \$ - |
| State Reimbursements (Driffill) | \$ 9,001,083 | \$ 9,001,083 | \$ - | \$ - |
| Est. Interest Earnings | \$ 2,652,028 | \$ 1,173,945 | \$ 1,349,821 | \$ 128,262 |
| Est. Total Sources | \$ 202,359,650 | \$ 123,294,253 | \$ 39,639,513 | \$ 39,425,884 |

| Uses | Est. Total | Phase 1 | Phase 2 | Phase 3 |
|------------------------------------|-----------------------|-----------------------|----------------------|----------------------|
| Acquire New K-5 Elementary Site | \$ 7,635,282 | \$ 7,635,282 | \$ - | \$ - |
| Acquire New K-5/Middle School Site | \$ 660,000 | \$ 660,000 | \$ - | \$ - |
| Reconstruct Harrington Elementary | \$ 23,596,732 | \$ 23,596,732 | \$ - | \$ - |
| Reconstruct Elm Elementary | \$ 21,076,943 | \$ 21,076,943 | \$ - | \$ - |
| Reconstruct Lemonwood K-8 | \$ 36,275,327 | \$ 36,275,327 | \$ - | \$ - |
| Marshall K-8 (CR) | \$ 8,097,558 | \$ 8,097,558 | \$ - | \$ - |
| Driffill K-8 (K/MPR) | \$ 6,371,802 | \$ 2,477,832 | \$ 3,893,970 | \$ - |
| Chavez K-8 (SL/MPR) | \$ 2,639,828 | \$ 632,249 | \$ 2,007,579 | \$ - |
| Curren K-8 (SL/MPR) | \$ 5,165,127 | \$ 583,627 | \$ 4,581,500 | \$ - |
| Kamala K-8 (SL/MPR) | \$ 2,687,047 | \$ 602,508 | \$ 2,084,539 | \$ - |
| McAuliffe ES (K/MPR) | \$ 1,777,234 | \$ 336,509 | \$ - | \$ 1,440,725 |
| Brekke ES (K/MPR) | \$ 968,679 | \$ 271,122 | \$ - | \$ 697,557 |
| Ritchen ES (K/MPR) | \$ 3,901,725 | \$ 631,837 | \$ - | \$ 3,269,888 |
| Project 1 Adjustment | \$ 284,586 | \$ 284,586 | \$ - | \$ - |
| Fremont MS (SL/Gym) | \$ 7,380,054 | \$ 1,822,619 | \$ 5,557,436 | \$ - |
| Haydock MS (SL/Gym) | \$ 6,623,903 | \$ 1,066,467 | \$ 5,557,436 | \$ - |
| Marina West ES (K, MPR) | \$ 6,027,002 | \$ - | \$ - | \$ 6,027,002 |
| McKinna ES (K) | \$ 1,307,554 | \$ - | \$ - | \$ 1,307,554 |
| Rose ES (K,MPR) | \$ 7,992,686 | \$ - | \$ - | \$ 7,992,686 |
| Sierra Linda ES (K,MPR) | \$ 5,024,564 | \$ - | \$ - | \$ 5,024,564 |
| Ramona ES (MPR) | \$ 1,755,474 | \$ - | \$ - | \$ 1,755,474 |
| Planning for K-8 MPRs | \$ 175,000 | \$ 175,000 | \$ - | \$ - |
| Harrington CDC | \$ 1,083,351 | \$ 1,083,351 | \$ - | \$ - |
| Lemonwood CDC | \$ 860,386 | \$ 860,386 | \$ - | \$ - |
| Technology | \$ 29,201,175 | \$ 11,201,175 | \$ 9,000,000 | \$ 9,000,000 |
| Subtotal | \$ 188,569,019 | \$ 119,371,109 | \$ 32,682,459 | \$ 36,515,451 |
| Program Reserve | \$ 14,820,561 | \$ 3,923,145 | \$ 6,957,054 | \$ 3,940,363 |
| Est. Total Uses | \$ 202,359,650 | \$ 123,294,254 | \$ 39,639,513 | \$ 39,425,883 |
| Revised Master Budget | \$ 202,359,650 | | | |

*Includes New Special Day Classroom

**Assumes that only reimbursements for Lemonwood, Harrington, and Land Acquisition are received in Phase 2

4.2.1 PHASE I MASTER BUDGET & SCHEDULE

Major adjustments to the Phase 1 budget are centered on additional project improvements at Harrington which has now been completed and additional adjustments to costs to the Lemonwood project since it

was first budgeted for expenditure in 2012. All of these adjustments have been presented and approved by the Board and are identified below to demonstrate cumulative changes since the last six-month period. The balance of project costs remains the same from the prior six-month period.

TABLE 3: PHASE I MASTER BUDGET & SCHEDULE (FY 2013 – FY 2017)

| Project | Adopted Schedule Jan 2013 | Schedule As of Jun 2016 | Budget | Variance |
|--|---------------------------|-------------------------|----------------------|------------------|
| Acquire New Sites | | | | |
| Elementary School | 2013 | 2013 | \$7,635,282 | \$0 |
| SE Elementary School | | | \$0 | \$0 |
| K-5 / Middle School | | 2014/16 | \$660,000 | \$0 |
| Est. Subtotal Acquire New Sites | | | \$8,295,282 | \$0 |
| Design & Reconstruct Sites | | | | |
| Harrington Elem. K-5 | 2013/14 | 2013/14 | \$23,596,732 | \$469,561 |
| Lemonwood K-8 | 2014/16 | 2014/18 | \$36,275,327 | \$4,873,077 |
| Elm Elem. K-5 | 2015/16 | 2014/16 | \$21,076,943 | \$0 |
| Est. Subtotal Design & Reconstruct Sites | | | \$80,949,001 | \$5,342,637 |
| Design & Improve K-5 Kindergarten Facilities | 2013/14 | 2013/14 | | |
| Ritchen | | | \$631,837 ** | \$0 |
| Brekke | | | \$271,122 | \$0 |
| McAuliffe | | | \$336,509 | \$0 |
| Driffill | | | \$2,477,832 | \$0 |
| Est. Subtotal Kindergarten Facilities | | | \$3,717,300 | \$0 |
| Design & Construct Science Labs | 2013/14 | 2013/14 | | |
| Chavez Science Labs K-8 | | | \$632,249 | \$0 |
| Curren Science Labs K-8 | | | \$583,627 | \$0 |
| Kamala Science Labs K-8 | | | \$602,508 | \$0 |
| Haydock Science Labs 6-8 & Utility Upgrades | | | \$1,066,467 | \$0 |
| Fremont Science Labs 6-8 & Utility Upgrades | | | \$1,822,619 | \$0 |
| Est. Subtotal Science Labs | | | \$4,707,469 | \$0 |
| Project 1 Adjustment | | 2015 | \$284,586 | \$0 |
| Childhood Development Center Improvements | | | | |
| Harrington | | 2015 | \$1,083,351 | \$0 |
| Lemonwood | | 2016 | \$860,386 | \$0 |
| Est. Subtotal Pre-Kindergarten Improvements | | | \$1,943,737 | \$0 |
| Marshall K-8 12 Classroom Building | | 2015/17 | \$8,097,558 | \$0 |
| Planning for K-8 MPRs | | 2016 | \$175,000 | \$0 |
| Technology | 2013/16 | 2013/15 | \$11,201,175 | \$0 |
| Program Reserve | 2013 | 2013 | \$3,923,145 | (\$4,985,991) |
| Est. Total | | | \$123,294,253 | \$356,646 |

*Current dollars

**Includes New Special Day Classroom

4.2.2 PHASE II MASTER BUDGET & SCHEDULE

Without additional sources of local funding, Phase 2 is highly dependent on the receipt of State aid reimbursements from Phase 1 improvements and future net developer fee collections for full program implementation. As demonstrated in Table 4, projects remain focused on the construction of multipurpose room improvements at Chavez, Curren, Kamala, and Driffill K-8 schools and additional gym/multipurpose room improvements at Fremont and Haydock middle schools. The technology program is also budgeted for ongoing upgrades to maintain 21st Century Facilities standards and connectivity. The majority of these projects are ahead of the original adopted schedule established by the Board in 2013.

TABLE 4: PHASE II MASTER BUDGET & SCHEDULE (FY 2018 – FY 2020)

| Project | Adopted Schedule Jan 2013 | Schedule As of Jun 2016 | Budget | Variance |
|--|---------------------------|-------------------------|---------------------|--------------------|
| Design & Construct K-8 Multipurpose Room | | | | |
| Chavez | 2023 | 2020 | \$2,007,579 | \$0 |
| Curren | 2025 | 2020 | \$4,581,500 | \$0 |
| Kamala | 2023 | 2020 | \$2,084,539 | \$0 |
| Driffill | 2023 | 2020 | \$3,893,970 | \$0 |
| Est. Subtotal K-8 Multipurpose Room | | | \$12,567,588 | \$0 |
| Design & Construct 6-8 Gym/MPR | | | | |
| Fremont | 2019 | 2019 | \$5,557,436 | \$0 |
| Haydock | 2021 | 2019 | \$5,557,436 | \$0 |
| Est. Subtotal 6-8 Gym/MPR | | | \$11,114,871 | \$0 |
| Est. Subtotal K-8/6-8 MPR/Gyms | | | \$23,682,459 | \$0 |
| Technology | 2020 | 2020 | \$9,000,000 | \$0 |
| Program Reserve | 2017 | 2018 | \$6,957,054 | \$3,688,808 |
| Est. Total | | | \$39,639,513 | \$3,688,808 |

*Current dollars

4.2.3 PHASE III MASTER BUDGET & SCHEDULE

The Phase 3 schedule and budget remain unchanged from the December six-month update report. Once again absent additional local funding, Phase 3 project implementation remains dependent on State aid reimbursements from prior phases and ongoing net developer fees for implementation. This phase is dedicated to provide new multipurpose rooms and kindergarten spaces at Marina West, Rose, Sierra Linda, Brekke, McAuliffe, Ramona and Ritchen Schools and multipurpose room improvements at McKinna, Marina West, Rose and Sierra Linda. The technology budget is also replenished for the continued upgrade of 21st Century learning spaces and student and teacher connectivity. Again, the majority of these projects are ahead of schedule when compared to the original schedule approved by the Board in 2013.

TABLE 5: PHASE III MASTER BUDGET & SCHEDULE (FY 2021 – FY 2026)

| Project | Adopted Schedule Jan 2013 | Schedule As of Jun 2016 | Budget | Variance |
|--|---------------------------|-------------------------|---------------------|------------------|
| Design & Construct K-5 Multipurpose Room | | | | |
| Marina West | 2025 | 2026 | \$3,511,836 | \$0 |
| Rose | 2025 | 2024 | \$4,812,469 | \$0 |
| Sierra Linda | 2025 | 2023 | \$3,197,339 | \$0 |
| Brekke | 2025 | 2026 | \$697,557 | \$0 |
| McAuliffe | 2022 | 2022 | \$1,440,725 | \$0 |
| Ramona | 2022 | 2022 | \$1,755,474 | \$0 |
| Ritchen | 2021 | 2021 | \$3,269,888 | \$0 |
| Est. Subtotal K-5 Multipurpose Room | | | \$18,685,288 | \$0 |
| Design & Improve K-5 Kindergarten Facilities | | | | \$0 |
| McKinna | 2022 | 2021 | \$1,307,554 | \$0 |
| Marina West | 2022 | 2021 | \$2,515,166 | \$0 |
| Rose | 2024 | 2022 | \$3,180,218 | \$0 |
| Sierra Linda | 2022 | 2021 | \$1,827,226 | \$0 |
| Est. Subtotal Kindergarten Facilities | | | \$8,830,164 | \$0 |
| Technology | 2025 | 2025 | \$9,000,000 | \$0 |
| Program Reserve | 2021 | 2021 | \$3,940,363 | \$321,819 |
| Est. Total | | | \$40,455,814 | \$321,819 |

*Current dollars

SECTION 5:

STATE AID, DEVELOPER FEES & EXPENDITURES

5.1 STATE AID

Through the Office of Public School Construction (OPSC), the State of California provides funding assistance to eligible public school districts through the SFP. OPSC operates various programs pursuant to State Law and provides projects to be considered by the State Allocation Board (SAB) for specific funding. Funding is provided to school districts in the form of per pupil grants, with supplemental grants for site development, site acquisition, and other project specific costs. Pupil grant amounts are periodically reviewed for increase by the SAB.

The program provides new construction and modernization grants to construct new school facilities or modernize existing schools. To receive State grants, a district is required to match the grant portion of the cost of an eligible project from available district funds. This may include proceeds from local general obligation bonds, developer fees, and a district's general fund.

Historically, project funding by the State has been supported through the periodic approval of State bonds for school improvements by California voters. The California for Quality Schools (CQS) initiative is underway to place a \$9 billion K-14 school bond on the November 2016 ballot; including \$3 Billion for K-12 New Construction and \$3 billion for K-12 Modernization. Legislators are also seeking a solution to the school facilities funding issue in the shape of three active bills currently in various committees. It is anticipated that the CQS initiative will be the vehicle by which a ballot measure would be placed before voters. The three proposed legislative bills will continue to be addressed in committees but would eventually be closed out in favor of the CQS initiative. It is anticipated that this ballot measure would be officially placed on the November 2016 ballot by August 2016.

The Implementation Program has been designed to optimize available and anticipated State grants for planned improvements. The District continues to participate in the State program for school modernization and new construction. The Program is subject to periodic adjustment; therefore the district continues to maintain an active role in seeking and navigating the overall process. These programs are summarized below as well as the District's current and projected eligibility for program funding. Applications that have been approved by the District and submitted to OPSC are catalogued below and projected applications for potential funding of additional projects are also presented. Estimated grant amounts have been updated to reflect the SAB per pupil annual grant adjustments for 2016.

5.1.1 STATE AID MODERNIZATION ELIGIBILITY UPDATE

The State's Modernization Program provides state funds on a 60-40 state and local sharing basis for improvements that educationally enhance existing school facilities. Eligible projects include modifications such as air conditioning, plumbing, lighting, and electrical systems. Applications are submitted to the OPSC in two stages:

1. **Eligibility:** Modernization eligibility is established separately for each school site and requires that permanent facilities be at least 25 years old and portable facilities be at least 20 years old. Students must be enrolled in those facilities based on State classroom loading standards of 25 per classroom for grades K-6 and 27 per classroom for grades 7-8. Once established, site eligibility is not subject to annual review.
2. **Funding:** A district with modernization eligibility may request funding on a 60-40 State grant/local match basis. The pupil grant is currently \$4,049 for grades K-6 and \$4,283 for grades 7-8. Eligible costs include design, construction, educational technology, testing, inspection, furniture and equipment. Limited supplemental funding is available for excessive cost such as fire safety and accessibility improvements. Grant levels are periodically reviewed by the State. Program funding is subject to project performance and certification at the completion of construction.

Table 6 summarizes the District's eligibility for State modernization grants for permanent and portable facilities, provides a summary of submitted applications, and illustrates remaining eligibility after applications are submitted. These are estimated based on an inventory maintained by the District for each school site relative to age of classroom facilities.

Since the December 2015 update, the estimated grants for eligible school sites and submitted applications have been updated to reflect the State's 2016 annual adjustment to the per pupil grant amount. To date, two grant applications have been submitted to the State for the Fremont and McAuliffe Phase I modernization projects totaling approximately \$1 million based on the current 2016 per pupil grant amount. This amount represents the estimated base grant and excludes any additional anticipated allowances (e.g., accessibility, fire code, etc.) which may increase the potential overall grant amount upon apportionment. As reported in December 2015, approximately 127 classrooms are currently eligible for modernization which could garner approximately \$13.4 million in State grants for Phase 1 improvements based on updated per pupil grant amounts. An additional \$16.9 million in eligibility is projected to be available during Phase 3 project implementation.

Taking into consideration the applications filed, total remaining modernization eligibility is estimated to be \$29.2 million over the planned phases of improvements. All modernization projects require a local match to be provided by the District.

TABLE 6: ESTIMATED MODERNIZATION ELIGIBILITY – CLASSROOMS 60-40 PROGRAM (2016)

| School Site | CRMs | Phase I (FY 2013-17) | | Phase II (FY 2018-20) | Phase III (FY 2021-26) | | Total Amount |
|-------------------------------|------------|-------------------------|---------------------|--------------------------|---------------------------|---------------------|---------------------|
| | | CRMs | Amount | | CRMs | Amount | |
| Brekke | 28 | 0 | | | 28 | \$2,834,300 | \$2,834,300 |
| Chavez | 0 | 0 | | | 0 | | \$0 |
| Curren | 1 | 0 | | | 1 | \$101,225 | \$101,225 |
| Driffill | 0 | 0 | | | 0 | | \$0 |
| Elm | 19 | 0 | | | 19 | \$1,923,275 | \$1,923,275 |
| Frank | 48 | 0 | | | 48 | \$5,550,768 | \$5,550,768 |
| Fremont | 36 | 36 | \$4,163,076 | | 0 | | \$4,163,076 |
| Harrington | 0 | 0 | | | 0 | | \$0 |
| Haydock | 0 | 0 | | | 0 | | \$0 |
| Kamala | 5 | 0 | | | 5 | \$506,125 | \$506,125 |
| Lemonwood | 15 | 8 | \$809,800 | | 7 | \$708,575 | \$1,518,375 |
| Marina West | 14 | 8 | \$809,800 | | 6 | \$607,350 | \$1,417,150 |
| Marshall | 0 | 0 | | | 0 | | \$0 |
| McAuliffe | 35 | 33 | \$3,340,425 | | 2 | \$202,450 | \$3,542,875 |
| McKinna | 14 | 7 | \$708,575 | | 7 | \$708,575 | \$1,417,150 |
| Ramona | 24 | 0 | | | 24 | \$2,429,400 | \$2,429,400 |
| Ritchen | 29 | 27 | \$2,733,075 | | 2 | \$202,450 | \$2,935,525 |
| Rose | 3 | 0 | | | 3 | \$303,675 | \$303,675 |
| Sierra Linda | 16 | 8 | \$809,800 | | 8 | \$809,800 | \$1,619,600 |
| Soria | 0 | 0 | | | 0 | | \$0 |
| Total | 287 | 127 | \$13,374,551 | | 160 | \$16,887,968 | \$30,262,519 |
| Submitted Applications | | | | | | | |
| Project 1 - Fremont | | 8 | \$925,128 | | | | |
| Project 1 - McAuliffe | | 1 | \$101,225 | | | | |
| Remaining Eligibility | | 9 | \$1,026,353 | | 160 | \$16,887,968 | \$29,236,166 |

*Current dollars

5.1.2 STATE AID NEW CONSTRUCTION ELIGIBILITY UPDATE

The State’s New Construction Program provides State funds on a 50/50 state and local sharing basis for eligible projects that add permanent classroom capacity to a school district. The goal is to add capacity to school districts to house students, including the construction of a new school or the addition of classrooms to an existing school. Applications are submitted to the OPSC in two stages:

1. **Eligibility:** Eligibility for new construction funding is not site specific and is determined by the gap between a district’s projected enrollment and its existing permanent classroom capacity. Classroom capacity is based on State loading standards of 25 students per classroom for grades K-6 and 27 students per classroom for grades 7-8. Historical and projected student enrollment, plus approved, but not yet built residential units, are utilized to estimate the gap between the amount of future students and the current ability to house students in

permanent facilities. Portable classrooms are not counted by the State as being permanently available to house pupils. Until approved for construction, eligibility is subject to annual review.

2. **Funding:** Once eligibility is approved, a district may apply for funding on a 50/50 State grant/local match basis. The pupil grant is currently \$10,634 for grades K-6 and \$11,247 for grades 7-8, and is counted based on each student found to exceed a district’s permanent capacity to house students. Eligible costs include design, construction, testing, inspection, furniture and equipment, and other costs closely related to the actual construction of school buildings. Supplemental grants are available for site acquisition, utilities, on/off-site and general site development, and other excessive costs. Grant levels are periodically reviewed by the State.

Table 7 summarizes the District’s estimated new construction eligibility based on the latest pupil grant amounts approved by the State. The estimated grant amounts have increased since the December 2015 update based on the 2016 per pupil grant amounts. Currently, the District is eligible for approximately \$71 million in new construction grants, including \$60.5 million for grades K-6 and \$10.5 million for 7-8 grade levels. These amounts continue to be subject to a local match requirement by the District equal to the amount of the total State grant. If enrollment continues to grow, the amount of State eligibility for new construction is expected to increase. The estimated eligibility is available district wide, but subject to the availability of funding from the SFP.

TABLE 7: ESTIMATED NEW CONSTRUCTION ELIGIBILITY – 50/50 PROGRAM (2016)

| Grade Level | Eligible Pupils | Grant Value (2016) | *Est. Grant Amount (50%) | Est. Local Match (50%) |
|--------------|-----------------|--------------------|--------------------------|------------------------|
| K-6 | 5,691 | \$10,634 | \$60,518,094 | \$60,518,094 |
| 7-8 | 932 | \$11,247 | \$10,482,204 | \$10,482,204 |
| Total | 6,623 | | \$71,000,298 | \$71,000,298 |

** Does not include State reimbursements for land acquisition.*

5.1.3 NEW CONSTRUCTION GRANT APPLICATIONS

As reported in December 2015, three New Construction applications have been filed with the OPSC. Table 8 below has been updated to reflect the current 2016 per pupil grant amounts, therefore indicating approximately \$16.6 million in submitted applications, including those for the Seabridge land purchase, the new Harrington School construction, and the Driffill kindergarten building. This amount represents the estimated base grant and excludes any additional anticipated allowances for site development and SDC pupils, which may increase the potential overall grant amount upon apportionment. Taking into consideration the applications that have been filed, the District’s total remaining eligibility is estimated to be \$60.9 million of remaining pupil grants. The State does not deduct pupil grants from the total eligibility for land acquisition, therefore pupil grants are not reported for the Seabridge land purchase and the grant amount is not deducted from the eligibility.

The District has secured its place in line for these applications as part of the State’s “Acknowledge List”. Per the current regulations, this list represents applications received after November 1, 2012 that exceed the bonding authority remaining for the State. The OPSC reviews these applications to confirm that all necessary documents are provided and then submits the applications to the State Allocation Board (SAB) for acknowledgment, but not approval. Once bonding authority is replenished, applications are then placed on the SAB for approval and apportionment based on their date of acknowledgement.

TABLE 8: SUBMITTED NEW CONSTRUCTION GRANT APPLICATIONS (2016)

| | Pupil Grants | | | Est. Grant |
|---|--------------|------------|--------------|---------------------|
| | K-6 | 7-8 | Total | Amount |
| Current Eligibility | 5,691 | 932 | 6,623 | \$71,000,298 |
| <i>Less applications filed for:</i> | | | | |
| Harrington School | 807 | 0 | 807 | \$8,581,638 |
| Driffill Kindergarten | 0 | 132 | 132 | \$1,484,604 |
| | | | Subtotal | \$60,934,056 |
| <i>Plus Seabridge Land Purchase¹</i> | | | | \$6,517,350 |
| Total | 807 | 132 | 939 | \$67,451,406 |
| Total grant amount remaining | 4,884 | 800 | 5,684 | \$60,934,056 |

1. No pupil grants required

Additional new construction grant applications are proposed to be filed for reimbursement for Phase 1 projects. Based on current 2016 per pupil grant amounts, Table 9 provides a summary of anticipated future new construction applications to be submitted to the State totaling approximately \$25.9 million for remaining Phase I improvements that have been approved by the Board. A supplemental “use of grants” approach is planned to be utilized at Elm and Lemonwood, allowing a higher pupil loading standard to be applied against eligible pupil grants. While a higher pupil loading standard is used to qualify, the District will not be required to operate these facilities at a different rate than it would otherwise use. Utilizing this method is projected to garner approximately \$4.8 million in additional grant funding for Elm and Lemonwood. The filing of these project applications is pending receipt of final State approval of the listed projects which are in varying stages of review and approval by DSA, DTSC, and CDE.

Assuming all applications are filed as identified in Table 9, approximately \$35 million is estimated to remain for future new construction applications for phases 2 and 3. To obtain State funding for all applications, a local match would be required for all future projects, plus any additional amounts necessary to complete the total required school construction costs.

TABLE 9: ANTICIPATED NEW CONSTRUCTION APPLICATIONS

| | Remaining New Construction Grants | | | Grant Amount |
|--|-----------------------------------|-----|-------|--------------|
| | K-6 | 7-8 | Total | |
| Remaining pupil eligibility | 4,884 | 800 | 5,684 | \$60,934,056 |
| <i>Less grants for Measure "R" projects to be used at:</i> | | | | |
| Harrington Child Dev Ctr | 38 | 0 | 38 | \$404,092 |
| Elm | 600 | 0 | 600 | \$6,380,400 |
| Elm ("Use of Grants") | 192 | 0 | 192 | \$2,041,728 |
| Lemonwood | 656 | 279 | 935 | \$10,113,817 |
| Lemonwood ("Use of Grants") | 184 | 72 | 256 | \$2,766,440 |
| Lemonwood Child Dev Ctr | 57 | 0 | 57 | \$607,079 |
| Marshall | 108 | 216 | 324 | \$3,577,824 |
| Total grants used | 1,835 | 567 | 2,402 | \$25,891,380 |
| Total grants remaining | 3,049 | 233 | 3,282 | \$35,042,676 |

5.2 DEVELOPER FEES

In April 2016, the Board adopted a School Facilities Needs Analysis recommending a Level 2 developer fee of \$3.64 per square foot of new residential development by the District. The study projects approximately 1,410 residential units being constructed over the next five years. Over the remaining duration of the Program, approximately \$16.5 million in additional developer fee revenues is projected to be collected and made available to Measure "R" or similar improvements.

5.3 PROJECT EXPENDITURE TO DATE

A budget and expenditure tracking protocol has been established and utilized for Phase 1 projects under current implementation. As of the December 2015 Semi-Annual Report, the total Phase 1 budget was approximately \$122.9 million, inclusive of the program reserve. Any changes to sources, uses, and schedules included in this report have taken into account actual District expenditures for the respective projects and are tracked against established project budgets. As needed, the program reserves and estimated ending fund balance will be utilized to accommodate unforeseen, but required budget adjustments.

Table 10 provides a summary report of expenditures made for the Program during the period July 1, 2012 – May 31, 2016. Expenditures made after this period will be accounted for in the next Semi-Annual update. The District's financial system accounts for expenditures by Fiscal Year (July 1 – June 30). The report is organized by Fiscal Year and includes expenditures across various construction funds. It should be noted that expenditures reporting is based on the budget approved as part of the December 2015 Semi-Annual Report. Once the recommended budget adjustments are approved as part of this June 2016 report, subsequent expenditure reports will reflect the revised budget value.

TABLE 10: ESTIMATED PHASE I EXPENDITURES TO DATE

| Project | Adopted Budget | Fiscal Year Expenditures | | | | Total |
|---|----------------------|--------------------------|---------------------|---------------------|----------------------|---------------------|
| | | 2012-13 | 2013-14 | 2014-15 | 2015-16 ¹ | |
| Acquire Site New Elem K-5 | \$7,635,282 | \$7,637,542 | \$34,158 | \$0 | \$35,786 | \$7,707,486 |
| Acquire Site New K-5/MS | \$660,000 | \$0 | \$14,625 | \$37,345 | \$394,553 | \$446,523 |
| Design & Reconstruct Harrington Elem K-5 | \$23,127,171 | \$139,899 | \$1,442,359 | \$12,200,915 | \$9,066,061 | \$22,849,234 |
| Design & Reconstruct Lemonwood Elem K-8 | \$31,402,250 | \$157,961 | \$851,793 | \$1,484,526 | \$625,855 | \$3,120,135 |
| Design & Reconstruct Elm Elem K-5 | \$21,076,943 | \$0 | \$345,491 | \$1,190,469 | \$298,486 | \$1,834,446 |
| Design & Improve K-5 Kindergarten Facilities | | | | | | |
| Ritchen | \$456,837 | \$13,654 | \$67,247 | \$341,085 | \$16,563 | \$438,549 |
| Brekke | \$275,039 | \$12,129 | \$57,297 | \$199,600 | \$6,013 | \$275,039 |
| McAuliffe | \$336,509 | \$12,022 | \$87,050 | \$214,676 | \$8,898 | \$322,646 |
| Driffill | \$2,477,832 | \$51,334 | \$56,711 | \$242,911 | \$0 | \$350,956 |
| Total K-5 Kindergarten Facilities | \$3,546,217 | \$89,139 | \$268,304 | \$998,272 | \$31,474 | \$1,387,189 |
| Design & Construct Science Labs/Academies | | | | | | |
| Chavez | \$645,988 | \$17,030 | \$166,275 | \$443,411 | \$19,273 | \$645,988 |
| Curren | \$595,797 | \$16,436 | \$116,426 | \$445,450 | \$17,485 | \$595,797 |
| Kamala | \$615,619 | \$16,401 | \$152,274 | \$428,645 | \$18,299 | \$615,619 |
| Haydock | \$1,066,467 | \$63,118 | \$297,214 | \$664,478 | \$23,810 | \$1,048,620 |
| Fremont | \$1,822,619 | \$73,299 | \$487,250 | \$1,229,845 | \$17,060 | \$1,807,453 |
| Total Science Labs/Academies | \$4,746,489 | \$186,284 | \$1,219,438 | \$3,211,828 | \$95,927 | \$4,713,476 |
| Project 1 Remaining Adjustment | \$241,649 | | | | | |
| Pre-Kindergarten Improvements | | | | | | |
| Harrington | \$1,083,351 | \$0 | \$0 | \$18,608 | \$95,403 | \$114,011 |
| Lemonwood | \$860,386 | \$0 | \$0 | \$9,501 | \$14,276 | \$23,778 |
| Total Pre-Kindergarten Improvements | \$1,943,737 | \$0 | \$0 | \$28,109 | \$109,679 | \$137,788 |
| Ritchen New Special Day Classroom | \$175,000 | \$0 | \$0 | \$15,938 | \$101,339 | \$117,278 |
| Marshall K-8 12 Classroom Addition | \$8,097,558 | \$0 | \$0 | \$95,243 | \$535,245 | \$630,488 |
| FF&E Allowance | \$5,373 | \$0 | \$4,482 | \$891 | \$0 | \$5,373 |
| Planning related to MPRs for P/P K-8 Schools | \$175,000 | \$0 | \$0 | \$0 | \$185,462 | \$185,462 |
| Technology | \$11,201,175 | \$1,330,841 | \$7,462,478 | \$2,128,158 | \$261,721 | \$11,183,198 |
| Program Planning | \$150,474 | \$150,000 | \$474 | \$0 | \$0 | \$150,474 |
| Program Reserve | \$8,753,289 | | | | | |
| TOTAL | \$122,937,607 | \$9,691,666 | \$11,643,603 | \$21,391,694 | \$11,741,587 | \$54,468,550 |

Notes:

1. Fiscal Year 2015-16 expenditures are as of May 31, 2016
2. Budgets have been adjusted per the December 2015 Semi-Annual Implementation Program Update approved by Board
3. Figures presented above are unaudited

As of May 31, 2016, approximately \$54.5 million has been expended for the Program. The District has also expended approximately \$27.9 million in expenditures outside of the program for other facilities related needs, for a total of \$82.4 million in total construction fund expenditures for the duration of the Program to date. Detailed expenditure reports, broken down into subcategories of spending have been prepared and submitted to District staff, and are available for review by the Board and Citizens Oversight Committee.

SECTION 6:

RECOMMENDATIONS

6.1 CONCLUSION & RECOMMENDATIONS

Over the next six months of implementation, the Master budget will continue to be monitored and enforced. Expenditure reporting will continue and be updated to reflect recommended budget adjustments provided in this July 2016 report. Budgets will also be reviewed and adjusted, where required, to accommodate actual contract commitments approved by the Board over the next six-month period. Steps will continue to be taken to file for eligible State aid applications and required agency approvals for project development and construction. Status reports will be provided to the Board as needed.

As part of the formal review process, it is recommended that the Board:

- Accept and adopt the July 2016 Semi-Annual Implementation Program Update as an adjustment to the Program.
- Establish a date at its regularly scheduled December 2016 meeting to consider the next six-month update.

EXHIBIT A

PRESENTATIONS, WORKSHOPS & UPDATES TO THE BOARD OF TRUSTEES

The table below contains a listing of presentations, workshops, and updates to the Board of Trustees for the Oxnard School District Facilities Implementation Program. Documentation of all Board activities is provided for the prior six months and additionally includes Program related items from November and December 2015 as these were not finalized at time of publishing the prior report. For documentation of prior related Board Action items, please reference the same section of previous reports.

| Date | Board Agenda Item | Agenda Description | Purpose | Action |
|-----------|-------------------|---|---|----------|
| 22-Jun-16 | D-7 | Ratification of Supplemental Work Authorization Letter #2-S ("WAL #2-S") for Agreement #13-123 for Koury Engineering & Testing, Inc | Request that the Board of Trustees ratify Supplemental Work Authorization Letter #2-S to Agreement #13-123 with Koury Engineering & Testing, Inc., for additional Geotechnical Testing, Observation and Inspection services completed for the Harrington Reconstruction Project | Approved |
| 22-Jun-16 | D-6 | Ratification of Supplemental WAL #001 to WAL #005 with ATC Group Services LLC for the Lemonwood School Reconstruction Project | Request that the Board of Trustees ratify Supplemental WAL #001 to WAL #005 with ATC Group Services LLC, for the preparation of an addendum to the Preliminary Environmental Assessment (PEA) for the Lemonwood School Reconstruction Project | Approved |
| 1-Jun-16 | D-3 | Ratification of Modification To GMP/Change Order #5 To The Construction Services Agreement #14-21 with Bernards for the Harrington Elementary School Reconstruction Project | Request that the Board of Trustees ratify the Modification to the GMP via Change Order #5 to the Construction Services Agreement with Bernards for the Harrington Elementary School Reconstruction Project. | Approved |
| 18-May-16 | C-2 | Approval of Amendment #1 to Agreement #14-88 with Mobile Modular Corporation for a twelve (12) month extension to lease one (1) 24' x 60' portable classroom building at Harrington Elementary School Interim Preschool Facility. | Extend the lease agreement with Mobile Modular LeasingCorp. For a period of One (1) Year for one 24'x60' Modular Building in use at the Harrington Interim Pre-School Facility | Approved |
| 18-May-16 | C-5 | Ratification of WAL #005 with ATC Group Services LLC for Preparation of An Addendum to the Preliminary Environmental Assessment for the Lemonwood School Reconstruction Project | Request that the Board of Trustees ratify WAL #005 with ATC Group Services LLC for the preparation of an addendum to the Preliminary Environmental Assessment (PEA) for the Lemonwood School Reconstruction Project | Approved |
| 4-May-16 | D-2 | Consideration and Approval of Amendment #001 to Agreement #13-121 for SVA Architects to Provide Additional Architectural Services for the Elm Reconstruction Project for Additional Architectural and Engineering Services to Provide Revised Plans for the Kitchen | Request that the Board of Trustees approve Amendment #001 to Agreement #13-121 with SVA Architects to complete additional services for the Elm Reconstruction Project for additional architectural and engineering services to provide revised plans for the kitchen redesign. | Approved |
| 20-Apr-16 | C-5 | Setting of Date for Public Hearing for the Mitigated Negative Declaration as Prepared for the Marshall Elementary School New Classroom Building Project | Request that the Board of Trustees set the date of May 18, 2016, for a public hearing during their regular meeting to receive public comment on the Mitigated Negative Declaration prepared for the Marshall Elementary School New Classroom Building Project. | Approved |
| 20-Apr-16 | C-7 | Authorize Superintendent to Make Certain Non-Substantive Changes to the Construction Service Agreement and Sublease Agreement between Swinerton Builders, Inc., and the Oxnard School District for the Construction of the Lemonwood K-8 School | A recommendation to the Board of Trustees to authorize the Superintendent to make certain changes to the construction documents including modifying the sublease payment schedule and certain non-substantive changes to the construction documents. | Approved |
| 20-Apr-16 | D-2 | Approval of WAL #004 for Preparation of a Preliminary Environmental Assessment with ATC Group Services LLC for the Doris/Patterson Site | Request for the Board of Trustees to approve WAL #004, for the Preparation of a Preliminary Environmental Assessment (PEA) for the Doris/Patterson Site per Master Agreement #13-135 with ATC Group Services LLC | Approved |
| 20-Apr-16 | D-4 | Consideration and Approval of Form of Agreement for Purchase and Sale of Real Property and Joint Escrow Instructions and Delegation of Authority to Superintendent to Execute the Agreement | Request that the Board of Trustees approve the Agreement for the Purchase and Sale of Real Property and Joint Escrow Instructions and authorize the Superintendent to execute the Agreement consistent with the authority delegated to him by the Board of Trustees. | Approved |

| Date | Board Agenda Item | Agenda Description | Purpose | Action |
|-----------|-------------------|--|---|----------|
| 16-Mar-16 | A-7 | Study Session – Presentation of Voter Opinion Survey Results By Caldwell Flores Winters, Inc | The Board of Trustees received a presentation on the results of the scientific, random sample opinion survey undertaken to identify voter support for planned district improvements. The survey was conducted by Luce Research, LLC. | Pending |
| 16-Mar-16 | C-5 | Setting of Date for Public Hearing to Present the Results of a Preliminary Environmental Assessment for the Lemonwood Elementary School Reconstruction Project | Request that the Board of Trustees approve setting the date of April 20, 2016 for a Public Hearing to present the Preliminary Environmental Assessment results for the Lemonwood Elementary School Reconstruction Project. | Approved |
| 16-Mar-16 | D-1 | Approval and Adoption of Resolution #15-29 of the Board of Trustees of the Oxnard School District Authorizing the Purchase of Certain Real Property Located at the Corner of Doris Avenue and Patterson Road and Directing Actions That Are Necessary Prerequisites to Achieve CEQA Compliance, LAFCO Approval, and OPSC Reimbursement | Requesting that the Board of Trustees approve and adopt Resolution #15-29 and proceed with the acquisition of the property in question, proceed with annexation of the property into the City of Oxnard’s territorial jurisdiction and secure the necessary agency approvals for the site | Approved |
| 16-Mar-16 | D-2 | Approval of Master Construct Program by Caldwell Flores Winters, Inc | Request for the Board of Trustees approve and adopt the Master Construct Program report as presented. | Approved |
| 2-Mar-16 | C-6 | Ratification of Work Authorization Letter #004 for Surveying Services at the Proposed New Middle School Academy Site at Doris and Patterson Pursuant to Master Agreement #13-126 with MNS Engineers, Inc | Board of Trustees ratify WAL #004 for surveying services at the Proposed New Middle School Academy per Master Agreement #13-126 with MNS Engineers, Inc. | Approved |
| 2-Mar-16 | D-1 | Approval of Agreement #15-196 – Caldwell Flores Winters, Inc. | Board of Trustees approve Agreement #15-196 with Caldwell Flores Winters, Inc., to undertake a scientific, random sample opinion survey to identify voter support for planned district improvements | Approved |
| 2-Mar-16 | D-2 | Consideration and Approval of Amendment #002 to Agreement #12-231 for SVA Architects –Lemonwood School Reconstruction | Board of Trustees approve Amendment #002 to Agreement #12-231 with SVA Architects to complete additional services for the Lemonwood School Reconstruction Project for additional architectural and engineering services to provide revised plans for the Kitchen re-design | Approved |
| 2-Mar-16 | D-5 | Consideration and Approval of Agreements #15-198, #15-199, #15-200 Between the Oxnard School District and Swinerton Builders To Provide Lease-Leaseback Construction Services for the Lemonwood E.S. Reconstruction Project | Board of Trustees approve the LeaseLeaseback Agreements #15-198, #15-199, and #15-200, with Swinerton Builders to provide Construction Services related to the Reconstruction of Lemonwood K-8 School, under the Measure “R” Program utilizing the Lease-Leaseback method of delivery, pursuant to Section 17406 | Approved |
| 17-Feb-16 | D-3 | Ratification of Change Order #004, Harrington Elementary School Reconstruction Project | Request for the Board of Trustees to ratify Change Order #004, to Agreement #14-21, Harrington Elementary School Reconstruction Project with Bernards | Approved |
| 17-Feb-16 | D-5 | Request For Approval of Resolution #15-25 Authorizing The Execution, Delivery and Sale of Certificates of Participation In The Maximum Aggregate Principal Amount of \$8,000,000.00 To Acquire and Improve Real Property and Approving Related Documents and Actions | Board of Trustees consider approval of Resolution #15-25 of the Board of Trustees of the Oxnard School District Authorizing the Execution, Delivery and Sale of Certificates of Participation in the Maximum Aggregate Principal Amount of \$8,000,000.00 to acquire and improve real property and approving related documents and actions. | Approved |
| 17-Feb-16 | E-1 | Update Master Construct Program | The Board of Trustees received a presentation on the Master Construct Program from Caldwell Flores Winters, Inc. | Pending |
| 3-Feb-16 | D-4 | Consideration and Approval of Resolution #15-23 of the Board of Trustees of the Oxnard School District Approving the Final Architectural Drawings for the Marshall New Classroom Building Project of the Facilities Implementation Program and Authorizing the District to Submit the Drawings To The Division of the State Architect | Request Approval from the Board of Trustees for the Architectural Drawings for the Marshall New Classroom Building Project and further direct that the plans be submitted to the Division of the State Architect and the California Department of Education for approval. | Approved |

| Date | Board Agenda Item | Agenda Description | Purpose | Action |
|-----------|-------------------|---|--|----------|
| 20-Jan-16 | D-3 | Consider Approval And Adoption Of The December 2015 Semi-Annual Implementation Program Update As An Adjustment To The Facilities Implementation Program | It is the recommendation of the District Superintendent and the Assistant Superintendent, Business & Fiscal Services, that the Board accepts and adopts the December 2015 Semi-Annual Implementation Program Update. | Approved |
| 20-Jan-16 | E-1 | Report on Potential 2016 Certificates of Participation (COP) | The Board of Trustees received a presentation regarding the feasibility of exploring Certificates of Participation (COPs) as an option for acquisition of the Doris & Patterson potential middle school site. | Pending |
| 16-Dec-15 | 5 | Board Master Construct Facilities Planning Session | The Board, Administration and representatives of Caldwell Flores Winters, Inc. participated in a workshop designed to review the facilities projects in the Oxnard Master Construct Program | Pending |
| 9-Dec-15 | A-6 | Study Session -Semi-Annual Facilities Implementation Update | Power-Point presentation to the Board of Trustees, updating progress of the Facilities Implementation Program | Pending |
| 9-Dec-15 | C-10 | Approval of the Mitigation and Monitoring Program for the Lemonwood Elementary School Reconstruction Project | Approval requested for the Project to be in compliance with the California Environmental Quality Act ("CEQA") | Approved |
| 9-Dec-15 | C-11 | Consideration and Approval of Form of Memorandum of Understanding #15-162 For The Joint Use of Lemonwood Park By And Between The City Of Oxnard and The Oxnard School District and Delegation of Authority To Superintendent To Execute The Memorandum of Understanding | The Joint use agreement is to provide temporary access to Lemonwood Park for Lemonwood Students to continue regular outdoor activities, interrupted from the Lemonwood Elementary School Reconstruction Project | Approved |
| 9-Dec-15 | D-4 | Consideration and Approval of Change Order No. 2 To Construction Services Agreement #14-21 With Bernards For The Harrington Elementary School Reconstruction Project | Approval of additional Work required by The City of Oxnard as a part of the Harrington Elementary School Reconstruction Project | Approved |
| 9-Dec-15 | D-5 | Approval of Change Order #3 To Agreement #14-21 – Bernards –Harrington Reconstruction Project | Approval for the additional cost for an upgrade to the flooring adhesive for the Harrington E.S. Reconstruction Project | Approved |
| 9-Dec-15 | D-6 | Consideration and Approval of Amendment #002 to Agreement #12-240 With Dougherty + Dougherty Architects To Provide Additional Architectural Services For The Harrington Early Childhood Development Center | Approve additional Architectural Services for the Harrington Early Childhood Development Center Project. | Approved |
| 9-Dec-15 | D-7 | Consider Approval Of Work Authorization Letter (WAL) #005 For Tetra Tech To Perform Professional Services Including Preparation Of An Environmental Impact Report For The Doris and Patterson New Academy Site | Approve the preparation of an Environmental Impact Report ("EIR") as a part of the Doris-Patterson site acquisition. | Approved |
| 18-Nov-15 | 5 | Board Master Construct Facilities Planning Session | The Board, Administration and representatives of Caldwell Flores Winters, Inc. participated in a workshop designed to review the facilities projects in the Oxnard Master Construct Program | Pending |



OXNARD SCHOOL DISTRICT

1051 South "A" Street • Oxnard, California 93030 • 805/385-1501

www.oxnardsd.org



Juan Lagunas Soria School

3101 Dunkirk Drive, Oxnard, CA 93035

(805) 385-1584 Fax: (805) 815-4216



To: Dr. Morales, Superintendent

From: Pam Cwiklo
Assistant Principal, Soria School

Date: June 27, 2016

Re: Donation

The Friends of the Camarillo Library donated thirty boxes of K-8 level books to Soria which we distributed to our students during the last week of the 2015-2016 school year. Through this generous donation we were able to give the majority of our students' books that they would be able to read over the summer break. I respectfully request that the Board of Trustees be notified of this donation.

Thank you,

Pam Cwiklo

BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____

CLOSED SESSION _____

SECTION B: HEARINGS _____

SECTION C: CONSENT X

SECTION D: ACTION _____

SECTION E: REPORTS/DISCUSSION _____

SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Approval of Amendment #1 to Agreement #16-29 - Action Preparedness Training (Freeman/Ridge)

At the Board meeting of June 22, 2016, the Board of Trustees approved Agreement #16-29 with Action Preparedness Training to provide CPR and First Aid training to teachers and support staff as needed for the 2016-2017 school year, in the amount not to exceed \$6,500.00.

Due to the addition of school site Office Managers, Secretaries, Attendance Techs, and Office Assistants requiring CPR and First Aid training it is necessary to increase the previously approved amount of Agreement #16-29 by \$5,000.00, for a total cost of \$11,500 for 2016-2017.

FISCAL IMPACT:

\$5,000.00 – General Fund

RECOMMENDATION:

It is the recommendation of the Director, Pupil Services, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Amendment #1 to Agreement #16-29 with Action Preparedness Training.

ADDITIONAL MATERIAL(S):

Attached: Amendment #1 (1 Page)
 Agreement #16-29, Action Preparedness Training (16 Pages)

**AMENDMENT #1 TO AGREEMENT #16-29
Action Preparedness Training
August 3, 2016**

At the Board meeting of June 22, 2016, the Board of Trustees approved Agreement #16-29 with Action Preparedness Training to provide CPR and First Aid training to teachers and support staff as needed for the 2016-2017 school year, in the amount not to exceed \$6,500.00.

Due to the addition of school site Office Managers, Secretaries, Attendance Techs, and Office Assistants requiring CPR and First Aid training it is necessary to increase the previously approved amount of Agreement #16-29 by \$5,000.00, for a total cost of \$11,500 for 2016-2017.

ACTION PREPAREDNESS TRAINING:

By: _____
Glenda C. Mahon _____
Date

OXNARD SCHOOL DISTRICT:

By: _____
Lisa A. Franz, Director, Purchasing _____
Date

OXNARD SCHOOL DISTRICT

Agreement #16-29

AGREEMENT FOR CONSULTANT SERVICES

This Agreement for Consultant Services ("Agreement") is entered into as of this 22nd day of June, 2016 by and between the Oxnard School District ("District") and Action Preparedness Training ("Consultant"). District and Consultant are sometimes hereinafter individually referred to as "Party" and hereinafter collectively referred to as the "Parties."

RECITALS

- A. District is authorized by *California Government Code* Section 53060, and Board Policy 4368, to contract with independent contractors for the furnishing of services concerning financial, economic, accounting, engineering, legal, administrative and other matters. District has sought, by issuance of a Request for Proposals or Invitation for Bids, the performance of the Services, as defined and described particularly on Exhibit A, attached to this Agreement.
- B. Following submission of a proposal or bid for the performance of the Services, Consultant was selected by the District to perform the Services.
- C. The Parties desire to formalize the selection of Consultant for performance of the Services and desire that the terms of that performance be as particularly defined and described herein.

OPERATIVE PROVISIONS

NOW, THEREFORE, in consideration of the mutual promises and covenants made by the Parties and contained here and other consideration, the value and adequacy of which are hereby acknowledged, the parties agree as follows:

1. **Incorporation of Recitals and Exhibits.** The Recitals set forth above and all exhibits attached to this Agreement, as hereafter amended, are incorporated by this reference as if fully set forth herein.
2. **Term of Agreement.** Subject to earlier termination as provided below, this Agreement shall remain in effect from **August 15, 2016** through **June 30, 2017** (the "Term"). This Agreement may be extended only by amendment, signed by the Parties, prior to the expiration of the Term.
3. **Time for Performance.** The scope of services set forth in Exhibit A shall be completed during the Term pursuant to the schedule specified Exhibit A. Should the scope of services not be completed pursuant to that schedule, the Consultant shall be deemed to be in Default as provided below. The District, in its sole discretion, may choose not to enforce the Default provisions of this Agreement and may instead allow Consultant to continue performing the Services.
4. **Compensation and Method of Payment.** Subject to any limitations set forth below or elsewhere in this Agreement, District agrees to pay Consultant the amounts specified in Exhibit B "Compensation". The total compensation, including reimbursement for actual expenses, shall not exceed Six Thousand Five Hundred Dollars (\$6,500.00), unless additional compensation is approved in writing by the District.

- a. Each month Consultant shall furnish to District an original invoice for all work performed and expenses incurred during the preceding month. The invoice shall detail charges by the following categories: labor (by sub-category), travel, materials, equipment, supplies, and sub-consultant contracts. Sub-consultant charges, if any, shall be detailed by the following categories: labor, travel, materials, equipment and supplies. District shall independently review each invoice submitted by the Consultant to determine whether the work performed and expenses incurred are in compliance with the provisions of this Agreement. In the event that no charges or expenses are disputed, the invoice shall be approved and paid according to the terms set forth in subsection b. In the event any charges or expenses are disputed by District, the original invoice shall be returned by District to Consultant for correction and resubmission.
- b. Except as to any charges for work performed or expenses incurred by Consultant which are disputed by District, District will use its best efforts to cause Consultant to be paid within forty-five (45) days of receipt of Consultant's correct and undisputed invoice.
- c. Payment to Consultant for work performed pursuant to this Agreement shall not be deemed to waive any defects in work performed by Consultant.

5. **Termination.** This Agreement may be terminated at any time by mutual agreement of the Parties or by either Party as follows:

- a. District may terminate this Agreement, with or without cause, at any time by giving thirty (30) days written notice of termination to Consultant. In the event such notice is given, Consultant shall cease immediately all work in progress; or
- b. Consultant may terminate this Agreement for cause at any time upon thirty (30) days written notice of termination to District.

6. **Inspection and Final Acceptance.** District may, at its discretion, inspect and accept or reject any of Consultant's work under this Agreement, either during performance or when within sixty (60) days after submitted to District. If District does not reject work by a timely written explanation, Consultant's work shall be deemed to have been accepted. District's acceptance shall be conclusive as to such work except with respect to latent defects, fraud and such gross mistakes as amount to fraud. Acceptance of any of Consultant's work by District shall not constitute a waiver of any of the provisions of this Agreement including, but not limited to indemnification and insurance provisions.

7. **Default.** Failure of Consultant to perform any Services or comply with any provisions of this Agreement may constitute a default. The District may give notice to Consultant of the default and the reasons for the default. District shall not have any obligation or duty to continue compensating Consultant for any work performed after the date of the notice until the default is cured. The notice shall include the timeframe in which Consultant may cure the default. This timeframe is presumptively thirty (30) days, but may be extended, though not reduced, at the discretion of the District. During the period of time that Consultant is in default, the District shall hold all invoices and shall, when the default is cured, proceed with payment on the invoices. In the alternative, the District may, in its sole discretion, elect to pay some or all of the outstanding invoices during the period of default. If Consultant does not cure the default, the District may terminate this Agreement as provided above. Any failure on the part of the District to give notice of the Consultant's default shall not be deemed to result in a waiver of the District's legal rights or any rights arising out of any provision of this Agreement.

8. **Ownership of Documents.** All maps, models, designs, drawings, photographs, studies, surveys, reports, data, notes, computer files, files and other documents prepared, developed or discovered by Consultant in the course of providing any services pursuant to this Agreement (collectively and individually, the "Documents") shall

become the sole property of District and may be used, reused or otherwise disposed of by District without the permission of the Consultant. Upon completion, expiration or termination of this Agreement, Consultant shall turn over to District all such Documents.

9. **Use of Documents by District.** If and to the extent that District utilizes for any purpose not related to this Agreement any Documents, Consultant's guarantees and warrants related to Standard of Performance under this Agreement shall not extend to such use of the Documents.

10. **Consultant's Books and Records.** Consultant shall maintain any and all documents and records demonstrating or relating to Consultant's performance of services pursuant to this Agreement for a minimum of three years after termination or expiration of this Agreement, or longer if required by law.

- a. Consultant shall maintain any and all ledgers, books of account, invoices, vouchers, canceled checks, or other documents or records evidencing or relating to work, services, expenditures and disbursements charged to District pursuant to this Agreement for a minimum of three years, or longer if required by law, all in accordance with generally accepted accounting principles and with sufficient detail so as to permit an accurate evaluation of the services provided by Consultant pursuant to this Agreement.
- b. Any and all such records or documents shall be made available for inspection, audit and copying, at any time during regular business hours, upon request by District or its designated representative. Copies of such documents or records shall be provided directly to the District for inspection, audit and copying when it is practical to do so; otherwise, unless an alternative is mutually agreed upon, such documents and records shall be made available at Consultant's address indicated for receipt of notices in this Agreement.
- c. District has the right to acquire custody of such records by written request if Consultant decides to dissolve or terminate its business. Consultant shall deliver or cause to be delivered all such records and documents to District within sixty (60) days of receipt of the request.

11. **Independent Contractor.** Consultant is and shall at all times remain a wholly independent contractor and not an officer, employee or agent of District.

- a. The personnel performing the services under this Agreement on behalf of Consultant shall at all times be under Consultant's exclusive direction and control. Consultant, its agents or employees shall not at any time or in any manner represent that Consultant or any of Consultant's officers, employees, or agents are in any manner officials, officers, employees or agents of District. Neither Consultant, nor any of Consultant's officers, employees or agents, shall, by virtue of services rendered under this Agreement, obtain any rights to retirement, health care or any other benefits which may otherwise accrue to District's employees. Consultant will be responsible for payment of all Consultant's employees' wages, payroll taxes, employee benefits and any amounts due for federal and state income taxes and Social Security taxes since these taxes will not be withheld from payment under this agreement.
- b. Consultant shall have no authority to bind District in any manner, or to incur any obligation, debt or liability of any kind on behalf of or against District, whether by contract or otherwise, unless such authority is expressly conferred in writing by District, or under this Agreement.

12. **Standard of Performance.** Consultant represents and warrants that it has the qualifications, experience and facilities necessary to properly perform the services required under this Agreement in a thorough, competent and professional manner. Consultant shall at all times faithfully, competently and to the best of its ability, experience and talent, perform all services described herein. In meeting its obligations under this Agreement,


Consultant shall employ, at a minimum, generally accepted standards and practices utilized by persons engaged in providing services similar to those required of Consultant under this Agreement.

13. **Confidential Information.** All information gained during performance of the Services and all Documents or other work product produced by Consultant in performance of this Agreement shall be considered confidential. Consultant shall not release or disclose any such information, Documents or work product to persons or entities other than District without prior written authorization from the Superintendent of the District, except as may be required by law.


- a. Consultant shall promptly notify District if it is served with any summons, complaint, subpoena or other discovery request, court order or other request from any party regarding this Agreement or the work performed hereunder.
- b. District retains the right, but has no obligation, to represent Consultant or be present at any deposition, hearing or similar proceeding. Consultant agrees to cooperate fully with District and to provide District with the opportunity to review any response to discovery requests provided by Consultant; provided that this does not imply or mean the right by District to control, direct, or rewrite said response.

14. **Conflict of Interest; Disclosure of Interest.** Consultant covenants that neither it, nor any officer or principal of its firm, has or shall acquire any interest, directly or indirectly, which would conflict in any manner with the interests of District or which would in any way hinder Consultant's performance of services under this Agreement. Consultant further covenants that in the performance of this Agreement, no person having any such interest shall be employed by it as an officer, employee, agent or subcontractor without the express written consent of the District.

- a. Consultant agrees to at all times avoid conflicts of interest or the appearance of any conflicts of interest with the interests of District in the performance of this Agreement.
- b. Bylaws of the Board 9270 BB and 9270(BB) E, as hereinafter amended or renumbered, require that a Consultant that qualifies as a "designated employee" must disclose certain financial interests by filing financial interest disclosures. By its initials below, Consultant represents that it has received and reviewed a copy of the Bylaws of the Board 9270 BB and 9270(BB) E and that it does does not qualify as a "designated employee".


 (Initials)

- c. Consultant agrees to notify the Superintendent, in writing, if Consultant believes that it is a "designate employee" and should be filing financial interest disclosures, but has not been required to do so by the District.

 (Initials)

15. **Compliance with Applicable Laws.** In connection with the Services and its operations, Consultant shall keep itself informed of and comply with all applicable federal, state and local laws, statutes, codes, ordinances, regulations and rules including, but not limited to, minimum wages and/or prohibitions against discrimination, in effect during the Term. Consultant shall obtain any and all licenses, permits and authorizations necessary to perform the Services. Neither District, nor any elected or appointed boards, officers, officials, employees or agents of District shall be liable, at law or in equity, as a result of any failure of Consultant to comply with this section.

- a. Without limiting the generality of the foregoing, Consultant shall comply with any applicable fingerprinting requirements as set forth in the Education Code of the State of California.

 (Initials)

16. **Unauthorized Aliens.** Consultant hereby promises and agrees to comply with all of the provisions of the Federal Immigration and Nationality Act, 8 U.S.C.A. §§ 1101, et seq., as amended, and in connection therewith, shall not employ “unauthorized aliens” as that term is defined in 8 U.S.C.A. §1324a(h)(3). Should Consultant so employ such individuals for the performance of work and/or services covered by this Agreement, and should any liability or sanctions be imposed against District for such employment, Consultant hereby agrees to and shall reimburse District for the cost of all such liabilities or sanctions imposed, together with any and all costs, including attorneys' fees, incurred by District.

17. **Non-Discrimination.** Consultant shall abide by the applicable provisions of the United States Civil Rights Act of 1964 and other provisions of law prohibiting discrimination and shall not discriminate, in any way, against any person on the basis of race, color, religious creed, national origin, ancestry, sex, age, physical handicap, medical condition or marital status in connection with or related to the performance of this Agreement.

18. **Assignment.** The expertise and experience of Consultant are material considerations for this Agreement. District has an interest in the qualifications of and capability of the persons and entities that will fulfill the duties and obligations imposed upon Consultant under this Agreement. In recognition of that interest, Consultant shall not assign or transfer this Agreement or any portion of this Agreement or the performance of any of Consultant’s duties or obligations under this Agreement without the prior written consent of the Board of Directors of the District. Any attempted assignment shall be ineffective, null and void, and shall constitute a material breach of this Agreement entitling District to any and all remedies at law or in equity, including summary termination of this Agreement.

19. **Subcontracting.** Notwithstanding the above, Consultant may utilize subcontractors in the performance of its duties pursuant to this Agreement, but only with the prior written consent of the District. The Consultant shall be as fully responsible to the District for the acts and omissions of his Subcontractors, and of persons either directly or indirectly employed by him/her, as if the acts and omissions were performed by him/her directly.


20. **Continuity of Personnel.** Consultant shall make every reasonable effort to maintain the stability and continuity of Consultant’s staff and subcontractors, if any, assigned to perform the services required under this Agreement.

- a. Consultant shall insure that District has a current list of all personnel and sub-contractors providing services under this Agreement.
- b. Consultant shall notify District of any changes in Consultant’s staff and subcontractors, if any, assigned to perform the services required under this Agreement, prior to and during any such performance. The list notice shall include the following information: (1) all full or part-time staff positions by title, including volunteer positions whose direct services are required to provide the services described herein; (2) a brief description of the functions of each such position and the hours each position works each week or, for part-time positions, each day or month, as appropriate; (3) the professional degree, if applicable, and experience required for each position; and (4) the name of the person responsible for fulfilling the terms of this Agreement.

21. **Indemnification.**

- a. Consultant agrees to defend, indemnify, and hold harmless District, its officers, agents, employees, and/or volunteers from any and all claims, demands, losses, damages and expenses, including legal fees and costs, or other obligations or claims arising out of any liability or damage to property, or any other loss, sustained or claimed to have been sustained arising out of activities of the Consultant or those of any of Consultant’s officers, agents, employees, or subcontractors, whether such act or omission is authorized by this Agreement or not. Consultant shall also pay for any and all damage to the Property of the District, or loss or theft of such Property, done or caused by such persons. District

assumes no responsibility whatsoever for any property placed on district premises. Consultant further agrees to waive all rights of subrogation against the District. The provisions of this Agreement do not apply to any damage or losses caused solely by the negligence of the District or any of its officers, agents, employees, and/or volunteers.

 (Initials)

- b. The provisions of this section do not apply to claims occurring as a result of District's sole negligence or willful acts or omissions.

22. **Insurance.** Consultant agrees to obtain and maintain in full force and effect during the term of this Agreement the insurance policies set forth in Exhibit C "Insurance" and made a part of this Agreement. All insurance policies shall be subject to approval by District as to form and content. These requirements are subject to amendment or waiver if so approved in writing by the District Superintendent. Consultant agrees to provide District with copies of required policies upon request.

23. **Notices.** All notices required or permitted to be given under this Agreement shall be in writing and shall be personally delivered, or sent by telecopier or certified mail, postage prepaid and return receipt requested, addressed as follows:

To District: Oxnard School District
 1051 South A Street
 Oxnard, California, 93030
 Attention: Chris Ridge
 Phone: (805) 385.1501 x2161
 Fax: (805) 487.9648

To Consultant: Action Preparedness Training
 951 Woodland Avenue
 Ojai, CA 93023-4156
 Attention: Glenda C. Mahon
 Phone: (805) 340.6333
 Fax: (805) 649.5789

Notice shall be deemed effective on the date personally delivered or transmitted by facsimile (provided confirmation of successful facsimile transmission shall be retained) or, if mailed, three (3) days after deposit of the same in the custody of the United States Postal Service.

24. **Excusable Delays.** Consultant shall not be liable for damages, including liquidated damages, if any, caused by delay in performance or failure to perform due to causes beyond the control of Consultant. Such causes include, but are not limited to, acts of God, acts of the public enemy, acts of federal, state or local governments, acts of District, court orders, fires, floods, epidemics, strikes, embargoes, and unusually severe weather. The term and price of this Agreement shall be equitably adjusted for any delays due to such causes.

25. **Authority to Execute.** The person or persons executing this Agreement on behalf of Consultant represents and warrants that he/she/they has/have the authority to so execute this Agreement and to bind Consultant to the performance of its obligations hereunder.

26. **Administration.** CHRIS RIDGE shall be in charge of administering this Agreement on behalf of the District. The Director of Purchasing has completed Exhibit D "Conflict of Interest Check" attached hereto.

27. **Binding Effect.** This Agreement shall be binding upon the heirs, executors, administrators, successors and assigns of the parties.
28. **Entire Agreement.** This Agreement and the exhibits and documents incorporated herein constitute the entire agreement and understanding between the parties in connection with the matters covered herein.
29. **Amendment.** No amendment to or modification of this Agreement shall be valid or binding unless made in writing by the Consultant and by the District. The parties agree that this requirement for written modifications cannot be waived and that any attempted waiver shall be void.
30. **Waiver.** Waiver by any party to this Agreement of any term, condition, or covenant of this Agreement shall not constitute a waiver of any other term, condition, or covenant. Waiver by any party of any breach of the provisions of this Agreement shall not constitute a waiver of any other provision or a waiver of any subsequent breach or violation of any provision of this Agreement. Acceptance by District of any work or services by Consultant shall not constitute a waiver of any of the provisions of this Agreement.
31. **Governing Law.** This Agreement shall be interpreted, construed and governed according to the laws of the State of California. In the event of litigation between the parties, venue in state trial courts shall lie exclusively in the County of Ventura, California.
32. **Arbitration.** Any dispute arising out of the performance of this Agreement shall be resolved by binding arbitration in accordance with rules and procedures of the American Arbitration Association.
33. **Severability.** If any term, condition or covenant of this Agreement is declared or determined by any court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions of this Agreement shall not be affected thereby and the Agreement shall be read and construed without the invalid, void or unenforceable provision(s).

[THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, the District and Consultant have executed and delivered this agreement for consultant services as of the date first written above.

OXNARD SCHOOL DISTRICT:

Lisa A. Franz
Signature

Lisa A. Franz, Director, Purchasing
Typed Name/Title

7-1-16
Date

Tax Identification Number: 95-6002318

ACTION PREPAREDNESS TRAINING:

Glenda C. Mahon
Signature

Glenda C. Mahon
Typed Name/Title

6/27/16
Date

Tax Identification Number: 547150830

- Not Project Related
- Project #16-29

EXHIBIT A
TO AGREEMENT FOR CONSULTANT SERVICES #16-29

SERVICES

I. Consultant will perform the following Services under the Captioned Agreement:

***SEE ATTACHED PROPOSAL**

II. As part of the Services, Consultant will prepare and deliver the following tangible work products to the District:

***SEE ATTACHED PROPOSAL**

III. During performance of the Services, Consultant will keep the District apprised of the status of performance by delivering the following status reports under the indicated schedule:

| STATUS REPORT FOR ACTIVITY: | DUE DATE |
|-----------------------------|----------|
| A. | |
| B. | |
| C. | |
| D. | |

V. Consultant will utilize the following personnel to accomplish the Services:

- None.
- See attached list.

VI. Consultant will utilize the following subcontractors to accomplish the Services (check one):

- None.
- See attached list.

VII. AMENDMENT

The Scope of Services, including services, work product, and personnel, are subject to change by mutual Agreement. In the absence of mutual Agreement regarding the need to change any aspects of performance, Consultant shall comply with the Scope of Services as indicated above

Not Project Related

Project #16-29

EXHIBIT B
TO AGREEMENT FOR CONSULTANT SERVICES #16-29

COMPENSATION

I. Consultant shall use the following rates of pay in the performance of the Services:

**TOTAL FEE NOT TO EXCEED \$6,500.00 (\$50.00 per OSD staff member)

II. Consultant may utilize subcontractors as indicated in this Agreement. The hourly rate for any subcontractor is not to exceed \$ N/A per hour without written authorization from the District Superintendent or his designee.

III. The District will compensate Consultant for the Services performed upon submission of a valid invoice. Each invoice is to include:

- A. Line items for all personnel describing the work performed, the number of hours worked, and the Hourly or flat rate.
- B. Line items for all supplies properly charged to the Services.
- C. Line items for all travel properly charged to the Services.
- D. Line items for all equipment properly charged to the Services.
- E. Line items for all materials properly charged to the Services.
- F. Line items for all subcontractor labor, supplies, equipment, materials, and travel properly charged to the Services.

IV. The total compensation for the Services shall not exceed \$6,500.00, as provided in Section 4 of this Agreement.

Not Project Related

Project #16-29

EXHIBIT C
TO AGREEMENT FOR CONSULTANT SERVICES #16-29

INSURANCE

I. Insurance Requirements. Consultant shall provide and maintain insurance, acceptable to the District Superintendent or District Counsel, in full force and effect throughout the term of this Agreement, against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by Consultant, its agents, representatives or employees. Insurance is to be placed with insurers authorized to conduct business in the State of California and with a current A.M. Best's rating of no less than A, as rated by the Current edition of Best's Key Rating Guide, published by A.M. Best Company, Oldwick, New Jersey 08858. Consultant shall provide the following scope and limits of insurance:

A. Minimum Scope of Insurance. Coverage shall be at least as broad as:

(1) Commercial General Liability coverage of not less than two million dollars (\$2,000,000) Aggregate and one million dollars (\$1,000,000) per occurrence.

(2) Auto liability insurance with limits of not less than one million dollars (\$1,000,000).

(3) Insurance coverage should include:

1. owned, non-owned and hired vehicles;
2. blanket contractual;
3. broad form property damage;
4. products/completed operations; and
5. personal injury.

(4) Workers' Compensation insurance as required by the laws of the State of California.

~~(5) Abuse and Molestation coverage of not less than two million dollars (\$2,000,000) per occurrence and five million dollars (\$5,000,000) Aggregate.~~

(6) Professional liability (Errors and Omissions) insurance, including contractual liability, as appropriate to the Consultant's profession, in an amount of not less than the following:

| | |
|--|----------------------------|
| Accountants, Attorneys, Education Consultants, Nurses, Therapists | \$1,000,000 |
| Architects | \$1,000,000 or \$2,000,000 |
| Physicians and Medical Corporations | \$5,000,000 |

Failure to maintain professional liability insurance is a material breach of this Agreement and grounds for immediate termination

II. Other Provisions. Insurance policies required by this Agreement shall contain the following provisions:

Not Project Related

Project #16-29

A. All Policies. Each insurance policy required by this Agreement shall be endorsed and state the coverage shall not be suspended, voided, cancelled by the insurer or either party to this Agreement, reduced in coverage or in limits except after 30 days' prior written notice by Certified mail, return receipt requested, has been given to District

B. General Liability, Automobile Liability, and Abuse/Molestation Coverages.

(1) District, and its respective elected and appointed officers, officials, employees and volunteers are to be covered as additional insureds (collectively, "additional insureds") as respects the following: liability arising out of activities Consultant performs; products and completed operations of Consultant; premises owned, occupied or used by Consultant ; automobiles owned, leased, hired or borrowed by Consultant, and Abuse/Molestation. The coverage shall contain no special limitations on the scope of protection afforded to additional insureds.

(2) Each policy shall state that the coverage provided is primary and any insurance carried by any additional insured is in excess to and non-contributory with Consultant's insurance.

(3) Consultant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

(4) Any failure to comply with the reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to any additional insured.

III. Other Requirements. Consultant agrees to deposit with District, at or before the effective date of this contract, certificates of insurance necessary to satisfy District that the insurance provisions of this contract have been complied with. The District may require that Consultant furnish District with copies of original endorsements effecting coverage required by this Section. The certificates and endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. District reserves the right to inspect complete, certified copies of all required insurance policies, at any time.

A. If any Services are performed by subcontractor, Consultant shall furnish certificates and endorsements from each subcontractor identical to those Consultant provides.

B. Any deductibles or self-insured retentions must be declared to and approved by District. At the option of District, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects District or its respective elected or appointed officers, officials, employees and volunteers or the Consultant shall procure a bond guaranteeing payment of losses and related investigations, claim administration, defense expenses and claims.

C. The procuring of any required policy or policies of insurance shall not be construed to limit Consultant's liability hereunder nor to fulfill the indemnification provisions and requirements of this Agreement.

Not Project Related

Project #16-29

EXHIBIT D
TO AGREEMENT FOR CONSULTANT SERVICES #16-29

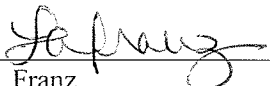
CONFLICT OF INTEREST CHECK

Bylaws of the Board 9270(BB)E requires that the Superintendent or a designee make a determination, on a case by case basis, concerning whether disclosure will be required from a consultant to comply with the District's Conflict of Interest Code (commencing with Bylaws of the Board 9270 BB).

Consultant's are required to file disclosures when, pursuant to a contract with the District, the Consultant will make certain specified government decisions or will perform the same or substantially the same duties for the District as a staff person would.

The services to be performed by Consultant under the Agreement to which this Exhibit D is attached constitute do not constitute governmental decisions or staff services within the meaning of the Conflict of Interest Code. Therefore, the Consultant, **ACTION PREPAREDNESS TRAINING**, who will provide Services under the Agreement, is is not subject to disclosure obligations.

Date: 7-1-16

By: 
Lisa A. Franz
Director, Purchasing

**Action Preparedness Training
951 Woodland Ave, Ojai CA 93023
(805) 340-6333**

Proposal 2016-2017

March 29, 2016

Action Preparedness Training offers OSHA and EMSA compliant CPR/AED and First Aid training classes to school staff at a special rate. Certification is valid for 2 years. Classes typically run from 4-6 hours.

- a. As needed during the 2016-2017 school year.
- b. Cost (lump sum or hourly/not to exceed) \$50 per OSD staff member; not to exceed \$6,500.


Glenda Mahon- EMT
Owner

(805) 340-6333



HEALTHCARE PROVIDERS SERVICE ORGANIZATION PURCHASING GROUP



Certificate of Insurance

OCCURENCE POLICY FORM

Print Date: 4/20/2015

Producer Branch Prefix Policy Number Policy Period
018098 970 HPG 0270279679 from 04/23/15 to 04/23/16 at 12:01 AM Standard Time

Named Insured and Address:

Glenda C Mahon
951 Woodland Ave
Ojai, CA 93023-4156

Program Administered by:

Healthcare Providers Service Organization
159 E. County Line Road
Hatboro, PA 19040-1218
1-800-982-9491
www.hpsso.com

Medical Specialty:

Basic/Intermediate EMT

Code:

80723

Insurance is provided by:

American Casualty Company of Reading, Pennsylvania
333 S. Wabash Avenue, Chicago, IL 60604

Excludes Cosmetic Procedures

Professional Liability \$1,000,000 each claim \$ 3,000,000 aggregate

Your professional liability limits shown above include the following:

- * Good Samaritan Liability * Malplacement Liability * Personal Injury Liability
* Sexual Misconduct Included in the PL limit shown above subject to \$ 25,000 aggregate sublimit

Coverage Extensions

Table with 5 columns: Coverage Extension, Amount, Frequency, Sublimit, Aggregate. Includes License Protection, Defendant Expense Benefit, Deposition Representation, Assault, Medical Payments, First Aid, Damage to Property of Others, Information Privacy (HIPAA) Fines and Penalties.

Workplace Liability

Workplace Liability Included in Professional Liability Limit shown above
Fire & Water Legal Liability Included in the PL limit shown above subject to \$150,000 aggregate sublimit
Personal Liability \$1,000,000 aggregate

Total: \$ 143.00

Base Premium \$143.00

Premium reflects Self Employed , Full Time

Policy Forms & Endorsements(Please see attached list for a general description of many common policy forms and endorsements.)

Table with 6 columns of policy form numbers: G-121500-D, G-121503-C, G-121501-C1, G-145184-A, G-147292-A, GSL15563, etc.

Handwritten signatures of Thomas F. Motamed and John A. Walker

Chairman of the Board

Secretary

Keep this document in a safe place. It and proof of payment are your proof of coverage. There is no coverage in force unless the premium is paid in full. In order to activate your coverage, please remit premium in full by the effective date of this Certificate of Insurance. Master Policy # 188711433

G-141241-B (03/2010)

Coverage Change Date:

Endorsement Change Date:

POLICY FORMS & ENDORSEMENTS

The list below contains general descriptions of the policy forms and endorsements that may or may not apply to your professional liability insurance policy. **Please refer to your Certificate of Insurance for the policy forms & endorsements specific to your state and your policy period.** Coverages, rates and limits may differ or may not be available in all states. All products and services are subject to change without notice.

Think Green –expanded definitions and copies of these policy forms and endorsements are available online at www.hpsa.com/policyforms

COMMON POLICY FORMS & ENDORSEMENTS

| <u>FORM #</u> | <u>DESCRIPTION</u> |
|---------------|---|
| G-121500-D | Common Policy Conditions |
| G-121503-C | Workplace Liability Form |
| G-121501-C1 | Occurrence Policy Form - California |
| G-145184-A | Policyholder Notice - OFAC Compliance Notice |
| G-147292-A | Policyholder Notice - Silica, Mold & Asbestos Disclosure |
| GSL15563 | Information Privacy Coverage Endorsement HIPAA Fines, Penalties & Notification Costs |
| GSL15564 | Sexual Misconduct Sublimits of Liability Professional Liability & Sexual Misconduct Exclusion |
| GSL15565 | Healthcare Providers Professional Liability Assault Coverage |
| GSL17101 | Exclusion of Specified Activities Reuse of Parenteral Devices and Supplies |
| GSL13424 | Services to Animals |
| G-123846-D04 | California Cancellation and Non-Renewal |
| GSL3886 | Coverage & Cap on Losses from Certified Acts Terrorism |
| GSL3908 | Notice - Offer of Terrorism Coverage & Disclosure of Premium |
| CNA79575 | Exclusion of Cosmetic Procedures |

PLEASE REFER TO YOUR CERTIFICATE OF INSURANCE FOR THE POLICY FORMS & ENDORSEMENTS SPECIFIC TO YOUR STATE AND YOUR POLICY PERIOD.

- For NJ residents: The PLIGA surcharge shown on the Certificate of Insurance is the NJ Property & Liability Insurance Guaranty Association.
- For KY residents: The Surcharge shown on the Certificate of Insurance is the KY Firefighters and Law Enforcement Foundation Program Fund and the KY LGPT is the KY Local Government Premium Tax which includes charges at a municipality and/or county level.
- For WV residents: The surcharge shown on the Certificate of Insurance is the WV Premium Surcharge.
- For FL residents: The FIGA Assessment shown on the Certificate of Insurance is the FL Insurance Guaranty Association - 2012 Regular Assessment.

Form#: G-141241-B (03/2010)
Master Policy#: 188711433

Named Insured: Glenda C Mahon
Policy#: 0270279679

BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT X
SECTION D: ACTION _____
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

**Approval of Agreement #16-42 - Assistance League, Non-Public School, NPS
(Freeman/Sugden)**

Requesting approval for Non Public School (NPS) services for the students listed below for the 2016-2017 school year, including Extended School year. The Non Public School will provide a program of instruction which is consistent with the pupils' individual educational plan as specified in the individual service agreement.

Grade: Pre-K (6)

| | |
|----------|----------|
| XJ032012 | JJ062612 |
| ML062012 | SP022712 |
| JP121111 | JT030212 |

FISCAL IMPACT:

Tuition: \$785 monthly rate x 6 students x 12 months = \$56,520.00
(including Extended School Year; ESY)

Grand Total: \$56,520.00 - Services to be paid with Special Education Funds.

RECOMMENDATION:

It is the recommendation of the Director, Special Education Services, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement #16-42 with Assistance League School, NPS.

ADDITIONAL MATERIAL(S):

Attached: Agreement #16-42, Assistance League (3 Pages)



OXNARD SCHOOL DISTRICT

1051 South "A" Street • Oxnard, California 93030 • (805) 385-1501

AGREEMENT FOR NONPUBLIC, NONSECTARIAN SCHOOLING

AGREEMENT #16-42

THIS AGREEMENT, made and entered into this 3rd day of August 2016 by and between the OXNARD SCHOOL DISTRICT, hereinafter referred to as the District, and the ASSISTANCE LEAGUE SCHOOL, hereinafter referred to as the nonpublic, nonsectarian school.

WITNESSETH:

WHEREAS, the District is authorized by the provisions of the California Education Code, Section 56155 et seq., to contract with a nonpublic, nonsectarian school to provide services for certain pupils who are unable to benefit from regular education; and

WHEREAS, the District has determined, through evaluation and individual educational plans, that the following pupils are in need of such services;

Grade: Pre-K (6)

XJ032012

JJ062612

ML062012

SP022712

JP121111

JT030212

NOW, THEREFORE, in consideration of their mutual promises contained herein, the parties hereto enter into a fixed price contract as follows:

1. The nonpublic school will provide a program of instruction which is consistent with the pupil's individual educational plan as specified in the individual service agreement attached hereto and made a part hereof, and that the nonpublic, nonsectarian schools basic educational program and designated instruction and services shall be described in a written statement to be provided to the school district prior to the execution of this agreement.

2. The services shall be provided for the **2016-2017** school year at a cost of \$785 per month, per student, for 12 months each, beginning August 2016, including Extended School Year (ESY) through July 2017; amount not to exceed **\$56,520.00.**

3. The nonpublic school shall keep attendance of each pupil daily and shall report attendance monthly to the school district. Such attendance records shall be kept in a California State school register and copies of such register shall be filed with monthly invoices to the district within thirty (30) days after the close of the school month. Separate attendance registers shall be submitted for all designated instruction and services.

4. The nonpublic school will notify the school district of any change in a pupil's placement and/or address within three (3) days after the nonpublic school is informed of such changes.

5. The nonpublic school will report within three (3) days to the school district if a pupil is removed from the school by the placement agency, parent or legal guardian, or if a pupil absents himself/herself from school without permission for more than five (5) consecutive school days. For the purposes of the contract, a parent is the natural or adoptive parent, legal guardian or surrogate parent appointed by the district of residence when the courts have removed the parents educational rights.

6. The nonpublic school shall notify the school district when a pupil is absent for five (5) consecutive school days because of illness. Notification will be in writing.

7. The nonpublic school will not be paid for excused absences due to changes in the ADA laws. These absences shall count as non-instructional days and not compensated at the daily rate.

8. The nonpublic school shall prepare and submit to the school district trimester progress reports, incident reports within 24 hours, year-end reports and other data required for the annual review on or before April 15 of the current school year. Forms for year-end and other required reports shall be provided by the school district via the computerized special education support program (SESP).

9. In consideration of the services to be rendered by the nonpublic, nonsectarian school, the district agrees to payment as follows:

All cost for this service, including intake, testing, tuition, and elective shall not exceed **\$56,520.00** for students listed on page one of this Agreement #16-42.

10. While engaged in carrying out and complying with the terms of this agreement, the nonpublic, nonsectarian school is an independent contractor and not an officer, agent, or employee of the district. The independent contractor will obtain a criminal record summary from the Department of Justice or a Department of Justice approved agency on all employees or contracted service providers who potentially have contact with students. This clearance will be completed prior to the person(s) first day of employment. No individual who has been convicted of a violent or serious felony as listed in subdivision C, of Section 1192.7 of the California Penal Code will be employed in any capacity that potentially involves contact with students. Nor will any person be employed who has been convicted of, or entered a plea of nolo contendere to charges of any sex offense as defined in Education Code 44011.

11. The school district may withhold payment to the nonpublic, nonsectarian school when, in the opinion of the district: (1) nonpublic school's performance in whole or in part, either has not been sufficient or is insufficiently documented, or: (2) nonpublic school has neglected, failed, or refused to provide information or to cooperate with the inspection, review or audit of the program conducted by nonpublic school or records relating thereto. The school district shall not withhold payments as specified in this paragraph unless the school district has notified the nonpublic,

nonsectarian school, in writing, that nonpublic, nonsectarian school has not performed as specified herein. The notice shall specify that nonpublic, nonsectarian school has fourteen (14) days to make the required corrections. If, after the expiration of the fourteen (14) days, nonpublic, nonsectarian school has not corrected the situation as specified in the district's notice, the affected payments will be withheld and this agreement may be canceled for cause.

12. During the entire term of this agreement and any extension or modification thereof, the nonpublic school shall keep in effect a policy or policies of liability insurance, including coverage of owned and non-owned automobiles operated by nonpublic school for the purposes of this agreement, of at least \$1,000,000 for each person and \$1,000,000 for each accident or occurrence from all damages arising out of death, bodily injury, sickness, or disease from any one accident or occurrence, and \$3,000,000 for all damages and liability arising out of injury to or destruction of property for each accident or occurrence. Not later than the effective date of this contract, the nonpublic school shall provide the District with satisfactory evidence of insurance, naming the District as additional insured, including a provision for a twenty (20) calendar day written notice to District before cancellation or material change, evidencing the above specified coverage. The Nonpublic school shall at its own cost and expense procure and maintain insurance under the Workers' Compensation Law of California. Said certificates shall specify that insurance shall not be canceled or changed in required limits unless the school district has been provided forty-five (45) days advance written notification of cancellation or change.

The nonpublic, nonsectarian school shall also maintain Workers' Compensation Insurance coverage as required by law.

13. This Agreement, or any of its rights, obligations, provisions, or conditions, may not be assigned by either party without the written consent of the party.

14. This Agreement may be amended by mutual agreement of the parties and may be terminated by either party upon twenty (20) days advance notification.

IN WITNESS WHEREOF, the parties hereto have set their hands on the day and year first above written.

Date

Lisa A. Franz, Director, Purchasing
Oxnard School District

Date

Victoria Elliott, Director
Assistance League School, Nonpublic, Nonsectarian School

BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT X
SECTION D: ACTION _____
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

**Approval of Agreement #16-43 - Assistance League, Non-Public School, NPS
(Freeman/Sugden)**

Requesting approval for Non Public School (NPS) services for the students listed below for the 2016-2017 school year, including Extended School year. The Non Public School will provide a program of instruction which is consistent with the pupils' individual educational plan as specified in the individual service agreement.

Grade: K (5)

MC010711 GH052311
AL092711 MM110311
CR080611

FISCAL IMPACT:

Tuition K: \$800 monthly rate x 5 students x 12 months = \$48,000.00
(including Extended School Year; ESY)

Grand Total: **\$48,000.00** - Services to be paid with Special Education Funds.

RECOMMENDATION:

It is the recommendation of the Director, Special Education Services, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement #16-43 with Assistance League School, NPS.

ADDITIONAL MATERIAL(S):

Attached: Agreement #16-43, Assistance League (3 Pages)



OXNARD SCHOOL DISTRICT

1051 South "A" Street • Oxnard, California 93030 • (805) 385-1501

AGREEMENT FOR NONPUBLIC, NONSECTARIAN SCHOOLING

AGREEMENT #16-43

THIS AGREEMENT, made and entered into this 3rd day of August 2016 by and between the OXNARD SCHOOL DISTRICT, hereinafter referred to as the District, and the ASSISTANCE LEAGUE SCHOOL, hereinafter referred to as the nonpublic, nonsectarian school.

WITNESSETH:

WHEREAS, the District is authorized by the provisions of the California Education Code, Section 56155 et seq., to contract with a nonpublic, nonsectarian school to provide services for certain pupils who are unable to benefit from regular education; and

WHEREAS, the District has determined, through evaluation and individual educational plans, that the following pupils are in need of such services;

Grade: K (5)

MC010711

GH052311

AL092711

MM110311

CR080611

NOW, THEREFORE, in consideration of their mutual promises contained herein, the parties hereto enter into a fixed price contract as follows:

1. The nonpublic school will provide a program of instruction which is consistent with the pupil's individual educational plan as specified in the individual service agreement attached hereto and made a part hereof, and that the nonpublic, nonsectarian schools basic educational program and designated instruction and services shall be described in a written statement to be provided to the school district prior to the execution of this agreement.

2. The services shall be provided for the **2016-2017** school year at a cost of \$800 per month, per student, for 12 months each, beginning August 2016, including Extended School Year (ESY) through July 2017; amount not to exceed **\$48,000.00.**

3. The nonpublic school shall keep attendance of each pupil daily and shall report attendance monthly to the school district. Such attendance records shall be kept in a California State school register and copies of such register shall be filed with monthly invoices to the district within thirty (30) days after the close of the school month. Separate attendance registers shall be submitted for all designated instruction and services.

4. The nonpublic school will notify the school district of any change in a pupil's placement and/or address within three (3) days after the nonpublic school is informed of such changes.

5. The nonpublic school will report within three (3) days to the school district if a pupil is removed from the school by the placement agency, parent or legal guardian, or if a pupil absents himself/herself from school without permission for more than five (5) consecutive school days. For the purposes of the contract, a parent is the natural or adoptive parent, legal guardian or surrogate parent appointed by the district of residence when the courts have removed the parents educational rights.

6. The nonpublic school shall notify the school district when a pupil is absent for five (5) consecutive school days because of illness. Notification will be in writing.

7. *The nonpublic school will not be paid for excused absences due to changes in the ADA laws. These absences shall count as non-instructional days and not compensated at the daily rate.*

8. The nonpublic school shall prepare and submit to the school district trimester progress reports, incident reports within 24 hours, year-end reports and other data required for the annual review on or before April 15 of the current school year. Forms for year-end and other required reports shall be provided by the school district via the computerized special education support program (SESP).

9. In consideration of the services to be rendered by the nonpublic, nonsectarian school, the district agrees to payment as follows:

All cost for this service, including intake, testing, tuition, and elective shall not exceed **\$48,000.00** for students listed on page one of this Agreement #16-43.

10. While engaged in carrying out and complying with the terms of this agreement, the nonpublic, nonsectarian school is an independent contractor and not an officer, agent, or employee of the district. The independent contractor will obtain a criminal record summary from the Department of Justice or a Department of Justice approved agency on all employees or contracted service providers who potentially have contact with students. This clearance will be completed prior to the person(s) first day of employment. No individual who has been convicted of a violent or serious felony as listed in subdivision C, of Section 1192.7 of the California Penal Code will be employed in any capacity that potentially involves contact with students. Nor will any person be employed who has been convicted of, or entered a plea of nolo contendere to charges of any sex offense as defined in Education Code 44011.

11. The school district may withhold payment to the nonpublic, nonsectarian school when, in the opinion of the district: (1) nonpublic school's performance in whole or in part, either has not been sufficient or is insufficiently documented, or: (2) nonpublic school has neglected, failed, or refused to provide information or to cooperate with the inspection, review or audit of the program conducted by nonpublic school or records relating thereto. The school district shall not withhold payments as specified in this paragraph unless the school district has notified the nonpublic,

nonsectarian school, in writing, that nonpublic, nonsectarian school has not performed as specified herein. The notice shall specify that nonpublic, nonsectarian school has fourteen (14) days to make the required corrections. If, after the expiration of the fourteen (14) days, nonpublic, nonsectarian school has not corrected the situation as specified in the district's notice, the affected payments will be withheld and this agreement may be canceled for cause.

12. During the entire term of this agreement and any extension or modification thereof, the nonpublic school shall keep in effect a policy or policies of liability insurance, including coverage of owned and non-owned automobiles operated by nonpublic school for the purposes of this agreement, of at least \$1,000,000 for each person and \$1,000,000 for each accident or occurrence from all damages arising out of death, bodily injury, sickness, or disease from any one accident or occurrence, and \$3,000,000 for all damages and liability arising out of injury to or destruction of property for each accident or occurrence. Not later than the effective date of this contract, the nonpublic school shall provide the District with satisfactory evidence of insurance, naming the District as additional insured, including a provision for a twenty (20) calendar day written notice to District before cancellation or material change, evidencing the above specified coverage. The Nonpublic school shall at its own cost and expense procure and maintain insurance under the Workers' Compensation Law of California. Said certificates shall specify that insurance shall not be canceled or changed in required limits unless the school district has been provided forty-five (45) days advance written notification of cancellation or change.

The nonpublic, nonsectarian school shall also maintain Workers' Compensation Insurance coverage as required by law.

13. This Agreement, or any of its rights, obligations, provisions, or conditions, may not be assigned by either party without the written consent of the party.

14. This Agreement may be amended by mutual agreement of the parties and may be terminated by either party upon twenty (20) days advance notification.

IN WITNESS WHEREOF, the parties hereto have set their hands on the day and year first above written.

Date

Lisa A. Franz, Director, Purchasing
Oxnard School District

Date

Victoria Elliott, Director
Assistance League School, Nonpublic, Nonsectarian School

Agreement #16-45

OXNARD SCHOOL DISTRICT
and
CHILD DEVELOPMENT RESOURCES OF VENTURA COUNTY, INC.

SITE LEASE OF REAL PROPERTY
FOR OPERATION OF HAYDOCK HEAD START [PROGRAM]

This Site Lease of Real Property (the Site Lease) is hereby made and entered into this 4th day of August, 2016 (Effective Date), by and between OXNARD SCHOOL DISTRICT, a California public school district in the County of Ventura, California (the District) and CHILD DEVELOPMENT RESOURCES OF VENTURA COUNTY, INC. (Lessee).

RECITALS

WHEREAS, the District operates and maintains an elementary school site at Haydock Intermediate School at 647 West Hill Street in the City of Oxnard, California (the "School Site"); and

WHEREAS, the Lessee is in need of space to operate its Program (as set forth in Section 2.1 below) for the children and families within the District area; and

WHEREAS, the District has space appropriate for this need at the School Site; and

WHEREAS, the use of the facilities, grounds and outside playground equipment authorized by this Agreement will not be inconsistent with the District's use of the balance of the School Site as an elementary school;

NOW, THEREFORE, in consideration of the premises and covenants and conditions contained herein, the parties agree as follows:

Article I - Premises

Section 1.1 Premises

The leased real property that is the subject of this Site Lease consists of approximately 13,200 square feet located on the School Site (the "Premises") as described more completely in **Exhibit A** attached hereto and made a part of this Site Lease. The Lessee shall be entitled to install a portable classroom (the "Facility") on the Premises at its sole cost and expense. The Lessee shall be responsible for obtaining all legally necessary and required governmental approvals and authorizations related to the installation of the Facility, including without limitation, approval from the California Division of the State Architect ("DSA"). After receipt of written approval from DSA, the Lessee shall submit any changes resulting from the DSA approval process to the District for the District's written approval, which approval shall not be unreasonably withheld.

Section 1.2 Warranty of Title

The District warrants that it owns the site in fee simple and that the site is not burdened by any easements or restrictions which would prevent the use of the site for the purpose of this Agreement. The parties acknowledge that title to the Premises shall continue to be held by the District throughout the term of this lease.

Section 1.3 Relocation of Premises

As the owner of the Facility, the Lessee reserves the right to relocate the Facility, at its sole expense, upon ninety days prior notification to the District. Such relocation shall be conducted in a manner acceptable to the District, consent to which the District shall not unreasonably withhold, designed to minimize disruption to the operation of the District's elementary school operations on the School Site.

Article II - Use of Premises

Section 2.1 Permissible Uses

Lessee shall use the Premises to house and operate Haydock Head Start (the Program) and for no other purpose unless mutually agreed to by the parties. Lessee will provide District, no later than July 31, 2016, a copy of the program instructional and staffing calendar for Program year 2016-2017.

Section 2.2 Suitability

Lessee acknowledges that neither the District nor any agent of the District has made any representation or warranty as to the suitability of the Premises for the conduct of Lessee's Program.

Section 2.3 Shared Use of School Site Facilities

Playground is not shared, common playground area measures 7,040 square feet. Head Start staff use the restrooms in the Head Start facility.

Section 2.4 Parking

Currently, there are no parking spaces assigned to CDR

Article III - Operation, Maintenance, Repair and Utilities

Section 3.1 Operation

In operating the Premises, the Lessee shall not allow the Premises to fall into a state of disrepair or present a hazard to the occupants of the Premises or the School Site.

Section 3.2 Maintenance

The Lessee shall maintain the Premises in a safe condition in conformance with all laws, rules, and regulations applicable to the use of the Premises by the Lessee or the District, whichever standard is higher.

Section 3.3 Utilities

During the lease term, the Lessee shall provide, maintain, repair and pay for all utilities serving the Premises, including, but not limited to, gas, water, electricity, sewer, telephone and trash collection.

Lessee pays for own utilities and janitorial services.

Section 3.4 Repair

The Lessee shall be responsible for all repairs and maintenance of the Facility and the Premises (e.g., repairing heating and ventilation systems, the Facility, maintaining the Facility's equipment).

CDR provides weed abatement inside the fenced area around the Head Start classroom. CDR also provides sand for the sandbox.

Section 3.5 Equipment

The Lessee shall be responsible for providing any personal property, including equipment, appliances and furnishings required for the operation of the Facility.

Section 3.6 District Non-Responsibility

The District shall have no obligation whatsoever for costs incurred in the operation, maintenance and repair of the Facility or the Premises.

Section 3.7 Alterations

The Lessee shall not make any material alterations to the Premises without the prior written consent of the District.

Article IV – Term and Rent

Section 4.1 Initial/Extended Terms

The extended term of this Site Lease shall be **one (1) year commencing on August 4, 2016 (the "Commencement Date") and ending June 30, 2017** unless terminated sooner under any provision of this Agreement (the "Term"). Lessee may have access to facility starting July 1, 2016.

Section 4.2 Extensions

Upon the completion of the initial Term of this Site Lease, the parties may agree to an extension of the Term. The parties agree to negotiate in good faith mutually agreeable terms and conditions for such an extension. If prior to the expiration of the initial Term, the Lessee notifies the District that it wishes to extend the term, the District may, in its sole discretion, elect to give the Lessee alternative and equivalent premises at another school site within the District, provided that the District gives the Lessee not less than ninety days (90) prior written notice of its election to do so.

Section 4.3 Early Termination

Either party may terminate this lease for convenience upon one hundred twenty (120) days written notice. Lessee may terminate this lease upon sixty (60) days written notice in the event that funding for the Program ceases.

Section 4.4 Rent

Annual rent shall be One Dollar (\$1.00) per year, payable upon the Commencement Date. The District agrees to verify the difference between the actual rental value and the actual money paid in an annual third-party in kind contribution receipt, which is required by the Federal funding source and in no way implies a use of public funds for private purpose.

The District agrees to contribute in-kind land use fees \$999.00 per month to the Lessee.

Article V - Insurance

Section 5.1 Insurance

The Lessee shall, at the Lessee's sole expense, obtain and keep in force during the term of this Site Lease, the types and amounts of insurance shown on **EXHIBIT B** which is incorporated by reference herein and made a part of this Agreement. All insurance policies shall be subject to approval by the District as to form and content. Lessee agrees to provide District with copies of required policies upon request.

Article VI - Indemnification

Section 6.1 Indemnification

The Lessee shall indemnify, protect, defend and hold harmless District and any and all of its officials, elected board members, employees and agents ("Indemnified Parties") from and against any liability (including liability for claims, suits, actions, arbitration proceedings, administrative proceedings, regulatory proceedings, losses, expenses or costs of any kind, whether actual, alleged or threatened, including attorneys fees and costs, court costs, interest, defense costs, and expert witness fees), arising out of or in any way attributable to the ownership, use, occupancy, operation or maintenance of the Premises and/or the Facility or from the conduct of the Program or from any activity, work or things done, permitted or suffered by the Lessee, its agents, employees, or contractors in or about the Premises, and from and against any claims arising from a breach or

default in the performance of any obligation on the Lessee's part to be performed under the terms of this Site Lease or arising from any negligence of the Lessee, its employees, agents, or contractors.

Article VII - Assignments

Section 7.1 Sublease or Assignment

The Lessee shall not subcontract, sublet or assign any of its rights or duties hereunder, in whole or in part, without the prior written consent of the District.

Section 7.2 Third Party Use

The Lessee shall not allow any other person and/or entity to use the Premises without the prior written notification of the District.

Article VIII - Breach and Termination

Section 8.1 Breach and Termination

In the event of any material breach or default of this Site Lease by either party, the other party may terminate this Site Lease and have no further obligations hereunder (save those set forth in this Article) if such default or breach continues for a period of forty-five (45) days after the breaching party receives written notice of the default or breach; provided, however, that if the nature of the default or breach is such that more than forty-five (45) days are reasonably required for its cure, then the non-breaching party shall not have the right to terminate this Site Lease if the breaching party commences such cure within the forty-five (45) day period and thereafter diligently prosecutes such cure to completion. Any written notice regarding a default or breach shall include a detailed explanation of the default or breach. The foregoing provisions are in addition to, and not a limitation of, any other rights or remedies available to the District and/or the Lessee.

Section 8.2 Termination for Cause

Either party may terminate this Site Lease for Cause. Cause shall include, without limitation, the following:

- (i) The Lessee is adjudged bankrupt;
- (ii) The Lessee makes a general assignment for the benefit of its creditors;
- (iii) A receiver is appointed on account of the Lessee's insolvency;
- (iv) If the Lessee has made any material misrepresentation of any nature in or with respect to any information or data furnished to the District in connection with the site;
- (v) If the District has made any material misrepresentation of any nature in or with respect to any information or data furnished to the Lessee in connection with the site;
- (vi) If any hazardous material is discovered on site; and the Lessee fails to take action as is required under this Agreement;

- (vii) If the Lessee ceases to use the Premises for the use specified herein for ninety (90) consecutive days or more.

Article IX - Inspection of Premises

Section 9.1 Inspection

The Lessee agrees to provide the District with a set of keys to the Premises for emergency repairs. The Lessee shall permit the District and its agents to enter the Premises at any reasonable time for the purpose of inspecting the same, performing the District's maintenance and repair responsibilities, or posting a notice of non-responsibility for alterations, additions or repairs. The District and its authorized agents and representatives shall have the right throughout the term of this Site Lease to enter the Premises at all reasonable times during usual business hours and upon reasonable notice for the purpose of inspecting the Premises.

Article X – Removal of Facility and Personal Property

Section 10.1 Removal of Facility

On or before the expiration of this Site Lease, or within thirty (30) days after any earlier termination of this Site Lease, the Lessee shall remove from the Premises the Facility in accordance with the provisions of Section 1.3 above relating to the manner of removal.

Section 10.2 Removal of Personal Property

On or before the expiration of this Site Lease, or within thirty (30) days after any earlier termination of this Site Lease, the Lessee shall remove from the Premises any furniture, equipment or other personal property ("Lessee's Personal Property") that it placed on the Premises that is not affixed to the Premises, at its sole expense.

Section 10.3 Repair

The Lessee shall repair any damage to the School Site, and/or the Premises, caused by removal of the Lessee's Facility and/or Personal Property and restore the School Site, and the Premises to good condition, less reasonable wear and tear.

Article XI - Independent Contractor

Section 11.1 Independent Contractor

Under no circumstances shall this Site Lease be construed as an agreement of partnership, joint venture, or employment between the District and the Lessee.

Section 11.2 No Authority

Each party acknowledges and agrees that it neither has, nor will it give the appearance or impression of having, any legal authority to bind or commit the other party in any way.

Article XII – Environmental Representations and Covenants

Section 12.1 Definitions

For purposes of this Site Lease, the terms “Hazardous Materials” and “Environmental Laws” shall have the meanings provided in the attached **Exhibit C**.

Section 12.2 District’s Representations

- (a) To the best of the District’s knowledge, both the School Site and the Premises are in compliance with all applicable Environmental Laws.
- (b) Neither the District nor, to the District’s knowledge, any predecessor in interest to the District has received any written notice of violation issued pursuant to any Environmental Laws with respect to the School Site or the Premises or the land to be occupied by the Facility.

Section 12.3 Hazardous Materials

The District and the Lessee agree not to cause or permit any Hazardous Materials to be placed upon the School Site, Premises or in the Facility, except as permitted by law.

Article XII - Miscellaneous

Section 13.1 Amendments

No waiver, alteration or modification of any of the provisions of this Agreement shall be binding upon either the District or the Lessee unless the same shall be in writing and signed by both the District and the Lessee.

Section 13.2 Time of Essence

Time is of the essence in this Site Lease and each and all of its provisions.

Section 13.3 Notices

Any notices or filings required to be given or made under this Agreement shall be served, given or made in writing upon the District or the Lessee, as the case may be, by personal delivery or registered mail or overnight delivery service (with a copy sent via fax or regular mail) to the respective addresses given below or at such other address as such party may provide in accordance with the provisions herein. Any change in the addresses noted herein shall not be binding upon the other party unless preceded by no less than thirty (30) days prior written notice.

If to the Lessee:

Child Development Resources
221 E. Ventura Blvd.
Oxnard, CA 93036
Attn: Alec Hairabedian

If to the District:

Oxnard School District
Business & Fiscal Services
1051 S. "A" Street
Oxnard, CA 93030-7492
Attn: Lisa Franz

Any notice given by certified or registered mail shall be effective five (5) days after deposit in the United States mail. Any notice sent by overnight delivery service shall be effective the business day next following delivery thereof to the overnight delivery service. Any notice personally given shall be effective upon receipt.

Section 13.4 Force Majeure

If any party shall be delayed or prevented from the performance of any act required by this Lease by reason of acts of God, strikes, lockouts, labor troubles, or the inability to procure materials, without fault and beyond the reasonable control of the party obligated (financial inability excepted), performance of such act shall be excused for the period of the delay and the period for the performance of any such act shall be extended for a period equivalent to the period of such delay.

Section 13.5 Entire Agreement

This Agreement, including any exhibits hereto, constitutes the entire agreement between the parties with respect to the use of the Site by the Lessee and correctly sets forth the obligations of the District and the Lessee to each other as of the Commencement Date. Any agreements not expressly set forth in this Site Lease shall be null and void.

Section 13.6 Severability

If any one or more of the terms, covenants or conditions of this Agreement shall to any extent be declared invalid, unenforceable, void or voidable for any reason whatsoever by a court of competent jurisdiction, the finding or order or decree of which becomes final, none of the remaining terms, provisions, covenants and conditions of this Site Lease shall be affected thereby, and each provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law.

Section 13.7 Governing Law

This Agreement shall be construed in accordance with, and governed by, the laws of the State of California excluding its choice of law rules, and both parties agree that venue for any dispute arising under this Agreement shall be in Oxnard, California.

Section 13.8 Waiver

In no event shall any action by either party to this Site Lease constitute or be construed to be a waiver or any breach of covenants or conditions of this Site Lease or of any default which may then exist on the part of the other party, and the taking of any action while any breach or default exists, shall in no way impair or prejudice any right or remedy available to the non-breaching party with respect to such breach or default. The waiver by any party of one breach by any other party of any of the provisions of this Site Lease shall not constitute a continuing waiver or a waiver of any subsequent breach either of the same or of another provision of this Site Lease.

Section 13.9 Headings

The headings of the sections of this Site Lease are merely for the convenience of the parties.

Section 13.10 Counterparts

This Site Lease may be signed in counterparts, each of which shall be deemed an original but all of which together shall constitute one and the same Site Lease.

Section 13.11 Successors and Assigns

This Site Lease shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, legal representatives, successors and assigns.

Section 13.12 Surrender of Lease

The voluntary or other surrender of this Site Lease by the Lessee, or a mutual cancellation thereof, shall, at the option of the District, shall terminate all or any existing subleases, or operate as an assignment to the District of any or all such subleases.

Section 13.13 Fingerprinting and Personnel Disclosure

Prior to entering or permitting entry by its employees, volunteers, agents and contractors onto the School Site for the purposes specified in this Site Lease, the Lessee shall be responsible for ensuring compliance with all applicable fingerprinting and criminal background investigation requirements described in California Education Code sections 45125.1 and 45125.2, which may be met under the fingerprinting provisions of Title 22 of the California Code of Regulations and applicable provisions of the California Health & Safety Code relevant to facility licensing (Health & Safety Code Sections 1500, et seq.) Lessee shall make available to District no later than July 30, 2016 a current list of all personnel providing services under this Agreement. Changes to this list shall be immediately provided to DISTRICT in writing. The list shall include: (1) all full or part-time staff positions by title, including volunteer positions whose direct services are required to provide the services described herein, (2) a brief description of the functions of each such position, (3) the professional degree, if applicable, and experience required for each position, and (4) the name of the person responsible for fulfilling the terms of this Agreement.

Section 13.14 Non-Discrimination

The Lessee and the District shall not restrict the lease, use, occupancy, tenure, or enjoyment

of the Premises, or any portion thereof, on the basis of sexual orientation, gender, marital status, race, color, religion, creed, national origin, or ancestry of any person.

Section 13.15 Cooperation with Other Occupants of Property

It is understood and recognized by the Lessee that the School Site, of which the Premises is a part, will be used by other parties, including the District, and Lessee shall cooperate with the other parties in reaching amicable arrangements concerning such matters as use of the parking areas, playgrounds, policing of common areas, custodial services, and security issues.

Section 13.16 Attorneys Fees

In case suit should be brought for recovery of the Premises or for any sum due hereunder, or because of any act which may arise out of the possession of the Premises, by either party, the prevailing party shall be entitled to all costs incurred in connection with such action, including reasonable attorney's fees.

Section 13.17 Authority

Each person executing this Site Lease on behalf of a party hereto represents and warrants that he is duly and validly authorized to do so on behalf of such party, with full right and authority to execute this Agreement and to bind such party with respect to all of its obligations hereunder.

Section 13.18 Licenses and Standards

Lessee shall conform with all federal, state, county and local rules and regulations, including facility and professional licensing and certification laws, and shall keep in effect any and all licenses, permits, notices and certificates as are required for the duration of this Agreement. Lessee shall further comply with all laws applicable to wages and hours of employment, occupational safety, and fire safety, health and sanitation. Lessee shall provide District, no later than July 30, 2016, a copy of the Facility License issued by State of California Department of Social Services.

In the performance of this Agreement, Lessee shall comply with all applicable provisions of the California Welfare and Institutions Code, title 45 of the Code of Federal Regulations, all applicable laws and regulations of the United States, State of California, and DISTRICT and all administrative regulations, rules and policies adopted hereunder as each and all may now exist or be hereinafter amended or changed. In addition, Lessee shall comply with all rules and regulations set forth in Federal Office of Management and Budget (OMB) Super Circular as applicable to form of entity by which Lessee transacts its business.

IN WITNESS WHEREOF the parties hereto, intending to be legally bound thereby, have executed this Site Lease effective as of the date first above written.

DISTRICT:
OXNARD SCHOOL DISTRICT:

LESSEE:
**CHILD DEVELOPMENT RESOURCES OF
VENTURA COUNTY, INC.:**

By: _____
Lisa A. Franz
Director of Purchasing
Telephone: (805) 385-1501
Fax: (805) 240-7582

By: _____
Don Henniger
Chief Executive Officer
Telephone: (805) 485-7878
Fax: (805) 278-0775

(Contingent on Board of Trustee Approval)

EXHIBIT A

LEGAL DESCRIPTION OF HAYDOCK INTERMEDIATE SCHOOL SITE

DESCRIPTION OF PREMISES

Parcel 1

That portion of Subdivision 30 of the Rancho El Rio de Santa Clara o' La Colonia, in the City of Oxnard, County of Ventura, State of California, as shown on partition map of said Rancho on file in the office of the County Clerk of said County, described as follows:

Beginning at a point in the North line of Hill Street at the Southwest corner of Lot 6, Block 4 of the Wolff, Hill Laubacher Subdivision as per map thereof recorded in book 5, page 16 ½ of Maps; thence, along the North line of said Hill Street,

1st: - North 89° 53' West, 706.40 feet to the East of the Wooley Road Subdivision, as per map thereof recorded in book 13, page 79 of Maps; thence along said East line,

2nd: - North 0° 06' West 878.88 feet to the South line of the land conveyed to Carrie F. Jaqua by deed recorded March 19, 1913 in book 135, page 271 of Deeds; thence along the South line of said land of Carrie F. Jaqua and its Easterly prolongation.

3rd: - South 89° 51' East, 154.00 feet; thence,

4th: - South 89° 53' 45" East, 373.93 feet to a line which is parallel with and 60.00 feet Westerly, measured along the Southerly line of Wooley Road 40.00 feet wide, from the West line of the land conveyed to Anastia Revolon by deed recorded March 20, 1903 in book 87, page 336 of Deeds; thence along said parallel line,

5th: - North 277.87 feet to the Southerly line of said Wooley Road; thence along the Southerly line of said Wooley Road,

6th: - South 89° 53' East 60.00 feet to the Northwest corner of said land of Anastia Revolon; thence along the Westerly line of said land of Anastia Revolon,

7th: - South 363.00 feet to the Southwest corner of said last mentioned land; thence along the South line thereof,

8th: - South 89° 53' East, 120.00 feet to a point in the West line of said Wolff Hill Laubacher Subdivision at the Southeast corner of said land of Anastia Revolon; thence along the West line of said Wolff Hill Laubacher Subdivision,

9th: - South 793.30 feet to the point of beginning.

EXCEPTING the interest in said land as conveyed to the City of Oxnard, a municipal corporation, by deed recorded May 29, 1953 as Document No. 12812.

Parcel 2

That portion of Subdivision 30 of the Rancho El Rio de Santa Clara o' La Colonia, in the City of Oxnard, County of Ventura, State of California, as shown on partition map of said Rancho on file in the office of the County Clerk of said County, described as follows:

Beginning at a point in the West line of the land conveyed to Anastia Revolon by deed recorded March 20, 1903 in book 87, page 336 of Deeds distant along said West line South 277.87 feet from the Southerly line of Wooley Road, said West line South 277.87 feet from the Southerly line of Wooley Road, 40.00 feet wide; thence along the West line of said land of Anastia Revolon,

1st. - South 85.13 feet to the Southwest corner thereof; thence along the South line of said last mentioned land,

2nd. - South 89° 53' East 120.00 feet to a point in the West line of the Wolff Hill Laubacher Subdivision, as per map thereof recorded in book 5, page 16 ½ of Maps at the Southeast corner of said land of Anastia Revolon; thence along the West line of said Wolff Hill Laubacher Subdivision,

3rd. - North 85.13 feet more or less, to a line which bears South 89° 53' East from the point of beginning; thence along said line,

4th. - North 89° 53' West, 120.00 feet to the point of beginning.

SUBJECT TO:

1. General and special taxes for the fiscal year 1953-54, a lien not yet payable.
2. Covenants, conditions, restrictions, easements and rights of way of record.

**EXHIBIT B
INSURANCE**

2.7 INSURANCE.

2.7.1 Lessee, at its sole cost and expense, shall obtain and maintain in full force, during the term of this Agreement, the following types of insurance:

2.7.1.1 Commercial General Liability "occurrence" coverage in the minimum amount of \$1,000,000 for bodily injury and property damage each occurrence and \$2,000,000 annual aggregate, including personal injury and advertising injury liability, \$1,000,000 aggregate , products/completed operations, and \$50,000 fire legal liability, if applicable.

2.7.1.2 Commercial Automobile Liability coverage in the minimum amount of \$1,000,000 combined single limit (CSL) bodily injury and property damage, including owned (if any, which requires symbol 1 coverage), non-owned and hired automobiles.

2.7.1.3 Workers' Compensation coverage, in full compliance with California statutory requirements, for all employees of Lessee and Employer's Liability in the minimum amount of \$1,000,000, and a waiver of subrogation in favor of DISTRICT.

2.7.1.4 Professional Liability coverage in the minimum amount of \$1,000,000 each claim and \$2,000,000 annual aggregate with a maximum deductible of \$2,500 per claim. Policy shall be maintained for one year after the end of the contract period.

2.7.1.5 Abuse and Molestation coverage of not less than one million dollars (\$1,000,000) per occurrence and three million dollars (\$3,000,000) Aggregate.

2.2.1.6 All the insurance companies providing coverage under this Agreement must be A.M. Best rated A, with the exception of the workers compensation insurance if provided by State Compensation Insurance Fund. Insurance coverage must be provided by California licensed and admitted carriers, with the exception of Professional Liability.

2.7.2 All insurance required under this Agreement shall be primary coverage as respects DISTRICT, and any insurance or self-insurance maintained by DISTRICT shall be in excess of Lessee's insurance coverage and shall not contribute to Lessee's coverage. DISTRICT is to be notified immediately if any aggregate insurance limit is exceeded. Additional coverage must be purchased to meet requirements.

2.7.3 The Oxnard School District is to be named as **Additional Insured** as respects work done by Lessee under the terms of this Agreement on all insurance required by this Agreement. However, this paragraph 2.7.3 shall not be construed to apply to Workers' Compensation coverage.

2.7.4 Policies shall not be canceled, non-renewed or reduced in scope of coverage until after sixty (60) days written notice has been given to the DISTRICT.

2.7.5 Lessee agrees to provide DISTRICT with the following insurance documents within 14 days after the execution of this Agreement:

2.7.5.1 Certificates of Insurance for coverage required under this Agreement

2.7.5.2 Additional insured endorsements; and

2.7.5.3 Thirty (30) days Notice Cancellation Clause endorsements.

EXHIBIT C

DEFINITION OF HAZARDOUS MATERIALS AND ENVIRONMENTAL LAWS

For purposes of this Site Lease, the term “**Hazardous Materials**” shall mean any and all (a) substances, products, by-products, waste, or other materials of any nature or kind whatsoever which is or becomes listed, regulated, or addressed under any Environmental Laws (defined below), and (b) any materials, substances, products, by-products, waste or other materials of any nature or kind whatsoever whose presence in and of itself or in combination with other materials, substances, products, by-products or waste may give rise to liability under any Environmental Law or any statutory or common law theory based on negligence, trespass, international, nuisance, strict or absolute liability or under any reported decisions of any state or federal court; and (c) any substance, product, by-product, waste, or any other material which may be hazardous or harmful to the air, water, soil, environment or affect industrial hygiene, occupational, health, safety and/or general welfare conditions, including without limitation, petroleum and/or asbestos materials, products, by-products, or waste.

For purposes of this Site Lease, the term “**Environmental Laws**” shall mean and include all federal, state, and local laws, statutes, ordinances, regulations, resolutions, decrees, and/or rules now or hereinafter in effect, as may be amended from time to time, and all implementing regulations, directives, orders, guidelines, and federal or state court decisions, interpreting, relating to, regulating or imposing liability (including, but not limited to, response, removal, remediation and damage costs) or standards of conduct or performance relating to industrial hygiene, occupational, health and/or safety conditions, environmental conditions, or exposure to, contamination by, or clean-up of any and all Hazardous Materials, including, without limitation, all federal or state superfund statutes or environmental clean-up statutes.



CHILDEV-01

JACKYB

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

6/29/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).


| | | |
|---|--|--------------|
| PRODUCER License # 0252636 United Agencies 2659 Townsgate Road, #103 Westlake Village, CA 91361 | CONTACT NAME: Tracy Davis | |
| | PHONE (A/C, No, Ext): _____ FAX (A/C, No): _____ E-MAIL ADDRESS: tdavis@westlakerisk.com | |
| INSURED Child Development Resources of Ventura County Inc. 221 Ventura Blvd. Oxnard, CA 93030 | INSURER(S) AFFORDING COVERAGE | NAIC # |
| | INSURER A : Philadelphia Indemnity Insurance Company | 18058 |
| | INSURER B : Insurance Company of the West | 27847 |
| | INSURER C : | |
| | INSURER D : | |
| | INSURER E : | |

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|----------|--|-----------|----------------|---------------|-------------------------|-------------------------|---|---------------|
| | | | | | | | | |
| A | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER: _____ | X | | PHPK1397842 | 09/26/2015 | 09/26/2016 | EACH OCCURRENCE | \$ 1,000,000 |
| | | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) | \$ 100,000 |
| | | | | | | | MED EXP (Any one person) | \$ 5,000 |
| | | | | | | | PERSONAL & ADV INJURY | \$ 1,000,000 |
| | | | | | | | GENERAL AGGREGATE | \$ 3,000,000 |
| | | | | | | | PRODUCTS - COMP/OP AGG | \$ 3,000,000 |
| | | | | | | | EMP BEN AGG | \$ 3,000,000 |
| A | <input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS | | | PHPK1397842 | 09/26/2015 | 09/26/2016 | COMBINED SINGLE LIMIT (Ea accident) | \$ 1,000,000 |
| | | | | | | | BODILY INJURY (Per person) | \$ |
| | | | | | | | BODILY INJURY (Per accident) | \$ |
| | | | | | | | PROPERTY DAMAGE (Per accident) | \$ |
| | | | | | | | | \$ |
| A | <input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000 | | | PHUB515807 | 09/26/2015 | 09/26/2016 | EACH OCCURRENCE | \$ 10,000,000 |
| | | | | | | | AGGREGATE | \$ |
| | | | | | | | | \$ |
| B | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | | Y / N N / A | WSD5026807-01 | 07/01/2015 | 07/01/2016 | PER STATUTE OTH-ER | |
| | | | | | | | E.L. EACH ACCIDENT | \$ 1,000,000 |
| | | | | | | | E.L. DISEASE - EA EMPLOYEE | \$ 1,000,000 |
| | | | | | | | E.L. DISEASE - POLICY LIMIT | \$ 1,000,000 |
| A | Professional Liab | | | PHPK1397842 | 09/26/2015 | 09/26/2016 | Per Occurrence | 1,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
RE: Projects at San Miguel, Haydock, Marina West, and Sierra Linda.
Oxnard School District is named additional insured with respect to the operations of the named insured.

| | |
|--|---|
| CERTIFICATE HOLDER Oxnard School District Attn: Noemi Valdes 1051 South A Street Oxnard, CA 93030 | CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. |
| | AUTHORIZED REPRESENTATIVE  |

Agreement #16-46

OXNARD SCHOOL DISTRICT
and
CHILD DEVELOPMENT RESOURCES OF VENTURA COUNTY, INC.

SITE LEASE OF REAL PROPERTY
FOR OPERATION OF **MARY CRAWFORD HEAD START** AT SAN MIGUEL SCHOOL [PROGRAM]

This Site Lease of Real Property (the Site Lease) is hereby made and entered into this 4th day of August, 2016 (Effective Date), by and between OXNARD SCHOOL DISTRICT, a California public school district in the County of Ventura, California (the District) and CHILD DEVELOPMENT RESOURCES OF VENTURA COUNTY, INC. (Lessee).

RECITALS

WHEREAS, the District operates and maintains an elementary school site at San Miguel Elementary School at 2400 South J Street in the City of Oxnard, California (the "School Site"); and

WHEREAS, the Lessee is in need of space to operate its Program (as set forth in Section 2.1 below) for the children and families within the District area; and

WHEREAS, the District has space appropriate for this need at the School Site; and

WHEREAS, the use of the facilities, grounds and outside playground equipment authorized by this Agreement will not be inconsistent with the District's use of the balance of the School Site as an elementary school;

NOW, THEREFORE, in consideration of the premises and covenants and conditions contained herein, the parties agree as follows:

Article I - Premises

Section 1.1 Premises

The leased real property that is the subject of this Site Lease consists of approximately 4,081 square feet located on the School Site (the "Premises") as described more completely in **Exhibit A** attached hereto and made a part of this Site Lease. The Lessee shall be entitled to install a portable classroom (the "Facility") on the Premises at its sole cost and expense. The Lessee shall be responsible for obtaining all legally necessary and required governmental approvals and authorizations related to the installation of the Facility, including without limitation, approval from the California Division of the State Architect ("DSA"). After receipt of written approval from DSA, the Lessee shall submit any changes resulting from the DSA approval process to the District for the District's written approval, which approval shall not be unreasonably withheld.

Section 1.2 Warranty of Title

The District warrants that it owns the site in fee simple and that the site is not burdened by any easements or restrictions which would prevent the use of the site for the purpose of this Agreement. The parties acknowledge that title to the Premises shall continue to be held by the District throughout the term of this lease.

Section 1.3 Relocation of Premises

As the owner of the Facility, the Lessee reserves the right to relocate the Facility, at its sole expense, upon ninety days prior notification to the District. Such relocation shall be conducted in a manner acceptable to the District, consent to which the District shall not unreasonably withhold, designed to minimize disruption to the operation of the District's elementary school operations on the School Site.

Article II - Use of Premises

Section 2.1 Permissible Uses

Lessee shall use the Premises to house and operate Mary Crawford Head Start (the Program) and for no other purpose unless mutually agreed to by the parties. Lessee will provide District, no later than July 31, 2016, a copy of the program instructional and staffing calendar for Program year 2016-2017.

Section 2.2 Suitability

Lessee acknowledges that neither the District nor any agent of the District has made any representation or warranty as to the suitability of the Premises for the conduct of Lessee's Program.

Section 2.3 Shared Use of School Site Facilities

Playground is shared, common playground area measures 8,750 square feet. Head Start staff use the restrooms in the district building adjacent to the Head Start facility.

Section 2.4 Parking

Currently, there are no parking spaces assigned to CDR.

Article III - Operation, Maintenance, Repair and Utilities

Section 3.1 Operation

In operating the Premises, the Lessee shall not allow the Premises to fall into a state of disrepair or present a hazard to the occupants of the Premises or the School Site.

Section 3.2 Maintenance

The Lessee shall maintain the Premises in a safe condition in conformance with all laws, rules, and regulations applicable to the use of the Premises by the Lessee or the District, whichever

standard is higher.

Section 3.3 Utilities

During the lease term, the Lessee shall provide, maintain, repair and pay for all utilities serving the Premises, including, but not limited to, gas, water, electricity, sewer, telephone and trash collection.

Lessee pays for own utilities and janitorial services.

Section 3.4 Repair

The Lessee shall be responsible for all repairs and maintenance of the Facility and the Premises (e.g., repairing heating and ventilation systems, the Facility, maintaining the Facility's equipment).

CDR provides only minimal weed abatement inside the fenced area around the Head Start classroom. CDR also provides sand for the sandbox.

Section 3.5 Equipment

The Lessee shall be responsible for providing any personal property, including equipment, appliances and furnishings required for the operation of the Facility.

Section 3.6 District Non-Responsibility

The District shall have no obligation whatsoever for costs incurred in the operation, maintenance and repair of the Facility or the Premises.

Section 3.7 Alterations

The Lessee shall not make any material alterations to the Premises without the prior written consent of the District.

Article IV – Term and Rent

Section 4.1 Initial/Extended Terms

The extended term of this Site Lease shall be **one (1) year, commencing on August 4, 2016 (the "Commencement Date") and ending June 30, 2017** unless terminated sooner under any provision of this Agreement (the "Term"). Lessee may have access to facility starting July 1, 2016.

Section 4.2 Extensions

Upon the completion of the initial Term of this Site Lease, the parties may agree to an extension of the Term. The parties agree to negotiate in good faith mutually agreeable terms and conditions for such an extension. If prior to the expiration of the initial Term, the Lessee notifies the

District that it wishes to extend the term, the District may, in its sole discretion, elect to give the Lessee alternative and equivalent premises at another school site within the District, provided that the District gives the Lessee not less than ninety days (90) prior written notice of its election to do so.

Section 4.3 Early Termination

Either party may terminate this lease for convenience upon one hundred twenty (120) days written notice. Lessee may terminate this lease upon sixty (60) days written notice in the event that funding for the Program ceases.

Section 4.4 Rent

Annual rent shall be One Dollar (\$1.00) per year, payable upon the Commencement Date. The District agrees to verify the difference between the actual rental value and the actual money paid in an annual third-party in kind contribution receipt, which is require by the Federal funding source and in no way implies a use of public funds for private purpose.

The District agrees to contribute in-kind land use fees \$999.00 per month to the Lessee.

Article V - Insurance

Section 5.1 Insurance

The Lessee shall, at the Lessee's sole expense, obtain and keep in force during the term of this Site Lease, the types and amounts of insurance shown on **EXHIBIT B** which is incorporated by reference herein and made a part of this Agreement. All insurance policies shall be subject to approval by the District as to form and content. Lessee agrees to provide District with copies of required policies upon request.

Article VI - Indemnification

Section 6.1 Indemnification

The Lessee shall indemnify, protect, defend and hold harmless District and any and all of its officials, elected board members, employees and agents ("Indemnified Parties") from and against any liability (including liability for claims, suits, actions, arbitration proceedings, administrative proceedings, regulatory proceedings, losses, expenses or costs of any kind, whether actual, alleged or threatened, including attorneys fees and costs, court costs, interest, defense costs, and expert witness fees), arising out of or in any way attributable to the ownership, use, occupancy, operation or maintenance of the Premises and/or the Facility or from the conduct of the Program or from any activity, work or things done, permitted or suffered by the Lessee, its agents, employees, or contractors in or about the Premises , and from and against any claims arising from a breach or default in the performance of any obligation on the Lessee's part to be performed under the terms of this Site Lease or arising from any negligence of the Lessee, its employees, agents, or contractors.

Article VII - Assignments

Section 7.1 Sublease or Assignment

The Lessee shall not subcontract, sublet or assign any of its rights or duties hereunder, in whole or in part, without the prior written consent of the District.

Section 7.2 Third Party Use

The Lessee shall not allow any other person and/or entity to use the Premises without the prior written notification of the District.

Article VIII - Breach and Termination

Section 8.1 Breach and Termination

In the event of any material breach or default of this Site Lease by either party, the other party may terminate this Site Lease and have no further obligations hereunder (save those set forth in this Article) if such default or breach continues for a period of forty-five (45) days after the breaching party receives written notice of the default or breach; provided, however, that if the nature of the default or breach is such that more than forty-five (45) days are reasonably required for its cure, then the non-breaching party shall not have the right to terminate this Site Lease if the breaching party commences such cure within the forty-five (45) day period and thereafter diligently prosecutes such cure to completion. Any written notice regarding a default or breach shall include a detailed explanation of the default or breach. The foregoing provisions are in addition to, and not a limitation of, any other rights or remedies available to the District and/or the Lessee.

Section 8.2 Termination for Cause

Either party may terminate this Site Lease for Cause. Cause shall include, without limitation, the following:

- (i) The Lessee is adjudged bankrupt;
- (ii) The Lessee makes a general assignment for the benefit of its creditors;
- (iii) A receiver is appointed on account of the Lessee's insolvency;
- (iv) If the Lessee has made any material misrepresentation of any nature in or with respect to any information or data furnished to the District in connection with the site;
- (v) If the District has made any material misrepresentation of any nature in or with respect to any information or data furnished to the Lessee in connection with the site;
- (vi) If any hazardous material is discovered on site; and the Lessee fails to take action as is required under this Agreement;
- (vii) If the Lessee ceases to use the Premises for the use specified herein for ninety (90) consecutive days or more.

Article IX - Inspection of Premises

Section 9.1 Inspection

The Lessee agrees to provide the District with a set of keys to the Premises for emergency repairs. The Lessee shall permit the District and its agents to enter the Premises at any reasonable time for the purpose of inspecting the same, performing the District's maintenance and repair responsibilities, or posting a notice of non-responsibility for alterations, additions or repairs. The District and its authorized agents and representatives shall have the right throughout the term of this Site Lease to enter the Premises at all reasonable times during usual business hours and upon reasonable notice for the purpose of inspecting the Premises.

Article X – Removal of Facility and Personal Property

Section 10.1 Removal of Facility

On or before the expiration of this Site Lease, or within thirty (30) days after any earlier termination of this Site Lease, the Lessee shall remove from the Premises the Facility in accordance with the provisions of Section 1.3 above relating to the manner of removal.

Section 10.2 Removal of Personal Property

On or before the expiration of this Site Lease, or within thirty (30) days after any earlier termination of this Site Lease, the Lessee shall remove from the Premises any furniture, equipment or other personal property ("Lessee's Personal Property") that it placed on the Premises that is not affixed to the Premises, at its sole expense.

Section 10.3 Repair

The Lessee shall repair any damage to the School Site, and/or the Premises, caused by removal of the Lessee's Facility and/or Personal Property and restore the School Site, and the Premises to good condition, less reasonable wear and tear.

Article XI - Independent Contractor

Section 11.1 Independent Contractor

Under no circumstances shall this Site Lease be construed as an agreement of partnership, joint venture, or employment between the District and the Lessee.

Section 11.2 No Authority

Each party acknowledges and agrees that it neither has, nor will it give the appearance or impression of having, any legal authority to bind or commit the other party in any way.

Article XII – Environmental Representations and Covenants

Section 12.1 Definitions

For purposes of this Site Lease, the terms “Hazardous Materials” and “Environmental Laws” shall have the meanings provided in the attached **Exhibit C**.

Section 12.2 District’s Representations

- (a) To the best of the District’s knowledge, both the School Site and the Premises are in compliance with all applicable Environmental laws.
- (b) Neither the District nor, to the District’s knowledge, any predecessor in interest to the District has received any written notice of violation issued pursuant to any Environmental Laws with respect to the School Site or the Premises or the land to be occupied by the Facility.

Section 12.3 Hazardous Materials

The District and the Lessee agree not to cause or permit any Hazardous Materials to be placed upon the School Site, Premises or in the Facility, except as permitted by law.

Article XII - Miscellaneous

Section 13.1 Amendments

No waiver, alteration or modification of any of the provisions of this Agreement shall be binding upon either the District or the Lessee unless the same shall be in writing and signed by both the District and the Lessee.

Section 13.2 Time of Essence

Time is of the essence in this Site Lease and each and all of its provisions.

Section 13.3 Notices

Any notices or filings required to be given or made under this Agreement shall be served, given or made in writing upon the District or the Lessee, as the case may be, by personal delivery or registered mail or overnight delivery service (with a copy sent via fax or regular mail) to the respective addresses given below or at such other address as such party may provide in accordance with the provisions herein. Any change in the addresses noted herein shall not be binding upon the other party unless preceded by no less than thirty (30) days prior written notice.

If to the Lessee:

Child Development Resources
221 E. Ventura Blvd.
Oxnard, CA 93036
Attn: Alec Hairabedian

If to the District:

Oxnard School District
Business & Fiscal Services
1051 S. "A" Street
Oxnard, CA 93030-7492
Attn: Lisa A. Franz

Any notice given by certified or registered mail shall be effective five (5) days after deposit in the United States mail. Any notice sent by overnight delivery service shall be effective the business day next following delivery thereof to the overnight delivery service. Any notice personally given shall be effective upon receipt.

Section 13.4 Force Majeure

If any party shall be delayed or prevented from the performance of any act required by this Lease by reason of acts of God, strikes, lockouts, labor troubles, or the inability to procure materials, without fault and beyond the reasonable control of the party obligated (financial inability excepted), performance of such act shall be excused for the period of the delay and the period for the performance of any such act shall be extended for a period equivalent to the period of such delay.

Section 13.5 Entire Agreement

This Agreement, including any exhibits hereto, constitutes the entire agreement between the parties with respect to the use of the Site by the Lessee and correctly sets forth the obligations of the District and the Lessee to each other as of the Commencement Date. Any agreements not expressly set forth in this Site Lease shall be null and void.

Section 13.6 Severability

If any one or more of the terms, covenants or conditions of this Agreement shall to any extent be declared invalid, unenforceable, void or voidable for any reason whatsoever by a court of competent jurisdiction, the finding or order or decree of which becomes final, none of the remaining terms, provisions, covenants and conditions of this Site Lease shall be affected thereby, and each provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law.

Section 13.7 Governing Law

This Agreement shall be construed in accordance with, and governed by, the laws of the State of California excluding its choice of law rules, and both parties agree that venue for any dispute arising under this Agreement shall be in Oxnard, California.

Section 13.8 Waiver

In no event shall any action by either party to this Site Lease constitute or be construed to be a waiver or any breach of covenants or conditions of this Site Lease or of any default which may then exist on the part of the other party, and the taking of any action while any breach or default exists, shall in no way impair or prejudice any right or remedy available to the non-breaching party with respect to such breach or default. The waiver by any party of one breach by any other party of any of

the provisions of this Site Lease shall not constitute a continuing waiver or a waiver of any subsequent breach either of the same or of another provision of this Site Lease.

Section 13.9 Headings

The headings of the sections of this Site Lease are merely for the convenience of the parties.

Section 13.10 Counterparts

This Site Lease may be signed in counterparts, each of which shall be deemed an original but all of which together shall constitute one and the same Site Lease.

Section 13.11 Successors and Assigns

This Site Lease shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, legal representatives, successors and assigns.

Section 13.12 Surrender of Lease

The voluntary or other surrender of this Site Lease by the Lessee, or a mutual cancellation thereof, shall, at the option of the District, shall terminate all or any existing subleases, or operate as an assignment to the District of any or all such subleases.

Section 13.13 Fingerprinting and Personnel Disclosure

Prior to entering or permitting entry by its employees, volunteers, agents and contractors onto the School Site for the purposes specified in this Site Lease, the Lessee shall be responsible for ensuring compliance with all applicable fingerprinting and criminal background investigation requirements described in California Education Code sections 45125.1 and 45125.2, which may be met under the fingerprinting provisions of Title 22 of the California Code of Regulations and applicable provisions of the California Health & Safety Code relevant to facility licensing (Health & Safety Code Sections 1500, et seq.) Lessee shall make available to District, no later than July 30, 2016, a current list of all personnel providing services under this Agreement. Changes to this list shall be immediately provided to DISTRICT in writing. The list shall include: (1) all full or part-time staff positions by title, including volunteer positions whose direct services are required to provide the services described herein, (2) a brief description of the functions of each such position, (3) the professional degree, if applicable, and experience required for each position, and (4) the name of the person responsible for fulfilling the terms of this Agreement.

Section 13.14 Non-Discrimination

The Lessee and the District shall not restrict the lease, use, occupancy, tenure, or enjoyment of the Premises, or any portion thereof, on the basis of sexual orientation, gender, marital status, race, color, religion, creed, national origin, or ancestry of any person.

Section 13.15 Cooperation with Other Occupants of Property

It is understood and recognized by the Lessee that the School Site, of which the Premises is a part, will be used by other parties, including the District, and Lessee shall cooperate with the other

parties in reaching amicable arrangements concerning such matters as use of the parking areas, playgrounds, policing of common areas, custodial services, and security issues.

Section 13.16 Attorneys Fees

In case suit should be brought for recovery of the Premises or for any sum due hereunder, or because of any act which may arise out of the possession of the Premises, by either party, the prevailing party shall be entitled to all costs incurred in connection with such action, including reasonable attorney's fees.

Section 13.17 Authority

Each person executing this Site Lease on behalf of a party hereto represents and warrants that he is duly and validly authorized to do so on behalf of such party, with full right and authority to execute this Agreement and to bind such party with respect to all of its obligations hereunder.

Section 13.18 Licenses and Standards

Lessee shall conform with all federal, state, county and local rules and regulations, including facility and professional licensing and certification laws, and shall keep in effect any and all licenses, permits, notices and certificates as are required for the duration of this Agreement. Lessee shall further comply with all laws applicable to wages and hours of employment, occupational safety, and fire safety, health and sanitation. Lessee shall provide District, no later than July 31, 2016, a copy of the Facility License issued by State of California Department of Social Services.

In the performance of this Agreement, Lessee shall comply with all applicable provisions of the California Welfare and Institutions Code, title 45 of the Code of Federal Regulations, all applicable laws and regulations of the United States, State of California, and DISTRICT and all administrative regulations, rules and policies adopted hereunder as each and all may now exist or be hereinafter amended or changed. In addition, Lessee shall comply with all rules and regulations set forth in Federal Office of Management and Budget (OMB) Super Circular as applicable to form of entity by which Lessee transacts its business.

IN WITNESS WHEREOF the parties hereto, intending to be legally bound thereby, have executed this Site Lease effective as of the date first above written.

DISTRICT:
OXNARD SCHOOL DISTRICT:

LESSEE:
**CHILD DEVELOPMENT RESOURCES OF
VENTURA COUNTY, INC.:**

By: _____
Lisa A. Franz
Director of Purchasing
Telephone: (805) 385-1501
Fax: (805) 240-7582

By: _____
Don Henniger
Chief Executive Officer
Telephone: (805) 485-7878
Fax: (805) 278-0775

(Contingent on Board of Trustee Approval)

EXHIBIT A

LEGAL DESCRIPTION OF KAMALA SCHOOL SITE

DESCRIPTION OF PREMISES

Part of Subdivision 39 as the same is designated and delineated upon the certain map entitled, "Map of Rancho El Rio de Santa Clara o' La Colonia, partitioned by order of Dist. Court 1st Jud. District, California, " and filed in the office of the County Clerk of Ventura County in that certain action entitled, "Thomas A. School, et al., Plffs. vs. Rafael Gonzales, et al., Defts." said action having been brought for the purpose of partitioning said Rancho El Rio de Santa Clara o' La Colonia, and more particularly described as follows:

Beginning at a point South 0° 01' West 160.00 feet from a point which bears South 89° 59' 30" West 238.00 feet from the Southwest corner of the Sea Grove Tract, as per map thereof recorded in book 15, page 71 of Maps in the office of the County Recorder of said county; thence,

1st: South 0° 01' West 678.52 feet to a point; thence

2nd: South 89° 59' 30" West 644.15 feet parallel with the northerly line of said Subdivision 39 and 838.52 feet therefrom, to a point in the East line of the land conveyed to Ignatz Friedrich by deed recorded in book 138, page 292 of Deeds; thence along said East line,

3rd: North 0° 01' East 678.52 feet to a point; thence,

4th: North 89° 59' 30" East 644.15 feet parallel with the said northerly line of Subdivision 39 and 160.00 feet therefrom to the point of beginning.

**EXHIBIT B
INSURANCE**

2.7 INSURANCE.

2.7.1 Lessee, at its sole cost and expense, shall obtain and maintain in full force, during the term of this Agreement, the following types of insurance:

2.7.1.1 Commercial General Liability "occurrence" coverage in the minimum amount of \$1,000,000 for bodily injury and property damage each occurrence and \$2,000,000 annual aggregate, including personal injury and advertising injury liability, \$1,000,000 aggregate, products/completed operations, and \$50,000 fire legal liability, if applicable.

2.7.1.2 Commercial Automobile Liability coverage in the minimum amount of \$1,000,000 combined single limit (CSL) bodily injury and property damage, including owned (if any, which requires symbol 1 coverage), non-owned and hired automobiles.

2.7.1.3 Workers' Compensation coverage, in full compliance with California statutory requirements, for all employees of Lessee and Employer's Liability in the minimum amount of \$1,000,000, and a waiver of subrogation in favor of DISTRICT.

2.7.1.4 Professional Liability coverage in the minimum amount of \$1,000,000 each claim and \$2,000,000 annual aggregate with a maximum deductible of \$2,500 per claim. Policy shall be maintained for one year after the end of the contract period.

2.7.1.5 Abuse and Molestation coverage of not less than one million dollars (\$1,000,000) per occurrence and three million dollars (\$3,000,000) Aggregate.

2.2.1.6 All the insurance companies providing coverage under this Agreement must be A.M. Best rated A, with the exception of the workers compensation insurance if provided by State Compensation Insurance Fund. Insurance coverage must be provided by California licensed and admitted carriers, with the exception of Professional Liability.

2.7.2 All insurance required under this Agreement shall be primary coverage as respects DISTRICT, and any insurance or self-insurance maintained by DISTRICT shall be in excess of Lessee's insurance coverage and shall not contribute to Lessee's coverage. DISTRICT is to be notified immediately if any aggregate insurance limit is exceeded. Additional coverage must be purchased to meet requirements.

2.7.3 The Oxnard School District is to be named as **Additional Insured** as respects work done by Lessee under the terms of this Agreement on all insurance required by this Agreement. However, this paragraph 2.7.3 shall not be construed to apply to Workers' Compensation coverage.

2.7.4 Policies shall not be canceled, non-renewed or reduced in scope of coverage until after sixty (60) days written notice has been given to the DISTRICT.

2.7.5 Lessee agrees to provide DISTRICT with the following insurance documents within 14 days after the execution of this Agreement:

2.7.5.1 Certificates of Insurance for coverage required under this Agreement

2.7.5.2 Additional insured endorsements; and

2.7.5.3 Thirty (30) days Notice Cancellation Clause endorsements.

EXHIBIT C

DEFINITION OF HAZARDOUS MATERIALS AND ENVIRONMENTAL LAWS

For purposes of this Site Lease, the term “**Hazardous Materials**” shall mean any and all (a) substances, products, by-products, waste, or other materials of any nature or kind whatsoever which is or becomes listed, regulated, or addressed under any Environmental Laws (defined below), and (b) any materials, substances, products, by-products, waste or other materials of any nature or kind whatsoever whose presence in and of itself or in combination with other materials, substances, products, by-products or waste may give rise to liability under any Environmental Law or any statutory or common law theory based on negligence, trespass, international, nuisance, strict or absolute liability or under any reported decisions of any state or federal court; and (c) any substance, product, by-product, waste, or any other material which may be hazardous or harmful to the air, water, soil, environment or affect industrial hygiene, occupational, health, safety and/or general welfare conditions, including without limitation, petroleum and/or asbestos materials, products, by-products, or waste.

For purposes of this Site Lease, the term “**Environmental Laws**” shall mean and include all federal, state, and local laws, statutes, ordinances, regulations, resolutions, decrees, and/or rules now or hereinafter in effect, as may be amended from time to time, and all implementing regulations, directives, orders, guidelines, and federal or state court decisions, interpreting, relating to, regulating or imposing liability (including, but not limited to, response, removal, remediation and damage costs) or standards of conduct or performance relating to industrial hygiene, occupational, health and/or safety conditions, environmental conditions, or exposure to, contamination by, or clean-up of any and all Hazardous Materials, including, without limitation, all federal or state superfund statutes or environmental clean-up statutes.

BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT **X**
SECTION D: ACTION _____
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Approval of Agreement #16-47 – Child Development Resources of Ventura County Inc. – Ground Lease for Marina West Head Start (Freeman/Thomas)

This agreement renews the Ground Lease terms between the Oxnard School District and Child Development Resources of Ventura County Inc. (CDR) for the Head Start Program at Marina West.

Term of the Ground Lease: August 4, 2016 to June 30, 2017

FISCAL IMPACT:

No cost to the Oxnard School District

RECOMMENDATION:

It is the recommendation of the Director, Curriculum, Instruction & Accountability, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement #16-47 with Child Development Resources of Ventura County Inc. for the Head Start Program at Marina West.

ADDITIONAL MATERIALS:

Attached: Agreement #16-47, Child Development Resources of Ventura County Inc. (13 Pages)
Certificate of Insurance (1 Page)

Agreement #16-47

OXNARD SCHOOL DISTRICT
and
CHILD DEVELOPMENT RESOURCES OF VENTURA COUNTY, INC.

SITE LEASE OF REAL PROPERTY
FOR OPERATION OF MARINA WEST HEAD START [PROGRAM]

This Site Lease of Real Property (the Site Lease) is hereby made and entered into this 4th day of August, 2016 (Effective Date), by and between OXNARD SCHOOL DISTRICT, a California public school district in the County of Ventura, California (the District) and CHILD DEVELOPMENT RESOURCES OF VENTURA COUNTY, INC. (Lessee).

RECITALS

WHEREAS, the District operates and maintains an elementary school site at Marina West Elementary School at 2501 Carob Street in the City of Oxnard, California (the "School Site"); and

WHEREAS, the Lessee is in need of space to operate its Program (as set forth in Section 2.1 below) for the children and families within the District area; and

WHEREAS, the District has space appropriate for this need at the School Site; and

WHEREAS, the use of the facilities, grounds and outside playground equipment authorized by this Agreement will not be inconsistent with the District's use of the balance of the School Site as an elementary school;

NOW, THEREFORE, in consideration of the premises and covenants and conditions contained herein, the parties agree as follows:

Article I - Premises

Section 1.1 Premises

The leased real property that is the subject of this Site Lease consists of approximately 4,300 square feet located on the School Site (the "Premises") as described more completely in **Exhibit A** attached hereto and made a part of this Site Lease. The Lessee shall be entitled to install a portable classroom (the "Facility") on the Premises at its sole cost and expense. The Lessee shall be responsible for obtaining all legally necessary and required governmental approvals and authorizations related to the installation of the Facility, including without limitation, approval from the California Division of the State Architect ("DSA"). After receipt of written approval from DSA, the Lessee shall submit any changes resulting from the DSA approval process to the District for the District's written approval, which approval shall not be unreasonably withheld.

Section 1.2 Warranty of Title

The District warrants that it owns the site in fee simple and that the site is not burdened by any easements or restrictions which would prevent the use of the site for the purpose of this Agreement. The parties acknowledge that title to the Premises shall continue to be held by the District throughout the term of this lease.

Section 1.3 Relocation of Premises

As the owner of the Facility, the Lessee reserves the right to relocate the Facility, at its sole expense, upon ninety days prior notification to the District. Such relocation shall be conducted in a manner acceptable to the District, consent to which the District shall not unreasonably withhold, designed to minimize disruption to the operation of the District's elementary school operations on the School Site.

Article II - Use of Premises

Section 2.1 Permissible Uses

Lessee shall use the Premises to house and operate Marina West Head Start (the Program) and for no other purpose unless mutually agreed to by the parties. Lessee will provide District, no later than July 31, 2016, a copy of the program instructional and staffing calendar for Program year 2016-2017.

Section 2.2 Suitability

Lessee acknowledges that neither the District nor any agent of the District has made any representation or warranty as to the suitability of the Premises for the conduct of Lessee's Program.

Section 2.3 Shared Use of School Site Facilities

Playground is shared, common playground area measures 7,020 square feet. Head Start staff use the restrooms in the Head Start facility.

Section 2.4 Parking

Currently, there are no parking spaces assigned to CDR.

Article III - Operation, Maintenance, Repair and Utilities

Section 3.1 Operation

In operating the Premises, the Lessee shall not allow the Premises to fall into a state of disrepair or present a hazard to the occupants of the Premises or the School Site.

Section 3.2 Maintenance

The Lessee shall maintain the Premises in a safe condition in conformance with all laws, rules, and regulations applicable to the use of the Premises by the Lessee or the District, whichever standard is higher.

Section 3.3 Utilities

During the lease term, the Lessee shall provide, maintain, repair and pay for all utilities serving the Premises, including, but not limited to, gas, water, electricity, sewer, telephone and trash collection.

Lessee pays for own utilities and janitorial services.

Section 3.4 Repair

The Lessee shall be responsible for all repairs and maintenance of the Facility and the Premises (e.g., repairing heating and ventilation systems, the Facility, maintaining the Facility's equipment).

CDR provides only minimal weed abatement inside the fenced area around the Head Start classroom. CDR also provides sand for the sandbox.

Section 3.5 Equipment

The Lessee shall be responsible for providing any personal property, including equipment, appliances and furnishings required for the operation of the Facility.

Section 3.6 District Non-Responsibility

The District shall have no obligation whatsoever for costs incurred in the operation, maintenance and repair of the Facility or the Premises.

Section 3.7 Alterations

The Lessee shall not make any material alterations to the Premises without the prior written consent of the District.

Article IV – Term and Rent

Section 4.1 Initial/Extended Terms

The extended term of this Site Lease shall be **one (1) year commencing on August 4, 2016 (the "Commencement Date") and ending June 30, 2017** unless terminated sooner under any provision of this Agreement (the "Term"). Lessee may have access to facility starting July 1, 2016.

Section 4.2 Extensions

Upon the completion of the initial Term of this Site Lease, the parties may agree to an extension of the Term. The parties agree to negotiate in good faith mutually agreeable terms and conditions for such an extension. If prior to the expiration of the initial Term, the Lessee notifies the District that it wishes to extend the term, the District may, in its sole discretion, elect to give the Lessee alternative and equivalent premises at another school site within the District, provided that the District gives the Lessee not less than ninety days (90) prior written notice of its election to do so.

Section 4.3 Early Termination

Either party may terminate this lease for convenience upon one hundred twenty (120) days written notice. Lessee may terminate this lease upon sixty (60) days written notice in the event that funding for the Program ceases.

Section 4.4 Rent

Annual rent shall be One Dollar (\$1.00) per year, payable upon the Commencement Date. The District agrees to verify the difference between the actual rental value and the actual money paid in an annual third-party in kind contribution receipt, which is require by the Federal funding source and in no way implies a use of public funds for private purpose.

The District agrees to contribute in-kind land use fees \$999.00 per month to the Lessee.

Article V - Insurance

Section 5.1 Insurance

The Lessee shall, at the Lessee's sole expense, obtain and keep in force during the term of this Site Lease, the types and amounts of insurance shown on **EXHIBIT B** which is incorporated by reference herein and made a part of this Agreement. All insurance policies shall be subject to approval by the District as to form and content. Lessee agrees to provide District with copies of required policies upon request.

Article VI - Indemnification

Section 6.1 Indemnification

The Lessee shall indemnify, protect, defend and hold harmless District and any and all of its officials, elected board members, employees and agents ("Indemnified Parties") from and against any liability (including liability for claims, suits, actions, arbitration proceedings, administrative proceedings, regulatory proceedings, losses, expenses or costs of any kind, whether actual, alleged or threatened, including attorneys fees and costs, court costs, interest, defense costs, and expert witness fees), arising out of or in any way attributable to the ownership, use, occupancy, operation or maintenance of the Premises and/or the Facility or from the conduct of the Program or from any activity, work or things done, permitted or suffered by the Lessee, its agents, employees, or contractors in or about the Premises , and from and against any claims arising from a breach or default in the performance of any obligation on the Lessee's part to be performed under the terms of this Site Lease or arising from any negligence of the Lessee, its employees, agents, or contractors.

Article VII - Assignments

Section 7.1 Sublease or Assignment

The Lessee shall not subcontract, sublet or assign any of its rights or duties hereunder, in whole or in part, without the prior written consent of the District.

Section 7.2 Third Party Use

The Lessee shall not allow any other person and/or entity to use the Premises without the prior written notification of the District.

Article VIII - Breach and Termination

Section 8.1 Breach and Termination

In the event of any material breach or default of this Site Lease by either party, the other party may terminate this Site Lease and have no further obligations hereunder (save those set forth in this Article) if such default or breach continues for a period of forty-five (45) days after the breaching party receives written notice of the default or breach; provided, however, that if the nature of the default or breach is such that more than forty-five (45) days are reasonably required for its cure, then the non-breaching party shall not have the right to terminate this Site Lease if the breaching party commences such cure within the forty-five (45) day period and thereafter diligently prosecutes such cure to completion. Any written notice regarding a default or breach shall include a detailed explanation of the default or breach. The foregoing provisions are in addition to, and not a limitation of, any other rights or remedies available to the District and/or the Lessee.

Section 8.2 Termination for Cause

Either party may terminate this Site Lease for Cause. Cause shall include, without limitation, the following:

- (i) The Lessee is adjudged bankrupt;
- (ii) The Lessee makes a general assignment for the benefit of its creditors;
- (iii) A receiver is appointed on account of the Lessee's insolvency;
- (iv) If the Lessee has made any material misrepresentation of any nature in or with respect to any information or data furnished to the District in connection with the site;
- (v) If the District has made any material misrepresentation of any nature in or with respect to any information or data furnished to the Lessee in connection with the site;
- (vi) If any hazardous material is discovered on site; and the Lessee fails to take action as is required under this Agreement;
- (vii) If the Lessee ceases to use the Premises for the use specified herein for ninety (90) consecutive days or more.

Article IX - Inspection of Premises

Section 9.1 Inspection

The Lessee agrees to provide the District with a set of keys to the Premises for emergency repairs. The Lessee shall permit the District and its agents to enter the Premises at any reasonable

time for the purpose of inspecting the same, performing the District's maintenance and repair responsibilities, or posting a notice of non-responsibility for alterations, additions or repairs. The District and its authorized agents and representatives shall have the right throughout the term of this Site Lease to enter the Premises at all reasonable times during usual business hours and upon reasonable notice for the purpose of inspecting the Premises.

Article X – Removal of Facility and Personal Property

Section 10.1 Removal of Facility

On or before the expiration of this Site Lease, or within thirty (30) days after any earlier termination of this Site Lease, the Lessee shall remove from the Premises the Facility in accordance with the provisions of Section 1.3 above relating to the manner of removal.

Section 10.2 Removal of Personal Property

On or before the expiration of this Site Lease, or within thirty (30) days after any earlier termination of this Site Lease, the Lessee shall remove from the Premises any furniture, equipment or other personal property ("Lessee's Personal Property") that it placed on the Premises that is not affixed to the Premises, at its sole expense.

Section 10.3 Repair

The Lessee shall repair any damage to the School Site, and/or the Premises, caused by removal of the Lessee's Facility and/or Personal Property and restore the School Site, and the Premises to good condition, less reasonable wear and tear.

Article XI - Independent Contractor

Section 11.1 Independent Contractor

Under no circumstances shall this Site Lease be construed as an agreement of partnership, joint venture, or employment between the District and the Lessee.

Section 11.2 No Authority

Each party acknowledges and agrees that it neither has, nor will it give the appearance or impression of having, any legal authority to bind or commit the other party in any way.

Article XII – Environmental Representations and Covenants

Section 12.1 Definitions

For purposes of this Site Lease, the terms "Hazardous Materials" and "Environmental Laws" shall have the meanings provided in the attached **Exhibit C**.

Section 12.2 District's Representations

- (a) To the best of the District's knowledge, both the School Site and the Premises are in compliance with all applicable Environmental laws.
- (b) Neither the District nor, to the District's knowledge, any predecessor in interest to the District has received any written notice of violation issued pursuant to any Environmental Laws with respect to the School Site or the Premises or the land to be occupied by the Facility.

Section 12.3 Hazardous Materials

The District and the Lessee agree not to cause or permit any Hazardous Materials to be placed upon the School Site, Premises or in the Facility, except as permitted by law.

Article XII - Miscellaneous

Section 13.1 Amendments

No waiver, alteration or modification of any of the provisions of this Agreement shall be binding upon either the District or the Lessee unless the same shall be in writing and signed by both the District and the Lessee.

Section 13.2 Time of Essence

Time is of the essence in this Site Lease and each and all of its provisions.

Section 13.3 Notices

Any notices or filings required to be given or made under this Agreement shall be served, given or made in writing upon the District or the Lessee, as the case may be, by personal delivery or registered mail or overnight delivery service (with a copy sent via fax or regular mail) to the respective addresses given below or at such other address as such party may provide in accordance with the provisions herein. Any change in the addresses noted herein shall not be binding upon the other party unless preceded by no less than thirty (30) days prior written notice.

If to the Lessee:

Child Development Resources
221 E. Ventura Blvd.
Oxnard, CA 93036
Attn: Alec Hairabedian

If to the District:

Oxnard School District
Business & Fiscal Services
1051 S. "A" Street
Oxnard, CA 93030-7492
Attn: Lisa A. Franz

Any notice given by certified or registered mail shall be effective five (5) days after deposit in the United States mail. Any notice sent by overnight delivery service shall be effective the business day next following delivery thereof to the overnight delivery service. Any notice personally given shall be effective upon receipt.

Section 13.4 Force Majeure

If any party shall be delayed or prevented from the performance of any act required by this Lease by reason of acts of God, strikes, lockouts, labor troubles, or the inability to procure materials, without fault and beyond the reasonable control of the party obligated (financial inability excepted), performance of such act shall be excused for the period of the delay and the period for the performance of any such act shall be extended for a period equivalent to the period of such delay.

Section 13.5 Entire Agreement

This Agreement, including any exhibits hereto, constitutes the entire agreement between the parties with respect to the use of the Site by the Lessee and correctly sets forth the obligations of the District and the Lessee to each other as of the Commencement Date. Any agreements not expressly set forth in this Site Lease shall be null and void.

Section 13.6 Severability

If any one or more of the terms, covenants or conditions of this Agreement shall to any extent be declared invalid, unenforceable, void or voidable for any reason whatsoever by a court of competent jurisdiction, the finding or order or decree of which becomes final, none of the remaining terms, provisions, covenants and conditions of this Site Lease shall be affected thereby, and each provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law.

Section 13.7 Governing Law

This Agreement shall be construed in accordance with, and governed by, the laws of the State of California excluding its choice of law rules, and both parties agree that venue for any dispute arising under this Agreement shall be in Oxnard, California.

Section 13.8 Waiver

In no event shall any action by either party to this Site Lease constitute or be construed to be a waiver or any breach of covenants or conditions of this Site Lease or of any default which may then exist on the part of the other party, and the taking of any action while any breach or default exists, shall in no way impair or prejudice any right or remedy available to the non-breaching party with respect to such breach or default. The waiver by any party of one breach by any other party of any of the provisions of this Site Lease shall not constitute a continuing waiver or a waiver of any subsequent breach either of the same or of another provision of this Site Lease.

Section 13.9 Headings

The headings of the sections of this Site Lease are merely for the convenience of the parties.

Section 13.10 Counterparts

This Site Lease may be signed in counterparts, each of which shall be deemed an original but all of which together shall constitute one and the same Site Lease.

Section 13.11 Successors and Assigns

This Site Lease shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, legal representatives, successors and assigns.

Section 13.12 Surrender of Lease

The voluntary or other surrender of this Site Lease by the Lessee, or a mutual cancellation thereof, shall, at the option of the District, shall terminate all or any existing subleases, or operate as an assignment to the District of any or all such subleases.

Section 13.13 Fingerprinting and Personnel Disclosure

Prior to entering or permitting entry by its employees, volunteers, agents and contractors onto the School Site for the purposes specified in this Site Lease, the Lessee shall be responsible for ensuring compliance with all applicable fingerprinting and criminal background investigation requirements described in California Education Code sections 45125.1 and 45125.2, which may be met under the fingerprinting provisions of Title 22 of the California Code of Regulations and applicable provisions of the California Health & Safety Code relevant to facility licensing (Health & Safety Code Sections 1500, et seq.) Lessee shall make available to District, no later than July 30, 2016, a current list of all personnel providing services under this Agreement. Changes to this list shall be immediately provided to DISTRICT in writing. The list shall include: (1) all full or part-time staff positions by title, including volunteer positions whose direct services are required to provide the services described herein, (2) a brief description of the functions of each such position, (3) the professional degree, if applicable, and experience required for each position, and (4) the name of the person responsible for fulfilling the terms of this Agreement.

Section 13.14 Non-Discrimination

The Lessee and the District shall not restrict the lease, use, occupancy, tenure, or enjoyment of the Premises, or any portion thereof, on the basis of sexual orientation, gender, marital status, race, color, religion, creed, national origin, or ancestry of any person.

Section 13.15 Cooperation with Other Occupants of Property

It is understood and recognized by the Lessee that the School Site, of which the Premises is a part, will be used by other parties, including the District, and Lessee shall cooperate with the other parties in reaching amicable arrangements concerning such matters as use of the parking areas, playgrounds, policing of common areas, custodial services, and security issues.

Section 13.16 Attorneys Fees

In case suit should be brought for recovery of the Premises or for any sum due hereunder, or because of any act which may arise out of the possession of the Premises, by either party, the prevailing party shall be entitled to all costs incurred in connection with such action, including

reasonable attorney's fees.

Section 13.17 Authority

Each person executing this Site Lease on behalf of a party hereto represents and warrants that he is duly and validly authorized to do so on behalf of such party, with full right and authority to execute this Agreement and to bind such party with respect to all of its obligations hereunder.

Section 13.18 Licenses and Standards

Lessee shall conform with all federal, state, county and local rules and regulations, including facility and professional licensing and certification laws, and shall keep in effect any and all licenses, permits, notices and certificates as are required for the duration of this Agreement. Lessee shall further comply with all laws applicable to wages and hours of employment, occupational safety, and fire safety, health and sanitation. Lessee shall provide District, no later than July 30, 2016, a copy of the Facility License issued by State of California Department of Social Services.

In the performance of this Agreement, Lessee shall comply with all applicable provisions of the California Welfare and Institutions Code, title 45 of the Code of Federal Regulations, all applicable laws and regulations of the United States, State of California, and DISTRICT and all administrative regulations, rules and policies adopted hereunder as each and all may now exist or be hereinafter amended or changed. In addition, Lessee shall comply with all rules and regulations set forth in Federal Office of Management and Budget (OMB) Super Circular as applicable to form of entity by which Lessee transacts its business.

IN WITNESS WHEREOF the parties hereto, intending to be legally bound thereby, have executed this Site Lease effective as of the date first above written.

DISTRICT:
OXNARD SCHOOL DISTRICT

LESSEE:
**CHILD DEVELOPMENT RESOURCES OF
VENTURA COUNTY, INC.**

By: _____
Lisa A. Franz
Director of Purchasing
Telephone: (805) 385-1501
Fax: (805) 240-7582

By: _____
Don Henniger
Chief Executive Officer
Telephone: (805) 485-7878
Fax: (805) 278-0775

(Contingent on Board of Trustee Approval)

EXHIBIT A

LEGAL DESCRIPTION OF MARINA WEST SCHOOL SITE

DESCRIPTION OF PREMISES

A portion of Lots 61 and 62 of the Patterson Ranch Subdivision, in the City of Oxnard, County of Ventura, State of California as said lot is designated and delineated on that certain map recorded in the office of the County Recorder of said County in Book 8 of Miscellaneous Records (Maps) at page 1 et seq., more particularly described as follows:

Beginning at the intersection of the northerly line of Carob Street thirty (30) feet wide with the westerly line of McLoughlin Street thirty (30) feet wide as said Streets are shown on the map of Tract No. 1382, recorded in Book 31 of Miscellaneous Records (Maps) at page 98 et seq.; thence,

1st – Northerly along the westerly line of said McLoughlin Street to a point in the northerly line of said Lot 61; thence,

2nd – Westerly along said northerly line and the northerly line of said Lot 62 to a point in a line parallel with and distant 130.00 feet easterly of measured at right angles from the northerly prolongation of the center-line of Elsinore Avenue sixty (60) feet wide as shown on said map recorded in Book 31 of Miscellaneous Records (Maps) at page 98 et seq.; thence,

3rd – Southerly along said parallel line to a point in the northerly line of the hereinabove mentioned Carob Street thirty (30) feet wide; thence,

4th – Easterly along said northerly line to the point of beginning.

Containing 11.628 acres.

**EXHIBIT B
INSURANCE**

2.7 INSURANCE.

- 2.7.1 Lessee, at its sole cost and expense, shall obtain and maintain in full force, during the term of this Agreement, the following types of insurance:
- 2.7.1.1 Commercial General Liability "occurrence" coverage in the minimum amount of \$1,000,000 for bodily injury and property damage each occurrence and \$2,000,000 annual aggregate, including personal injury and advertising injury liability, \$1,000,000 aggregate , products/completed operations, and \$50,000 fire legal liability, if applicable.
 - 2.7.1.2 Commercial Automobile Liability coverage in the minimum amount of \$1,000,000 combined single limit (CSL) bodily injury and property damage, including owned (if any, which requires symbol 1 coverage), non-owned and hired automobiles.
 - 2.7.1.3 Workers' Compensation coverage, in full compliance with California statutory requirements, for all employees of Lessee and Employer's Liability in the minimum amount of \$1,000,000, and a waiver of subrogation in favor of DISTRICT.
 - 2.7.1.4 Professional Liability coverage in the minimum amount of \$1,000,000 each claim and \$2,000,000 annual aggregate with a maximum deductible of \$2,500 per claim. Policy shall be maintained for one year after the end of the contract period.
 - 2.7.1.5 Abuse and Molestation coverage of not less than one million dollars (\$1,000,000) per occurrence and three million dollars (\$3,000,000) Aggregate.
 - 2.2.1.6 All the insurance companies providing coverage under this Agreement must be A.M. Best rated A, with the exception of the workers compensation insurance if provided by State Compensation Insurance Fund. Insurance coverage must be provided by California licensed and admitted carriers, with the exception of Professional Liability.
- 2.7.2 All insurance required under this Agreement shall be primary coverage as respects DISTRICT, and any insurance or self-insurance maintained by DISTRICT shall be in excess of Lessee's insurance coverage and shall not contribute to Lessee's coverage. DISTRICT is to be notified immediately if any aggregate insurance limit is exceeded. Additional coverage must be purchased to meet requirements.
- 2.7.3 The Oxnard School District is to be named as **Additional Insured** as respects work done by Lessee under the terms of this Agreement on all insurance required by this Agreement. However, this paragraph 2.7.3 shall not be construed to apply to Workers' Compensation coverage.
- 2.7.4 Policies shall not be canceled, non-renewed or reduced in scope of coverage until after sixty (60) days written notice has been given to the DISTRICT.
- 2.7.5 Lessee agrees to provide DISTRICT with the following insurance documents within 14 days after the execution of this Agreement:
- 2.7.5.1 Certificates of Insurance for coverage required under this Agreement
 - 2.7.5.2 Additional insured endorsements; and
 - 2.7.5.3 Thirty (30) days Notice Cancellation Clause endorsements.

EXHIBIT C

DEFINITION OF HAZARDOUS MATERIALS AND ENVIRONMENTAL LAWS

For purposes of this Site Lease, the term “**Hazardous Materials**” shall mean any and all (a) substances, products, by-products, waste, or other materials of any nature or kind whatsoever which is or becomes listed, regulated, or addressed under any Environmental Laws (defined below), and (b) any materials, substances, products, by-products, waste or other materials of any nature or kind whatsoever whose presence in and of itself or in combination with other materials, substances, products, by-products or waste may give rise to liability under any Environmental Law or any statutory or common law theory based on negligence, trespass, international, nuisance, strict or absolute liability or under any reported decisions of any state or federal court; and (c) any substance, product, by-product, waste, or any other material which may be hazardous or harmful to the air, water, soil, environment or affect industrial hygiene, occupational, health, safety and/or general welfare conditions, including without limitation, petroleum and/or asbestos materials, products, by-products, or waste.

For purposes of this Site Lease, the term “**Environmental Laws**” shall mean and include all federal, state, and local laws, statutes, ordinances, regulations, resolutions, decrees, and/or rules now or hereinafter in effect, as may be amended from time to time, and all implementing regulations, directives, orders, guidelines, and federal or state court decisions, interpreting, relating to, regulating or imposing liability (including, but not limited to, response, removal, remediation and damage costs) or standards of conduct or performance relating to industrial hygiene, occupational, health and/or safety conditions, environmental conditions, or exposure to, contamination by, or clean-up of any and all Hazardous Materials, including, without limitation, all federal or state superfund statutes or environmental clean-up statutes.

BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT **X**
SECTION D: ACTION _____
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Approval of Agreement/MOU #16-48 – Child Development Resources of Ventura County Inc. – Marina West NfL Preschool 2016-17 (Freeman/Thomas)

This Agreement/MOU confirms the partnership between Oxnard School District (OSD) and Child Development Resources of Ventura County Inc. (CDR). The establishment of this partnership makes it possible for each Agency to use their resources to benefit the children of Oxnard School District by providing young children with the Head Start/State Preschool services at Marina West NfL Preschool for the 2016-2017 school year.

Term of the Agreement/MOU: August 4, 2016 to June 30, 2017

FISCAL IMPACT:

No cost to the Oxnard School District

RECOMMENDATION:

It is the recommendation of the Director, Curriculum, Instruction & Accountability, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement/MOU #16-48 with Child Development Resources of Ventura County Inc.

ADDITIONAL MATERIALS:

Attached: Agreement/MOU #16-48, Child Development Resources of Ventura County Inc. (2 Pages)
Exhibit A Reporting Timeline (1 Page)
Certificate of Insurance (1 Page)

Agreement/Memorandum of Understanding #16-48

Oxnard School District & Child Development Resources of Ventura County, Inc.

This Memorandum of Understanding (MOU) explains and confirms the agreement between Oxnard School District (OSD) and Child Development Resources of Ventura County, Inc. (CDR). The establishment of this partnership makes it possible for each Agency to use their resources to benefit the children of Oxnard School District by providing them with Head Start/State Preschool services.

Memorandum of Understanding Purpose:

It is the purpose of this MOU to establish a cooperative and mutually beneficial relationship between OSD and CDR and to define responsibilities of the Agencies as they relate to providing high quality child development services for **Marina West NfL Preschool** located on the campus of Marina West Elementary School and within the boundaries of Oxnard School District. The facilities of **Marina West NfL Preschool** will be used to provide half day year round services of the Head Start/State Preschool option. Instructional calendar begins September 1, 2016. CDR staff may occupy facility starting July 1, 2016 prior to first day of instruction.

Memorandum of Understanding Term:

This MOU will be in effect from **August 4, 2016 through June 30, 2017**, with optional renewal in the subsequent year(s), if parties mutually agree and classroom space is available for use by CDR. OSD will notify CDR of the intent to renew MOU for 2017-2018 no later than April 30, 2017.

Memorandum of Understanding Agreement and Description of Services:

The Oxnard School District will provide the following:

1. Provide the use of one classroom in the Marina West NfL Preschool facility to accommodate up to 30 children.
2. Provide the use of a shared playground at Marina West NfL Preschool.
3. Provide custodial services five days per week and facility maintenance services when needed while the Head Start/State Preschool program is operational. Preschool will be operational Monday thru Friday from 7 a.m. – 6 p.m. Custodial services are funded by the Oxnard NfL budget.

Child Development Resources of Ventura County, Inc. agrees to:

1. Implement a Head Start/State Preschool half day program for up to 30 children; 185 instructional days per year.
2. Provide teaching staff and instructional assistants to provide intensive educational services to the children attending the Head Start/State Preschool option to be offered at Marina West NfL Preschool facility.
3. Incorporate Head Start wrap around comprehensive services to children enrolled in the Head Start/State Preschool option at Marina West NfL Preschool.

4. Participate in Rising Stars: Quality Rating Improvement System coordinated by Ventura County Office of Education, and to provide Oxnard School District with a copy of the Rising Stars rating.
5. Participate in First 5 data collection, research and evaluation studies designed to show the effectiveness of CDR services or to provide information about CDR's program. See Exhibit A Reporting Timeline
6. Continue to perform outreach to the Marina West neighborhood for enrollment eligibility.
7. No later than July 31, 2016, provide OSD with a copy of Community Care Licensing license certificate.
8. No later than July 31, 2016, provide OSD with a list of personnel at the site.
9. No later than July 31, 2016, provide OSD with a certificate of Insurance (General Liability, Workman's Comp, Abuse/Molestation) naming the Oxnard School District as "additional insured". "Additional Insured" evidenced by Endorsement number and a copy of the Endorsement on all Liability coverage.
10. No later than July 31, 2016, provide OSD with an instructional calendar.

Lisa A. Franz, Director, Purchasing
Oxnard School District

Date

Mr. Don Henniger, Chief Executive Officer
Child Development Resources of Ventura County, Inc.

Date

CHILD DEVELOPMENT RESOURCES OF VENTURA COUNTY, INC.
MARINA WEST NfL PRESCHOOL

Term: August 4, 2016 to June 30, 2017

REPORTING TIMELINE

- *Narrative Progress Reports are due Quarterly*
- *Participant & Service Counts/Data are due monthly*
- *Parent Surveys and Evaluation surveys are due as specified by First 5 implementation guidelines*
- *Core Intake forms are due monthly as new families enter programs*

| Reporting Period | Invoice/Report Due | Due Date |
|--|---|---------------------|
| July 1, 2016 – July 31, 2016 | Month 1 Intakes | August 15, 2016 |
| August 1, 2016 – August 31, 2016 | Month 2 Intakes | September 15, 2016 |
| September 1, 2016 – September 30, 2016 | Month 3 Intakes, Attendance Reports, and Quarter 1 Narrative | October 15, 2016 |
| October 1, 2016 – October 31, 2016 | Month 4 Intakes and Attendance Reports | November 15, 2016 |
| November 1, 2016 – November 30, 2016 | Month 5 Intakes, Attendance Reports, and DRDPs for each student | December 15, 2016 |
| December 1, 2016 – December 31, 2016 | Month 6 Intakes, Attendance Reports, and Quarter 2 Narrative | January 15, 2017 |
| January 1, 2017 – January 31, 2017 | Month 7 Intakes and Attendance Reports | February 15, 2017 |
| February 1, 2017 – February 28, 2017 | Month 8 Intakes and Attendance Reports | March 15, 2017 |
| March 1, 2017 – March 31, 2017 | Month 9 Intakes and Attendance Reports, and Quarter 3 Narrative | April 15, 2017 |
| April 1, 2017 – April 30, 2017 | Month 10 Intakes and Attendance Reports | May 15, 2017 |
| May 1, 2017 – May 31, 2017 | Month 11 Intakes and Attendance Reports, and DRDP for each Student | June 15, 2017 |
| June 1, 2017 – June 30, 2017 | Month 12 Intakes and Attendance Reports, and Quarter 4 Narrative Report | July 7, 2017 |

Submit to:

Oxnard School District
 1051 South A Street
 Oxnard, California 93030

Attn: Noemi Valdes
 Director of Early Childhood Education Programs

BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT **X**
SECTION D: ACTION _____
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Approval of Agreement/MOU #16-49 – Child Development Resources of Ventura County Inc. – Sierra Linda NfL Preschool 2016-2017 (Freeman/Thomas)

This Agreement/MOU confirms the partnership between Oxnard School District and Child Development Resources of Ventura County Inc. (CDR). The establishment of this partnership makes it possible for each agency to use their resources to benefit the children of Oxnard School District by providing young children with the Head Start services at Sierra Linda NfL Preschool for the 2016-2017 school year.

Term of the Agreement/MOU: **August 4, 2016 to June 30, 2017**

FISCAL IMPACT:

No cost to the Oxnard School District

RECOMMENDATION:

It is the recommendation of the Director, Curriculum, Instruction & Accountability, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement/MOU #16-49 with Child Development Resources of Ventura County Inc.

ADDITIONAL MATERIALS:

Attached: Agreement/MOU #16-49, Child Development Resources of Ventura County Inc. (2 Pages)
 Exhibit A Reporting Timeline (1 Page)
 Certificate of Insurance (1 Page)

Agreement/Memorandum of Understanding #16-49

Oxnard School District & Child Development Resources of Ventura County, Inc.

This Memorandum of Understanding (MOU) explains and confirms the agreement between Oxnard School District (OSD) and Child Development Resources of Ventura County, Inc. (CDR). The establishment of this partnership makes it possible for each Agency to use their resources to benefit the children of Oxnard School District by providing them with Head Start/State Preschool services.

Memorandum of Understanding Purpose:

It is the purpose of this MOU to establish a cooperative and mutually beneficial relationship between OSD and CDR and to define responsibilities of the Agencies as they relate to providing high quality child development services for **Sierra Linda NfL Preschool** located on the campus of Sierra Linda Elementary School and within the boundaries of Oxnard School District. The facilities of **Sierra Linda NfL Preschool** will be used to provide half day and/or full year round services of the Head Start/State Preschool option. Instructional calendar begins September 1, 2016. CDR staff may occupy facility starting July 1, 2016 prior to first day of instruction.

Memorandum of Understanding Term:

This MOU will be in effect from **August 4, 2016 through June 30, 2017**, with optional renewal in the subsequent year(s), if parties mutually agree and classroom space is available for use by CDR. OSD will notify CDR of the intent to renew MOU for 2017-2018 no later than April 30, 2017.

Memorandum of Understanding Agreement and Description of Services:

The Oxnard School District will provide the following:

1. Provide the use of two classrooms in the Sierra Linda NfL Preschool facility to accommodate up to 52 children.
2. Provide the use of a shared playground at Sierra Linda NfL Preschool.
3. Provide custodial services five days per week and facility maintenance services when needed while the Head Start/State Preschool program is operational. Preschool will be operational Monday thru Friday from 7 a.m. – 6 p.m. Custodial services are funded by the Oxnard NfL budget.

Child Development Resources of Ventura County, Inc. agrees to:

1. Implement a Head Start/State Preschool half day and/or full day program for up to 52 children; Session F (full day) for 177 days per school year, and Sessions A/C (half-day) for 128 days per year.
2. Provide teaching staff and instructional assistants to provide intensive educational services to the children attending the Head Start/State Preschool option to be offered at Sierra Linda NfL Preschool facility.
3. Incorporate Head Start wrap around comprehensive services to children enrolled in the Head Start/State Preschool option at Sierra Linda NfL Preschool.

4. Participate in Rising Stars: Quality Rating Improvement System coordinated by Ventura County Office of Education, and to provide Oxnard School District with a copy of the Rising Stars rating.
5. Participate in First 5 data collection, research and evaluation studies designed to show the effectiveness of CDR services or to provide information about CDR's program. See Exhibit A Reporting Timeline.
6. Continue to perform outreach to the Sierra Linda neighborhood for enrollment eligibility.
7. No later than July 31, 2016, provide OSD with a copy of Community Care Licensing license certificate.
8. No later than July 31, 2016, provide OSD with a list of personnel at the site.
9. No later than July 31, 2016, provide OSD with a certificate of Insurance (General Liability, Workman's Comp, Abuse/Molestation) naming the Oxnard School District as "additional insured". "Additional Insured" evidenced by Endorsement number and a copy of the Endorsement on all Liability coverage.
10. No later than July 31, 2016, provide OSD with an instructional calendar.

Lisa A. Franz, Director, Purchasing
Oxnard School District

Date

Mr. Don Henniger, Chief Executive Officer
Child Development Resources of Ventura County, Inc.

Date

CHILD DEVELOPMENT RESOURCES OF VENTURA COUNTY, INC..
SIERRA LINDA NfL PRESCHOOL

Term: August 4, 2016 to June 30, 2017

REPORTING TIMELINE

- *Narrative Progress Reports are due Quarterly*
- *Participant & Service Counts/Data are due monthly*
- *Parent Surveys and Evaluation surveys are due as specified by First 5 implementation guidelines*
- *Core Intake forms are due monthly as new families enter programs*

| Reporting Period | Invoice/Report Due | Due Date |
|--|---|---------------------|
| July 1, 2016 – July 31, 2016 | Month 1 Intakes | August 15, 2016 |
| August 1, 2016 – August 31, 2016 | Month 2 Intakes | September 15, 2016 |
| September 1, 2016 – September 30, 2016 | Month 3 Intakes, Attendance Reports, and Quarter 1 Narrative | October 15, 2016 |
| October 1, 2016 – October 31, 2016 | Month 4 Intakes and Attendance Reports | November 15, 2016 |
| November 1, 2016 – November 30, 2016 | Month 5 Intakes, Attendance Reports, and DRDPs for each student | December 15, 2016 |
| December 1, 2016 – December 31, 2016 | Month 6 Intakes, Attendance Reports, and Quarter 2 Narrative | January 15, 2017 |
| January 1, 2017 – January 31, 2017 | Month 7 Intakes and Attendance Reports | February 15, 2017 |
| February 1, 2017 – February 28, 2017 | Month 8 Intakes and Attendance Reports | March 15, 2017 |
| March 1, 2017 – March 31, 2017 | Month 9 Intakes and Attendance Reports, and Quarter 3 Narrative | April 15, 2017 |
| April 1, 2017 – April 30, 2017 | Month 10 Intakes and Attendance Reports | May 15, 2017 |
| May 1, 2017 – May 31, 2017 | Month 11 Intakes and Attendance Reports, and DRDP for each Student | June 15, 2017 |
| June 1, 2017 – June 30, 2017 | Month 12 Intakes and Attendance Reports, and Quarter 4 Narrative Report | July 7, 2017 |

Submit to:

Oxnard School District
 1051 South A Street
 Oxnard, California 93030

Attn: Noemi Valdes
 Director of Early Childhood Education Programs

BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____

CLOSED SESSION _____

SECTION B: HEARINGS _____

SECTION C: CONSENT X

SECTION D: ACTION _____

SECTION E: REPORTS/DISCUSSION _____

SECTION F: BOARD POLICIES

1st Reading _____ 2nd Reading _____

Approval of Agreement/MOU #16-50 - Santa Barbara/Ventura Counties Dental Care Foundation (Freeman/Thomas)

This Memorandum of Understanding formalizes the working relationship between the Oxnard School District (OSD) and Santa Barbara-Ventura Counties Dental Care Foundation (SBVCDCF) and describes the goals and objectives of the Maternal & Infant Oral Health Program and the Family Smiles Oral Health Program. Services stipulated in the agreement are provided at no cost to the families and the Oxnard School District.

Term of the agreement: August 4, 2016 through June 30, 2017

FISCAL IMPACT:

No fiscal impact.

RECOMMENDATION:

It is the recommendation of the Director, Curriculum, Instruction & Accountability, and the Assistant Superintendent, Educational Services that the Board of Trustees approve Agreement/MOU #16-50 with Santa Barbara/Ventura Counties Dental Care Foundation (SBVCDCF).

ADDITIONAL MATERIAL:

Attached: Agreement/MOU#16-50, SBVC Dental Care Foundation (1 Page)
Certificate of Insurance (4 Pages)

Oxnard School District Agreement #16-50 Memorandum of Understanding

The Oxnard School District (OSD) and the Santa Barbara-Ventura Counties Dental Care Foundation (SBVCDCF) are participating in the Maternal & Infant Oral Health Program of Ventura County project and Family Smiles Oral Health program. Local needs assessment indicates a need in the Oxnard community for preventative dental care for preschool aged children.

The Santa Barbara-Ventura Counties Dental Care Foundation will provide the following:

- Facilitate dental care education workshops for parents of children receiving screenings and/or treatments.
- Provide dental screenings for OSD State Preschool, NfL and other partner agency preschool program students.
 - Screenings will be performed by **California licensed dentists**.
- Provide dental follow-up referrals and/or treatments for children determined to need further oral health care services at no cost to parents of children and at no cost to the Oxnard School District.
 - Dental treatments will be performed by **California licensed dentists**.
- Utilize SBVCDCF mobile dental clinic to screen and treat children.
- Provide the OSD a certificate of insurance naming the Oxnard School District as additional insured (General Liability (Abuse/Molestation), Business Auto, Worker's Compensation, Professional Liability).
- Obtain signed screening/treatment consent forms, (First 5/Intake forms from parents of children) participating in the project prior to screening and/or treatments.
- Require parent/caretaker to approve in writing any dental treatment prior to rendering treatment.
- Coordinate dental screenings directly with OSD/NfL program staff, elementary school staff, schedule treatment appointments directly with parents, and coordinate education workshops directly with parents.

The Oxnard School District/Oxnard NfL Program/Elementary schools will:

- Participate in the proposed project's goals and objectives.
- Contact preschool partners and elementary schools and provide information about the proposed project.
- Coordinate dental screenings with preschool partners, elementary schools, and SBVCDCF.
- Provide the SBVCDCF a list of preschools and elementary schools with contact information for each.
- Provide space for parent education workshops and allow the mobile dental clinic access onto district campuses for dental screenings and treatments.
- Coordinate use of facilities.

Term of this Agreement: **August 4, 2016 to June 30, 2017**

The Santa Barbara-Ventura Counties Dental Care Foundation and the Oxnard School District look forward to working together toward the early identification and treatment of children needing dental care, and the prevention of future dental concerns.

*Elizabeth L. Layne, DDS, MSD, MBA, Executive Director
Santa Barbara-Ventura Counties Dental Care Foundation*

Date

*Lisa A. Franz, Director, Purchasing
Oxnard School District*

Date

(Contingent Upon Board Approval)



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
8/31/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).


| PRODUCER Tolman & Wiker Insurance Services LLC #0E52073 196 S. Fir Street PO Box 1388 Ventura CA 93002-1388 | CONTACT NAME: Nikki Raunsbak, CISR, AINS PHONE (A/C, No, Ext): (805) 585-6172 FAX (A/C, No): (805) 585-6272 E-MAIL ADDRESS: nraunsbak@tolmanandwiker.com | | | | | | | | | | | | | |
|--|--|-------------------------------|--------|--|--------|-------------|--|-------------|--|-------------|--|-------------|--|-------------|
| | <table border="1"> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> <tr> <td>INSURER A : Nonprofits' Ins Alliance BKR</td> <td>011845</td> </tr> <tr> <td>INSURER B :</td> <td></td> </tr> <tr> <td>INSURER C :</td> <td></td> </tr> <tr> <td>INSURER D :</td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </table> | INSURER(S) AFFORDING COVERAGE | NAIC # | INSURER A : Nonprofits' Ins Alliance BKR | 011845 | INSURER B : | | INSURER C : | | INSURER D : | | INSURER E : | | INSURER F : |
| INSURER(S) AFFORDING COVERAGE | NAIC # | | | | | | | | | | | | | |
| INSURER A : Nonprofits' Ins Alliance BKR | 011845 | | | | | | | | | | | | | |
| INSURER B : | | | | | | | | | | | | | | |
| INSURER C : | | | | | | | | | | | | | | |
| INSURER D : | | | | | | | | | | | | | | |
| INSURER E : | | | | | | | | | | | | | | |
| INSURER F : | | | | | | | | | | | | | | |
| INSURED Santa Barbara-Ventura Counties Dental Care 1607 E Thompson Blvd Ventura CA 93001 | | | | | | | | | | | | | | |

COVERAGES **CERTIFICATE NUMBER:** GL 15/16 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS |
|----------|---|-----------|--|----------------|-------------------------|-------------------------|--|
| A | GENERAL LIABILITY | | | 2015-37557-NPO | 8/29/2015 | 8/29/2016 | EACH OCCURRENCE \$ 1,000,000 |
| | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 |
| | <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR | | | | | | MED EXP (Any one person) \$ 20,000 |
| | | | | | | | PERSONAL & ADV INJURY \$ 1,000,000 |
| | | | | | | | GENERAL AGGREGATE \$ 3,000,000 |
| | | | | | | | PRODUCTS - COMP/OP AGG \$ 3,000,000 |
| | GEN'L AGGREGATE LIMIT APPLIES PER: | | | | | | \$ |
| | <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC | | | | | | \$ |
| | AUTOMOBILE LIABILITY | | | | | | COMBINED SINGLE LIMIT (Ea accident) \$ |
| | <input type="checkbox"/> ANY AUTO | | | | | | BODILY INJURY (Per person) \$ |
| | <input type="checkbox"/> ALL OWNED AUTOS | | <input type="checkbox"/> SCHEDULED AUTOS | | | | BODILY INJURY (Per accident) \$ |
| | <input type="checkbox"/> HIRED AUTOS | | <input type="checkbox"/> NON-OWNED AUTOS | | | | PROPERTY DAMAGE (Per accident) \$ |
| | | | | | | | \$ |
| | UMBRELLA LIAB | | <input type="checkbox"/> OCCUR | | | | EACH OCCURRENCE \$ |
| | EXCESS LIAB | | <input type="checkbox"/> CLAIMS-MADE | | | | AGGREGATE \$ |
| | DED | | RETENTION \$ | | | | \$ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY | | | | | | <input type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTH-ER |
| | ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) | | <input type="checkbox"/> Y/N | N/A | | | E.L. EACH ACCIDENT \$ |
| | If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | E.L. DISEASE - EA EMPLOYEE \$ |
| A | Improper Sexual Conduct Liability | | | | | | \$1,000,000 per occurrence \$3,000,000 aggregate |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
GL: Certificate Holder is Additional Insured as respects to Operations of the Named Insured per attached Form # NIAC-E25 (01/98) which applies only as required by written contract during the policy term.

| | |
|--|---|
| CERTIFICATE HOLDER nvaldes@oxnardsd.org Oxnard School District 1501 South A Street Oxnard, CA 93030 | CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. |
| | AUTHORIZED REPRESENTATIVE N Raunsbak, CISR, AIN  |



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

03/11/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Phone: (805) 681-0505 Fax: (805) 681-0054
HOLMES & HOLMES INSURANCE AGENCY, INC.
 299 N. FAIRVIEW AVE. 2ND FLOOR
 GOLETA CA 93117

CONTACT NAME: **HOLMES & HOLMES INSURANCE AGENCY, INC.**
 PHONE (A/C, No, Ext): **(805) 681-0505** FAX (A/C, No): **(805) 681-0054**
 E-MAIL ADDRESS:

Agency Lic#: OC17316

INSURED
SANTA BARBARA-VENTURA COUNTIES DENTAL CARE FOUNDATION
 C/O DR. BETTY LAYNE
 1607 EAST THOMPSON BOULEVARD
 VENTURA CA 93001

| INSURER(S) AFFORDING COVERAGE | NAIC # |
|--|--------|
| INSURER A : Diamond State Insurance Co. | |
| INSURER B : | |
| INSURER C : | |
| INSURER D: | |
| INSURER E : | |
| INSURER F : | |

COVERAGES

CERTIFICATE NUMBER: 23660

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS |
|----------|---|-----------|----------|--------------------|-------------------------|-------------------------|---|
| | COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER: | | | | | | EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED. EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$ COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (per accident) \$ \$ EACH OCCURRENCE \$ AGGREGATE \$ \$ PER STATUTE OTH-ER |
| A | AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$ | | | BAP00010090 | 01/09/16 | 01/09/17 | E.L. EACH ACCIDENT \$ E.L. DISEASE-EA EMPLOYEE \$ E.L. DISEASE-POLICY LIMIT \$ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N <input checked="" type="checkbox"/> N/A (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Certificate holder's Additional Insured status respects Automobile Liability subject to the terms and conditions of attached form EAD-110 (07/2008)

CERTIFICATE HOLDER**CANCELLATION**

Oxnard School District
 1051 South A Street
 Oxnard, CA 93030

Attention: Noemi Valdes nvaldes@oxnardsd.org

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Kay A. Holmes

(The attaching clause need be completed only when this endorsement is issued subsequent to preparation of the policy.)

This endorsement, effective at 12:01 a.m. standard time, forms a part of

Policy #: BAP0001009

Issued to: Santa Barbara-Ventura Counties Dental Care Foundat

By: Diamond State Insurance Company

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM
GARAGE COVERAGE FORM
TRUCKERS COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by this endorsement.

Who Is An Insured, under SECTION II – LIABILITY COVERAGE, is amended to include the person or organization named in the Schedule below, but only for “bodily injury” or “property damage” resulting from the acts or omissions of:

1. You, while using a covered “auto”.
2. Any other person, while using a covered “auto” with your permission.

SCHEDULE

Additional Insured

Oxnard School District

1051 South A Street, Oxnard, CA 93030

Declarations Insert

The Dentists Insurance Company
1201 K Street, 17th Floor, Sacramento, CA 95814



In consideration of the required premium, this policy is effective for the **policy period** beginning and ending at 12:01 a.m. at the insured address below and subject to the limit of liability for each coverage stated below and subject to all provisions of the Policy Form, all Endorsements and your application. This Declarations Insert attaches to and becomes part of Policy Form PBL2200-0115AS.

| Policy Number | Policy / Period Effective Date | Policy Period Expiration Date |
|---------------|--------------------------------|-------------------------------|
| CA028334-1-01 | 07/01/2015 | 07/01/2016 |

| Named Insured | Class Description |
|---|--|
| MEHRAVAR E. BROWN, DDS PO BOX 1634 PORT HUENEME, CA 93044 | 11 GENERAL DENTISTS TREATING PATIENTS UTILIZING ONLY THE FOLLOWING ANESTHETIC TECHNIQUES: LOCAL ANESTHETIC, ORAL SEDATION AND NITROUS OXIDE ANALGESIA. |

| Dental Specialty | Component | Territory |
|------------------|-----------------------|-----------|
| GENERAL PRACTICE | SANTA BARBARA-VENTURA | C |

| Limits of Liability | Coverage | Retroactive Date |
|---|---|------------------|
| Each Claim \$1,000,000 | Coverage A - Dentists Professional Liability Claims - Made Form | 08/10/1994 |
| Each Occurrence \$1,000,000 | Coverage B - Dental Business Liability Occurrence Form | Not Applicable |
| Aggregate Limit for All Claims Under Coverages A & B combined \$5,000,000 | | |
| Aggregate \$100,000 | Coverage C - Dental Employment Benefits Liability Claims - Made Form | 08/10/1994 |
| Aggregate Defense Costs Reduce Limits N/A | Coverage D - Dental Employment Practices Liability (optional) Claims - Made Form - 20% co-payment | |
| Aggregate \$60,000 | Coverage E - Dental Medical Malpractice Legal Defense Occurrence Form - 20% co-payment | Not Applicable |
| Aggregate \$100,000 | Coverage F - Regulatory Authority Legal Defense Costs Claims - Made Form | 08/10/1994 |

| Policy Premium |
|----------------|
| \$862.00 |

| Discounts |
|-------------|
| * Part-time |

| Notices |
|--|
| Endorsements made a part of this policy: PBL2122-0115AS PBL2500-0115CA PBL2513-0115AS PBL2026-0115AS PBL2044-0115AS |

For questions regarding your insurance call 1-800-733-0633 or 916-443-047

05/15/2015
Date issued

Peter J. DuBois
President & CEO

*369

BOARD AGENDA ITEM

Name of Contributor(s): Robin Freeman

Date of Meeting: 8/3/16

| | | |
|--------------------------------------|-------------------------------|-------------------------------|
| STUDY SESSION | _____ | |
| CLOSED SESSION | _____ | |
| SECTION B: HEARINGS | _____ | |
| SECTION C: CONSENT | <u> X </u> | |
| SECTION D: ACTION | _____ | |
| SECTION E: REPORTS/DISCUSSION | _____ | |
| SECTION F: BOARD POLICIES | 1 st Reading _____ | 2 nd Reading _____ |

Approval of Agreement #16-51 - Lifesigns Inc. (Freeman/Thomas)

Provide communication services for deaf, hard of hearing, or deaf-blind persons as needed for parent conferences and meetings.

FISCAL IMPACT:

\$5,000.00 – Title 1

RECOMMENDATION:

It is the recommendation of the Director, Curriculum, Instruction & Accountability, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement #16-51 with Lifesigns Inc.

ADDITIONAL MATERIAL(S):

Attached: Agreement #16-51, Lifesigns Inc. (12 Pages)



LIFESIGNS
SINCE 1986

**SIGN LANGUAGE INTERPRETER SERVICE AGREEMENT
GENERAL/MEDICAL**

LIFESIGNS office hours are from 8:30 am to 5 pm, Monday through Friday only.
We observe all state and federal holidays.

FOR ALL AREAS

DISPATCH OFFICE
(to request an interpreter)

Toll Free: (888) 930-7776
Dispatch Office: 323-550-4210
FAX: (888) 227-5021
Email: lifesigns@lifesignsinc.org

ACCOUNT SERVICES
(for billing and contract inquiries)

Voice: (323) 550-4242, (323) 550-4298
Videophone: (323) 892-2212
Email: lifesigns@lifesignsinc.org

FOR AFTER-HOURS EMERGENCIES

(5 PM – 8:30 AM, MONDAY-FRIDAY, WEEKENDS & HOLIDAYS)
(800) 633-8883

(Note: This number is for mental health, medical, and law enforcement emergencies only)
Please do not use the emergency number for regular requests or messages.

LIFESIGNS, Inc.
2222 Laverna Avenue
Los Angeles, CA 90041
Tax ID: 95-4044564

LIFESIGNS, Inc. is a subsidiary of the Greater Los Angeles Agency on Deafness, Inc. (GLAD).



NOTE: ALL LIFESIGNS ASSIGNMENTS ARE BILLED AT A 2-HOUR MINIMUM.

SPECIFICATIONS AND RESPONSIBILITIES:

1. INTENT

LifeSigns Now dba LIFESIGNS, Inc. (hereafter LIFESIGNS) provides communication services to remove communication barriers to both parties involved, also to individuals, businesses and organizations who are covered by Section 504 of the Rehabilitation Act, Americans with Disabilities Act and similar state and federal laws requiring the provision of auxiliary aids and services as necessary to ensure effective communication with deaf, hard of hearing or deaf-blind persons.

Subject to the availability of interpreters, LIFESIGNS agrees to provide communication services upon request to AGENCY. AGENCY agrees to the following conditions, rates and services listed below. The following conditions, rates, and services apply to communication services provided by LIFESIGNS on an as-needed basis.

2. DEFINITIONS

After-hours: Monday through Friday after 5:00 p.m. and before 8:30 a.m., weekends and holidays.

Business hours: Monday through Friday, between 8:30 a.m. to 5:00 p.m. ***excluding weekends and holidays.***

On-call: Emergency medical, mental health or legal requests made after hours.

Emergency Interpreting: Any request submitted less than 72 hours from date of services needed. Also, any time beyond the originally requested time will be billed at the emergency rate.

Portal to Portal: For On-Call requests, billing starts from when the interpreter is dispatched and has left their home to your location, and ends when the interpreter arrives back at their home upon the completion of the assignment. This typically adds 1-2 hours to the number of billable hours.

Agency: The entity that is requesting interpreting services. They are the party to be billed and can also be considered the REQUESTOR or CUSTOMER.

3. SIGN LANGUAGE INTERPRETING

LIFESIGNS staff and subcontracting interpreters are certified by either the National Association of the Deaf (NAD) or Registry of Interpreters for the Deaf (RID), OR possess Educational Interpreter Performance Assessment (EIPA) certification. Most certificate holders have completed professional interpreter training and have extensive professional interpreting experience.

TEAM INTERPRETING - LIFESIGNS reserves the right to determine if an assignment based on its length or complexity requires two interpreters rotating at intervals of 20-30 minutes. Generally, assignments exceeding 2 hours or any assignment with continuous non-stop presentations (lectures, presentations even if under 2 hours), meetings, groups and/or legal type meetings where two separate parties are represented with two different sides/points of view will require a team of two or more interpreters. ***In these instances, agency will be billed for 2 (or more) interpreters for the same assignment.***



AFTER-HOURS (AKA ON-CALL) EMERGENCY INTERPRETING

Emergency requests for true medical, mental and law enforcement situations are given top priority. Interpreters are available every day after-hours (5:00 pm to 8:30 am) specifically for **true medical, mental health and law enforcement emergencies only**. Please do not call the After-Hours Emergency Line to make requests or to leave messages for the dispatchers.

1. If you have an emergency or last minute request during business hours, please call our Dispatch Office at (323) 550-4210.
2. The emergency phone number is 800-633-8883, and is available after business offices have closed. The emergency line is for medical, mental health or legal emergencies only that require immediate attention and response.

FEE SCHEDULE

GENERAL FEE RATE SCHEDULE (for requests made greater than 72 business hours in advance of date of service):

1. **ASL, PSE, SEE & Oral:** \$75 per hour with a 2 hour on-site minimum.
2. **Tactile (deaf/blind), Tri-Lingual (Spanish, English and ASL), CDI (Certified Deaf Interpreter).** \$80 per hour with a 2 hour on-site minimum.
3. **Team Interpreting** – Rates as noted above times the number of interpreters.

EMERGENCY RATES will be charged for any service requested with less than 72 business hours advanced notice. Emergency rates are as follows:

1. **ASL, PSE, SEE & Oral:** \$85 per hour with a 2 hour on-site minimum.
2. **Tactile (deaf/blind), Tri-Lingual (Spanish, English and ASL), CDI (Certified Deaf Interpreter):** \$90 per hour with a two (2 hour on-site minimum.
3. **Emergency On-Call (after-hours) services:** \$105 per hour. On-call assignments are billed Portal to Portal (see previous definitions). Cancellations that incur en route will be billed for the 2-hour minimum or the Portal-to Portal time, whichever is longer.

DRIVE TIME: Due to the distance of assignment location, any job over 30 miles from LIFESIGNS or the nearest regional office will be charged mileage (round-trip) according to IRS Standard Mileage Rates. Note: If LIFESIGNS encounters difficulty in securing an interpreter for the assignment because of distance, a flat fee may be negotiated in lieu of the IRS standard rate.

GLAD REGIONAL OFFICES

- GLAD Headquarters – 2222 Laverna Avenue, Los Angeles, CA 90041
- Bakersfield GLAD – 4949 Buckley Way, Suite 203, Bakersfield, CA 93309
- Center on Deafness, Inland Empire – 3576 Arlington Avenue, Suite 211, Riverside CA 92506
- Orange County Deaf Equal Access Foundation – 6022 Cerritos Avenue, Cypress, CA 90630
- Tri-County GLAD – 702 County Square Drive, Suite 101, Ventura, CA 93003



ACCOUNT SERVICES

LIFESIGNS uses a fully-compliant online platform – <https://lifesigns.interpreterintelligence.com> – that allows our customers to view their invoices online. Upon submission of your service agreement, your Accounts Payable staff will be contacted to set up your online account.

If you have questions related to your invoices, contract/service agreement or other billing-related issues, please contact Account Services during regular business hours.

- Telephone: (323) 550-4242 or (323) 550- 4298.
- Videophone for deaf customers: (323) 892-2292.

REMITTANCE FOR SERVICE

Payment of invoice(s) is required within 30 days of receipt by AGENCY. Cost of service is incurred to AGENCY only when an interpreter is dispatched, or AGENCY cancels as follows:

- For jobs that are 2 hours or less – notification must be made at least 24 hours prior to the scheduled start time
- For jobs exceeding 2 hours – notification must be made at least 48 hours prior to the scheduled start time.

INSUFFICIENT FUNDS/RETURNED CHECKS

Any returned check incurs a \$30.00 processing fee to requestor.

LATE FEES

Invoices in delinquency may incur a late fee to cover administrative costs. A monthly interest rate of 1.5% may be assessed to any invoice that is delinquent beyond the Net 30 payment policy agreed upon in this contract. If a requestor accumulates late invoices, LIFESIGNS may withhold services until the account balance is made current.

COLLECTIONS EXPENSES

All expenses incurred by LIFESIGNS for invoice collections from a third party will be invoiced to requestor. LIFESIGNS will send a certified letter to requestor informing them of an invoice delinquency before proceeding to collections.

POLICIES AND PROCEDURES FOR AGENCY INTERPRETER SERVICES REQUESTS

Due to the high demand for communication services, LIFESIGNS strongly encourages that all requests be made with a minimum of 5-7 working days' advance notice. LIFESIGNS cannot guarantee interpreters for any request made in less than the required notice; however, every effort will be made to secure an interpreter.

When requesting an interpreter, please provide the following information:



1. Date of service needed.
2. Time span of service (start time and we must have an approximate end time).
3. Address of assignment (including cross street, room numbers, building, parking location and fees or any other pertinent information).
4. Contact person at the interpreting site and direct phone/cell number.
5. Nature of the assignment (1-1 meeting, computer training, medical appointment, new employee orientation, parent/teacher conference, etc.)
6. Billing information (authorized person, attention to whom and PO# if required).

Due to tight schedules and our commitment to provide service to as many clients as possible, we highly suggest you secure an interpreter to the end-time you anticipate to complete your request. Cost of service is incurred to AGENCY only when an interpreter is dispatched. Due to the high demand of interpreters, all efforts will be made to provide interpreter as soon as possible. **Any assignment going over the original time requested/excess time will be billed at emergency rate.** We always suggest you over- estimate the time needed as we cannot guarantee the interpreter's availability after scheduled time. The interpreter may have other scheduled assignments based on the original requested time.

CONFIRMATION OF INTERPRETER

Confirmation will occur when the assignment is accepted by an interpreter. The confirmation you will receive is an email confirming that the job has been assigned along with the name of the interpreter, dependent on accurate email address(es) being provided.

POLICY ON CANCELLATIONS AND CHANGES

To affect billing, cancellations or changes for assignments lasting 2 hours or less will require **greater than 24 business hours** advance notice of cancellation. Cancellation or changes for assignments lasting longer than 2 hours will require **greater than 48 business hours** advance notice of cancellation.

BUSINESS HOURS:

LIFESIGNS office hours are 8:30 am to 5 pm Monday through Friday.

We observe all state and national holidays.

1. Cancellations/changes must be made during business hours. Cancellations/changes made after business hours and/or during holidays will not be considered until the next business day.
2. If the cancellation/change is not made within the specified amount of time, the AGENCY will be billed for the total amount of time requested.
3. Weekends and holidays are not considered regular business hours.
4. We request that all cancellations or changes be made via FAX or EMAIL using the original request with the word CANCELLATION or change written diagonally across the request and re-sent to LIFESIGNS.
5. **ALWAYS** call our Dispatch Office at (323) 550-4210 to verify that the cancellation or notice of change was received.
6. If the request was made by phone please submit via FAX or EMAIL the following information:
 - a. Name of requesting agency or company
 - b. Date, time, location of appointment
 - c. Name of consumer
 - d. Write the words "PLEASE CANCEL REQUEST" OR list the specified change diagonally across the form and include your name and phone number.



- e. Note: If your interpreting request is being paid by a third-party (i.e., insurance company), and the request is cancelled or changed, it is your responsibility to immediately notify the third party of the cancellation or change.

NO-SHOW POLICY

The event of CUSTOMER/PATIENT/CLIENT's failure to appear for scheduled appointment will not release the AGENCY from the responsibility of full payment for secured services requested. It is the AGENCY'S responsibility to independently confirm that the CUSTOMER/PATIENT/CLIENT will appear. However, in the event that an interpreter is late for a scheduled appointment, then the fee for services rendered should be prorated to reflect the amount of time actually worked.

INDEPENDENT CONTRACTOR STATUS

The parties hereto are independent contractors at all times and neither shall be considered the employee, agent or partner of the other.

GRIEVANCE PROCEDURES

Suggestions for improving LIFESIGNS are always welcome. At some time during the contractual period, the AGENCY may have a complaint, suggestion or question regarding LIFESIGNS Policies and Procedures or services. Good-faith complaints, questions and suggestions are also of concern to LIFESIGNS.

Please use the following guidelines when addressing concerns:

1. Within a week of the occurrence, please inform the director of LIFESIGNS who will then investigate and attempt to provide a solution or explanation. If the complaint is regarding the director, the AGENCY has the right to bring the situation to the attention of the CEO of the Greater Los Angeles Agency on Deafness, Inc. (LIFESIGNS, Inc. is a subsidiary of GLAD, Inc.).
2. AGENCY may also state the concern in writing and present it to the director of LIFESIGNS.

In order to resolve an issue through grievance procedures, a written statement must contain the following:

1. Provide the specific complaint, suggestion or question.
2. Describe what took place.
3. Furnish date(s) of incidents. Include names and title of individuals who are part of the grievance, suggestion or question.
4. Include all supporting documentation.

TERMINATION OF SERVICES

Either party may terminate this Agreement without cause effective 30 days after receipt of written notice provided to the other party by the terminating party.

Either party may terminate this Agreement with cause for any material breach of this Agreement upon notice served to the other party specifying the nature of the breach.



INDEMNIFICATION

LIFESIGNS shall defend, indemnify and hold AGENCY, its officers, agents and employees harmless from and against any and all liability, loss, expense (including reasonable attorney's fees), or claims for injury or damages arising out of the loss of the performance of this Agreement, but only in proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from the negligence or intentional acts or omissions of LIFESIGNS, its officers, agents or employees.

AGENCY shall defend, indemnify and hold LIFESIGNS, its officers, agents and employees harmless from and against any and all liability, loss, expense (including reasonable attorney's fees), or claims for injury or damages arising out of the loss of the performance of this Agreement, but only in proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from the negligence or intentional acts or omissions of AGENCY, its officers, agents or employees.

CONTRACT DISPUTES

All disputes regarding this agreement shall be settled in Los Angeles County. If any provision is held by any court to be invalid, void or unenforceable, the remaining provisions shall nevertheless continue in full force.

INSURANCE

LIFESIGNS shall procure at its own cost and expense, and maintain during the existence of this Agreement, the following policies in connection with the performance of the obligations in this Agreement:

- Professional Liability Insurance subject to \$1,000,000 limits
- Errors and Omissions Insurance subject to \$1,000,000 limits
- Comprehensive General Liability Insurance subject to \$2,000,000 limits

AMENDMENTS

This Agreement may be amended in whole or in part by mutual agreement of both parties. Such modifications shall be made in writing and must be signed by each party hereto. All such amendments shall be attached hereto and shall become a part of this Agreement immediately upon full execution of each amendment.

Any provisions required to be included in this Agreement by any applicable law or regulation shall bind both parties to this Agreement, whether or not expressly provided in this Agreement. Either party shall notify the other party of such requirement in writing at least 30 days before the effective date of such law or regulation.

For questions regarding this agreement, please contact our Account Services Office:

- Voice – (323) 550-4242
- Voice – (323) 550-4298
- Videophone (for deaf customers) – (323) 892-2212



NONDISCRIMINATION

Neither party shall discriminate on the basis of race, color, sex, age, religion, national origin, sexual orientation, pregnancy, marital status, veteran status or handicap in providing services under this Agreement or in the selection of employees or independent contractors.

CONFIDENTIALITY

All parties involved in any services rendered are required to maintain confidentiality in regards to all information seen, heard or observed on any premises or shared from any party when making a request for service. All interpreters dispatched by LIFESIGNS are required to hold confidentiality to the highest standards set forth by the Registry of Interpreters for the Deaf, Inc.'s Code of Professional Conduct. Exceptions to confidentiality are only allowed in cases when a party must be a Mandated Reporter by law or when making a grievance or giving feedback in regards to services rendered or requested.

The Section Below Applies to Medical Facilities and Providers Only

GOVERNING LAW AND PARTIAL INVALIDITY

LIFESIGNS hereby acknowledges that AGENCY is a California Health Care Service Plan licensed pursuant to the Knox-Keene Health Care Service Plan Act of 1975 (the Act) as amended, and both parties shall be bound by the terms and requirements of the Act and regulations promulgated therefore.

Further, LIFESIGNS acknowledges that AGENCY, its providers and its business partners are subject to laws and regulations relating to state and federal public health programs, including Medi-Cal and Medicare programs. The parties hereto agree that they shall comply with all laws and regulations relating to such public health programs.

LIFESIGNS understands and acknowledges that, as part of this Agreement, it will compile and maintain or have access to certain medical information relating to AGENCY'S members and that such information is subject to the California Confidentiality of Medical Information Act and the Federal Health Insurance Portability and Accountability Act (HIPAA) and regulations promulgated thereto. LIFESIGNS agrees that it shall maintain the confidentiality and security of personally identifiable health information relating to AGENCY'S members and shall insure that its subcontractors comply with such laws and regulations.

LIFESIGNS agrees to enter into a "Business Associate Agreement" with AGENCY when and as required by HIPAA and its regulations.

EXPIRATION OF SERVICE AGREEMENT

This Agreement will expire after one (1) year from the date signed by agency.



SUMMARY OF GENERAL SERVICE AGREEMENT

1. General ASL rate is \$75 per hour (2 hour minimum)
2. Trilingual, CDI & Tactile rate is \$80 per hour (2 hour minimum)
3. Emergency rate for any service request made with less than 72 business hours (3 business days) notice:
 - ASL interpreting: \$85 per hour (2 hour minimum)
 - Trilingual, CDI or Tactile interpreting: \$90 per hour (2 hour minimum)
4. Emergency On-Call rate is \$105 per hour with Portal-to-Portal (2 hour minimum)
5. Team Interpreting – Rates as noted above **times** the number of interpreters.
6. Drive-Time: Due to the distance of assignment location, any job over 30 miles from LIFESIGNS or any of our regional offices will be charged the additional IRS established rate per mile round trip. Drive-time rates are established by the Internal Revenue Service. Note: If LIFESIGNS encounters difficulty securing an interpreter for an assignment because of distance, a flat fee may be negotiated in lieu of the IRS Standard Rate.
7. To avoid full charge, cancellations/changes must occur during business hours (Monday-Friday, 8:30 am- 5:00 pm, EXCLUDING holidays and weekends). Notification of cancelled or changed requests must be submitted at least 24 business hours before a 2-hour assignment and 48 hours before an assignment greater than 2 hours.
8. A “No-show” of deaf client still requires agency to pay for the entirety of requested hours.

To access your interpreting requests online 24 hours, 7 days a week, go to:
<https://lifesigns.interpreterintelligence.com>
 (contact our Dispatch Office at (888) 930-7776 to set up your online account)

AUTHORIZING AND BILLING INFORMATION

Oxnard School District

Company Name

1051 South A Street, Oxnard, CA 93030

Billing Address, City, State, Zip Code

Credit Card Number with expiration date (required for individuals) Name on Card

oxnardsd.org

lfranz@oxnardsd.org

Website (URL)

E-mail address

Lisa A. Franz, Director, Purchasing

805-385-1501 x2414

PRINT Authorized Agent’s Name

Title

Direct Phone Number

Signature of Authorized Agent

Date Signed (expires after one year)

LIFESIGNS, INC. - Tax ID: 95-4044564
2222 Laverna Avenue, Los Angeles, CA 90041
Email: lifesigns@lifesignsinc.org

Telephone: (323) 550-4210; Toll free (888) 930-7776 (not for emergencies); Fax: (888) 227-5021
For after-hours law enforcement and medical emergencies, call (800) 633-8883.



LIFESIGNS CONTACT SETUP

<https://lifesigns.interpreterintelligence.com>

LIFESIGNS utilizes a *fully HIPAA compliant* online platform for receiving interpreting requests and dispatching these requests to your service locations.

For us to create your online user account please complete the information shown below. We will email your login name and password to you when we receive your service agreement. Multiple user accounts can be created upon request.

Online User Account Setup

For Requestors (to enter and access job requests and to receive notification of confirmations, changes and cancellations):

Name of Company Oxnard School District

| | |
|---------------|------------------------|
| Email Address | athomas@oxnardsd.org |
| First Name | Anna |
| Last Name | Thomas |
| Phone Number | (805) 385-1501 x2302 |
| Fax Number | (805) 486-6084 |

| | |
|---------------|------------------------|
| Email Address | lfierro@oxnardsd.org |
| First Name | Nida |
| Last Name | Fierro |
| Phone Number | (805) 385-1501 x2471 |
| Fax Number | (805) 483-7226 |

To add users, email lifesigns@lifesignsinc.org or call our dispatchers at (323) 550-4210.



CUSTOMIZING YOUR ACCOUNT

List the various service locations connected to your account.

Name of Company: _____

Service location #1

Address: _____

Room # / Suite # / Floor # _____

City, State, Zip: _____

Service location #2

Address: _____

Room # / Suite # / Floor # _____

City, State, Zip: _____

Service location #3

Address: _____

Room # / Suite # / Floor # _____

City, State, Zip: _____



CUSTOMIZING YOUR INVOICES

Please list any required codes or fields you need included on your invoices.

Name of Company: _____

- Purchase order # _____ Expires _____
- If applicable, should the consumer's authorization number be included on the invoice? Yes_____ No_____
- List consumer's name on invoice? Yes_____ No_____
- List department on invoice? Yes_____ No_____
- List location on invoice? Yes_____ No_____
- Other billing requirements? Specify: _____

Accounts Payable Information:

| | |
|--------------------|----------|
| Email Address | |
| Name (first, last) | |
| Phone Number | () |
| Fax Number | () |

| | |
|--------------------|----------|
| Email Address | |
| Name (first, last) | |
| Phone Number | () |
| Fax Number | () |

You can download your company's invoices! Contact Account Services at (323) 550-4242 /4298 and we'll give you access to our invoicing system!



BOARD AGENDA ITEM

Name of Contributor(s): Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT **X**
SECTION D: ACTION _____
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Approval of Agreement #16-52 – American Language Services (Freeman/Thomas)

Translation/Interpreting services for parents who speak a language other than English or Spanish for parent conferences and meetings.

FISCAL IMPACT

\$5,000.00 – Title 1

RECOMMENDATION:

It is the recommendation of the Director, Curriculum, Instruction & Accountability, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement #16-52 with American Language Services.

ADDITIONAL MATERIAL(S):

Attached: Agreement #16-52, American Language Services (13 Pages)
Proposal - Services & Rates (7 Pages)

OXNARD SCHOOL DISTRICT

Agreement #16-52

AGREEMENT FOR CONSULTANT SERVICES

This Agreement for Consultant Services (“Agreement”) is entered into as of this 3rd day of August, 2016 by and between the Oxnard School District (“District”) and American Language Services (“Consultant”). District and Consultant are sometimes hereinafter individually referred to as “Party” and hereinafter collectively referred to as the “Parties.”

RECITALS

- A. District is authorized by *California Government Code* Section 53060, and Board Policy 4368, to contract with independent contractors for the furnishing of services concerning financial, economic, accounting, engineering, legal, administrative and other matters. District has sought, by issuance of a Request for Proposals or Invitation for Bids, the performance of the Services, as defined and described particularly on **Exhibit A**, attached to this Agreement.
- B. Following submission of a proposal or bid for the performance of the Services, Consultant was selected by the District to perform the Services.
- C. The Parties desire to formalize the selection of Consultant for performance of the Services and desire that the terms of that performance be as particularly defined and described herein.

OPERATIVE PROVISIONS

NOW, THEREFORE, in consideration of the mutual promises and covenants made by the Parties and contained here and other consideration, the value and adequacy of which are hereby acknowledged, the parties agree as follows:

- Incorporation of Recitals and Exhibits.** The Recitals set forth above and all exhibits attached to this Agreement, as hereafter amended, are incorporated by this reference as if fully set forth herein.
- Term of Agreement.** Subject to earlier termination as provided below, this Agreement shall remain in effect from August 4, 2016 through June 30, 2017 (the “Term”). This Agreement may be extended only by amendment, signed by the Parties, prior to the expiration of the Term.
- Time for Performance.** The scope of services set forth in **Exhibit A** shall be completed during the Term pursuant to the schedule specified **Exhibit A**. Should the scope of services not be completed pursuant to that schedule, the Consultant shall be deemed to be in Default as provided below. The District, in its sole discretion, may choose not to enforce the Default provisions of this Agreement and may instead allow Consultant to continue performing the Services.
- Compensation and Method of Payment.** Subject to any limitations set forth below or elsewhere in this Agreement, District agrees to pay Consultant the amounts specified in **Exhibit B** “Compensation”. The total compensation, including reimbursement for actual expenses, shall not exceed Five Thousand Dollars (\$5,000.00), unless additional compensation is approved in writing by the District.

- a. Each month Consultant shall furnish to District an original invoice for all work performed and expenses incurred during the preceding month. The invoice shall detail charges by the following categories: labor (by sub-category), travel, materials, equipment, supplies, and sub-consultant contracts. Sub-consultant charges, if any, shall be detailed by the following categories: labor, travel, materials, equipment and supplies. District shall independently review each invoice submitted by the Consultant to determine whether the work performed and expenses incurred are in compliance with the provisions of this Agreement. In the event that no charges or expenses are disputed, the invoice shall be approved and paid according to the terms set forth in subsection b. In the event any charges or expenses are disputed by District, the original invoice shall be returned by District to Consultant for correction and resubmission.
- b. Except as to any charges for work performed or expenses incurred by Consultant which are disputed by District, District will use its best efforts to cause Consultant to be paid within forty-five (45) days of receipt of Consultant's correct and undisputed invoice.
- c. Payment to Consultant for work performed pursuant to this Agreement shall not be deemed to waive any defects in work performed by Consultant.

5. **Termination.** This Agreement may be terminated at any time by mutual agreement of the Parties or by either Party as follows:

- a. District may terminate this Agreement, with or without cause, at any time by giving thirty (30) days written notice of termination to Consultant. In the event such notice is given, Consultant shall cease immediately all work in progress; or
- b. Consultant may terminate this Agreement for cause at any time upon thirty (30) days written notice of termination to District.

6. **Inspection and Final Acceptance.** District may, at its discretion, inspect and accept or reject any of Consultant's work under this Agreement, either during performance or when within sixty (60) days after submitted to District. If District does not reject work by a timely written explanation, Consultant's work shall be deemed to have been accepted. District's acceptance shall be conclusive as to such work except with respect to latent defects, fraud and such gross mistakes as amount to fraud. Acceptance of any of Consultant's work by District shall not constitute a waiver of any of the provisions of this Agreement including, but not limited to indemnification and insurance provisions.

7. **Default.** Failure of Consultant to perform any Services or comply with any provisions of this Agreement may constitute a default. The District may give notice to Consultant of the default and the reasons for the default. District shall not have any obligation or duty to continue compensating Consultant for any work performed after the date of the notice until the default is cured. The notice shall include the timeframe in which Consultant may cure the default. This timeframe is presumptively thirty (30) days, but may be extended, though not reduced, at the discretion of the District. During the period of time that Consultant is in default, the District shall hold all invoices and shall, when the default is cured, proceed with payment on the invoices. In the alternative, the District may, in its sole discretion, elect to pay some or all of the outstanding invoices during the period of default. If Consultant does not cure the default, the District may terminate this Agreement as provided above. Any failure on the part of the District to give notice of the Consultant's default shall not be deemed to result in a waiver of the District's legal rights or any rights arising out of any provision of this Agreement.

8. **Ownership of Documents.** All maps, models, designs, drawings, photographs, studies, surveys, reports, data, notes, computer files, files and other documents prepared, developed or discovered by Consultant in the course of providing any services pursuant to this Agreement (collectively and individually, the "Documents") shall

become the sole property of District and may be used, reused or otherwise disposed of by District without the permission of the Consultant. Upon completion, expiration or termination of this Agreement, Consultant shall turn over to District all such Documents.

9. **Use of Documents by District.** If and to the extent that District utilizes for any purpose not related to this Agreement any Documents, Consultant's guarantees and warrants related to Standard of Performance under this Agreement shall not extend to such use of the Documents.

10. **Consultant's Books and Records.** Consultant shall maintain any and all documents and records demonstrating or relating to Consultant's performance of services pursuant to this Agreement for a minimum of three years after termination or expiration of this Agreement, or longer if required by law.

- a. Consultant shall maintain any and all ledgers, books of account, invoices, vouchers, canceled checks, or other documents or records evidencing or relating to work, services, expenditures and disbursements charged to District pursuant to this Agreement for a minimum of three years, or longer if required by law, all in accordance with generally accepted accounting principles and with sufficient detail so as to permit an accurate evaluation of the services provided by Consultant pursuant to this Agreement.
- b. Any and all such records or documents shall be made available for inspection, audit and copying, at any time during regular business hours, upon request by District or its designated representative. Copies of such documents or records shall be provided directly to the District for inspection, audit and copying when it is practical to do so; otherwise, unless an alternative is mutually agreed upon, such documents and records shall be made available at Consultant's address indicated for receipt of notices in this Agreement.
- c. District has the right to acquire custody of such records by written request if Consultant decides to dissolve or terminate its business. Consultant shall deliver or cause to be delivered all such records and documents to District within sixty (60) days of receipt of the request.

11. **Independent Contractor.** Consultant is and shall at all times remain a wholly independent contractor and not an officer, employee or agent of District.

- a. The personnel performing the services under this Agreement on behalf of Consultant shall at all times be under Consultant's exclusive direction and control. Consultant, its agents or employees shall not at any time or in any manner represent that Consultant or any of Consultant's officers, employees, or agents are in any manner officials, officers, employees or agents of District. Neither Consultant, nor any of Consultant's officers, employees or agents, shall, by virtue of services rendered under this Agreement, obtain any rights to retirement, health care or any other benefits which may otherwise accrue to District's employees. Consultant will be responsible for payment of all Consultant's employees' wages, payroll taxes, employee benefits and any amounts due for federal and state income taxes and Social Security taxes since these taxes will not be withheld from payment under this agreement.
- b. Consultant shall have no authority to bind District in any manner, or to incur any obligation, debt or liability of any kind on behalf of or against District, whether by contract or otherwise, unless such authority is expressly conferred in writing by District, or under this Agreement.

12. **Standard of Performance.** Consultant represents and warrants that it has the qualifications, experience and facilities necessary to properly perform the services required under this Agreement in a thorough, competent and professional manner. Consultant shall at all times faithfully, competently and to the best of its ability, experience and talent, perform all services described herein. In meeting its obligations under this Agreement,

Consultant shall employ, at a minimum, generally accepted standards and practices utilized by persons engaged in providing services similar to those required of Consultant under this Agreement.

13. **Confidential Information.** All information gained during performance of the Services and all Documents or other work product produced by Consultant in performance of this Agreement shall be considered confidential. Consultant shall not release or disclose any such information, Documents or work product to persons or entities other than District without prior written authorization from the Superintendent of the District, except as may be required by law.

- a. Consultant shall promptly notify District if it is served with any summons, complaint, subpoena or other discovery request, court order or other request from any party regarding this Agreement or the work performed hereunder.
- b. District retains the right, but has no obligation, to represent Consultant or be present at any deposition, hearing or similar proceeding. Consultant agrees to cooperate fully with District and to provide District with the opportunity to review any response to discovery requests provided by Consultant; provided that this does not imply or mean the right by District to control, direct, or rewrite said response.

14. **Conflict of Interest; Disclosure of Interest.** Consultant covenants that neither it, nor any officer or principal of its firm, has or shall acquire any interest, directly or indirectly, which would conflict in any manner with the interests of District or which would in any way hinder Consultant's performance of services under this Agreement. Consultant further covenants that in the performance of this Agreement, no person having any such interest shall be employed by it as an officer, employee, agent or subcontractor without the express written consent of the District.

- a. Consultant agrees to at all times avoid conflicts of interest or the appearance of any conflicts of interest with the interests of District in the performance of this Agreement.
- b. Bylaws of the Board 9270 BB and 9270(BB) E, as hereinafter amended or renumbered, require that a Consultant that qualifies as a "designated employee" must disclose certain financial interests by filing financial interest disclosures. By its initials below, Consultant represents that it has received and reviewed a copy of the Bylaws of the Board 9270 BB and 9270(BB) E and that it [____] does [X] does not qualify as a "designated employee".

_____ (Initials)

- c. Consultant agrees to notify the Superintendent, in writing, if Consultant believes that it is a "designate employee" and should be filing financial interest disclosures, but has not been required to do so by the District.

_____ (Initials)

15. **Compliance with Applicable Laws.** In connection with the Services and its operations, Consultant shall keep itself informed of and comply with all applicable federal, state and local laws, statutes, codes, ordinances, regulations and rules including, but not limited to, minimum wages and/or prohibitions against discrimination, in effect during the Term. Consultant shall obtain any and all licenses, permits and authorizations necessary to perform the Services. Neither District, nor any elected or appointed boards, officers, officials, employees or agents of District shall be liable, at law or in equity, as a result of any failure of Consultant to comply with this section.

- a. Without limiting the generality of the foregoing, Consultant shall comply with any applicable fingerprinting requirements as set forth in the Education Code of the State of California.

_____ (Initials)

16. **Unauthorized Aliens.** Consultant hereby promises and agrees to comply with all of the provisions of the Federal Immigration and Nationality Act, 8 U.S.C.A. §§ 1101, et seq., as amended, and in connection therewith, shall not employ “unauthorized aliens” as that term is defined in 8 U.S.C.A. §1324a(h)(3). Should Consultant so employ such individuals for the performance of work and/or services covered by this Agreement, and should any liability or sanctions be imposed against District for such employment, Consultant hereby agrees to and shall reimburse District for the cost of all such liabilities or sanctions imposed, together with any and all costs, including attorneys' fees, incurred by District.

17. **Non-Discrimination.** Consultant shall abide by the applicable provisions of the United States Civil Rights Act of 1964 and other provisions of law prohibiting discrimination and shall not discriminate, in any way, against any person on the basis of race, color, religious creed, national origin, ancestry, sex, age, physical handicap, medical condition or marital status in connection with or related to the performance of this Agreement.

18. **Assignment.** The expertise and experience of Consultant are material considerations for this Agreement. District has an interest in the qualifications of and capability of the persons and entities that will fulfill the duties and obligations imposed upon Consultant under this Agreement. In recognition of that interest, Consultant shall not assign or transfer this Agreement or any portion of this Agreement or the performance of any of Consultant’s duties or obligations under this Agreement without the prior written consent of the Board of Directors of the District. Any attempted assignment shall be ineffective, null and void, and shall constitute a material breach of this Agreement entitling District to any and all remedies at law or in equity, including summary termination of this Agreement.

19. **Subcontracting.** Notwithstanding the above, Consultant may utilize subcontractors in the performance of its duties pursuant to this Agreement, but only with the prior written consent of the District. The Consultant shall be as fully responsible to the District for the acts and omissions of his Subcontractors, and of persons either directly or indirectly employed by him/her, as if the acts and omissions were performed by him/her directly.

20. **Continuity of Personnel.** Consultant shall make every reasonable effort to maintain the stability and continuity of Consultant’s staff and subcontractors, if any, assigned to perform the services required under this Agreement.

- a. Consultant shall insure that District has a current list of all personnel and sub-contractors providing services under this Agreement.
- b. Consultant shall notify District of any changes in Consultant’s staff and subcontractors, if any, assigned to perform the services required under this Agreement, prior to and during any such performance. The list notice shall include the following information: (1) all full or part-time staff positions by title, including volunteer positions whose direct services are required to provide the services described herein; (2) a brief description of the functions of each such position and the hours each position works each week or, for part-time positions, each day or month, as appropriate; (3) the professional degree, if applicable, and experience required for each position; and (4) the name of the person responsible for fulfilling the terms of this Agreement.

21. **Indemnification.**

- a. Consultant agrees to defend, indemnify, and hold harmless District, its officers, agents, employees, and/or volunteers from any and all claims, demands, losses, damages and expenses, including legal fees and costs, or other obligations or claims arising out of any liability or damage to property, or any other loss, sustained or claimed to have been sustained arising out of activities of the Consultant or those of any of Consultant’s officers, agents, employees, or subcontractors, whether such act or omission is authorized by this Agreement or not. Consultant shall also pay for any and all damage to the Property of the District, or loss or theft of such Property, done or caused by such persons. District

assumes no responsibility whatsoever for any property placed on district premises. Consultant further agrees to waive all rights of subrogation against the District. The provisions of this Agreement do not apply to any damage or losses caused solely by the negligence of the District or any of its officers, agents, employees, and/or volunteers.

_____ (Initials)

- b. The provisions of this section do not apply to claims occurring as a result of District's sole negligence or willful acts or omissions.

22. **Insurance.** Consultant agrees to obtain and maintain in full force and effect during the term of this Agreement the insurance policies set forth in **Exhibit C** "Insurance" and made a part of this Agreement. All insurance policies shall be subject to approval by District as to form and content. These requirements are subject to amendment or waiver if so approved in writing by the District Superintendent. Consultant agrees to provide District with copies of required policies upon request.

23. **Notices.** All notices required or permitted to be given under this Agreement shall be in writing and shall be personally delivered, or sent by telecopier or certified mail, postage prepaid and return receipt requested, addressed as follows:

To District: Oxnard School District
 1051 South A Street
 Oxnard, California, 93030
 Attention: Robin Freeman
 Phone: 805.385.1501, x2032
 Fax: 805.483.7426

To Consultant: American Language Services
 1849 Sawtelle Blvd., Suite 600
 Los Angeles, CA 90025
 Attention: Jay Herzog
 Phone: (310) 829.0741 x305
 Fax: (866) 773.8591

Notice shall be deemed effective on the date personally delivered or transmitted by facsimile (provided confirmation of successful facsimile transmission shall be retained) or, if mailed, three (3) days after deposit of the same in the custody of the United States Postal Service.

24. **Excusable Delays.** Consultant shall not be liable for damages, including liquidated damages, if any, caused by delay in performance or failure to perform due to causes beyond the control of Consultant. Such causes include, but are not limited to, acts of God, acts of the public enemy, acts of federal, state or local governments, acts of District, court orders, fires, floods, epidemics, strikes, embargoes, and unusually severe weather. The term and price of this Agreement shall be equitably adjusted for any delays due to such causes.

25. **Authority to Execute.** The person or persons executing this Agreement on behalf of Consultant represents and warrants that he/she/they has/have the authority to so execute this Agreement and to bind Consultant to the performance of its obligations hereunder.

26. **Administration.** **ROBIN FREEMAN** shall be in charge of administering this Agreement on behalf of the District. The Administrator has completed **Exhibit D** "Conflict of Interest Check" attached hereto.

27. **Binding Effect.** This Agreement shall be binding upon the heirs, executors, administrators, successors and assigns of the parties.

28. **Entire Agreement.** This Agreement and the exhibits and documents incorporated herein constitute the entire agreement and understanding between the parties in connection with the matters covered herein.

29. **Amendment.** No amendment to or modification of this Agreement shall be valid or binding unless made in writing by the Consultant and by the District. The parties agree that this requirement for written modifications cannot be waived and that any attempted waiver shall be void.

30. **Waiver.** Waiver by any party to this Agreement of any term, condition, or covenant of this Agreement shall not constitute a waiver of any other term, condition, or covenant. Waiver by any party of any breach of the provisions of this Agreement shall not constitute a waiver of any other provision or a waiver of any subsequent breach or violation of any provision of this Agreement. Acceptance by District of any work or services by Consultant shall not constitute a waiver of any of the provisions of this Agreement.

31. **Governing Law.** This Agreement shall be interpreted, construed and governed according to the laws of the State of California. In the event of litigation between the parties, venue in state trial courts shall lie exclusively in the County of Ventura, California.

32. **Arbitration.** Any dispute arising out of the performance of this Agreement shall be resolved by binding arbitration in accordance with rules and procedures of the American Arbitration Association.

33. **Severability.** If any term, condition or covenant of this Agreement is declared or determined by any court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions of this Agreement shall not be affected thereby and the Agreement shall be read and construed without the invalid, void or unenforceable provision(s).

[THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, the District and Consultant have executed and delivered this agreement for consultant services as of the date first written above.

OXNARD SCHOOL DISTRICT:

AMERICAN LANGUAGE SERVICES:

Signature

Lisa A. Franz, Director, Purchasing

Typed Name/Title

Date

Tax Identification Number: 95-6002318

Signature

Typed Name/Title

Date

Tax Identification Number: _____

- Not Project Related
- Project #16-52

EXHIBIT A
TO AGREEMENT FOR CONSULTANT SERVICES #16-52

SERVICES

I. Consultant will perform the following Services under the Captioned Agreement:

Provide translation/interpreting services for parents who speak a language other than English or Spanish for parent conferences and meetings

II. As part of the Services, Consultant will prepare and deliver the following tangible work products to the District:

N/A

III. During performance of the Services, Consultant will keep the District appraised of the status of performance by delivering the following status reports under the indicated schedule:

| STATUS REPORT FOR ACTIVITY: | DUE DATE |
|------------------------------------|-----------------|
| A. N/A | |
| B. N/A | |
| C. N/A | |
| D. N/A | |

V. Consultant will utilize the following personnel to accomplish the Services:

- None.
- See attached list.

VI. Consultant will utilize the following subcontractors to accomplish the Services (check one):

- None.
- See attached list.

VII. AMENDMENT

The Scope of Services, including services, work product, and personnel, are subject to change by mutual Agreement. In the absence of mutual Agreement regarding the need to change any aspects of performance, Consultant shall comply with the Scope of Services as indicated above

- Not Project Related
 Project #16-52

EXHIBIT B
TO AGREEMENT FOR CONSULTANT SERVICES #16-52

COMPENSATION

I. Consultant shall use the following rates of pay in the performance of the Services:

*Per attached Proposal/Fee Schedule – Not to Exceed \$5,000.00

II. Consultant may utilize subcontractors as indicated in this Agreement. The hourly rate for any subcontractor is not to exceed \$ N/A per hour without written authorization from the District Superintendent or his designee.

III. The District will compensate Consultant for the Services performed upon submission of a valid invoice. Each invoice is to include:

- A. Line items for all personnel describing the work performed, the number of hours worked, and the Hourly or flat rate.
- B. Line items for all supplies properly charged to the Services.
- C. Line items for all travel properly charged to the Services.
- D. Line items for all equipment properly charged to the Services.
- E. Line items for all materials properly charged to the Services.
- F. Line items for all subcontractor labor, supplies, equipment, materials, and travel properly charged to the Services.

IV. The total compensation for the Services shall not exceed \$5,000.00, as provided in Section 4 of this Agreement.

EXHIBIT C
TO AGREEMENT FOR CONSULTANT SERVICES #16-52

INSURANCE

I. Insurance Requirements. Consultant shall provide and maintain insurance, acceptable to the District Superintendent or District Counsel, in full force and effect throughout the term of this Agreement, against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by Consultant, its agents, representatives or employees. Insurance is to be placed with insurers authorized to conduct business in the State of California and with a current A.M. Best's rating of no less than A, as rated by the Current edition of Best's Key Rating Guide, published by A.M. Best Company, Oldwick, New Jersey 08858. Consultant shall provide the following scope and limits of insurance:

A. Minimum Scope of Insurance. Coverage shall be at least as broad as:

(1) Commercial General Liability coverage of not less than two million dollars (\$2,000,000) Aggregate and one million dollars (\$1,000,000) per occurrence.

(2) Auto liability insurance with limits of not less than one million dollars (\$1,000,000).

(3) Insurance coverage should include:

1. owned, non-owned and hired vehicles;
2. blanket contractual;
3. broad form property damage;
4. products/completed operations; and
5. personal injury.

(4) Workers' Compensation insurance as required by the laws of the State of California.

~~_____ (5) Abuse and Molestation coverage of not less than two million dollars (\$2,000,000) per occurrence and five million dollars (\$5,000,000) Aggregate.~~

~~_____ (6) Professional liability (Errors and Omissions) insurance, including contractual liability, as appropriate to the Consultant's profession, in an amount of not less than the following:~~

~~_____ Accountants, Attorneys, Education Consultants, _____ \$1,000,000
_____ Nurses, Therapists~~

~~_____ Architects _____ \$1,000,000 or \$2,000,000~~

~~_____ Physicians and Medical Corporations _____ \$5,000,000~~

~~**Failure to maintain professional liability insurance is a material breach of this Agreement and grounds for immediate termination**~~

II. Other Provisions. Insurance policies required by this Agreement shall contain the following provisions:

Not Project Related

Project #16-52

A. All Policies. Each insurance policy required by this Agreement shall be endorsed and state the coverage shall not be suspended, voided, cancelled by the insurer or either party to this Agreement, reduced in coverage or in limits except after 30 days' prior written notice by Certified mail, return receipt requested, has been given to District

B. General Liability, Automobile Liability, and ~~Abuse/Molestation Coverages.~~

(1) District, and its respective elected and appointed officers, officials, employees and volunteers are to be covered as additional insureds (collectively, "additional insureds") as respects the following: liability arising out of activities Consultant performs; products and completed operations of Consultant; premises owned, occupied or used by Consultant ; automobiles owned, leased, hired or borrowed by Consultant, and ~~Abuse/Molestation~~. The coverage shall contain no special limitations on the scope of protection afforded to additional insureds.

(2) Each policy shall state that the coverage provided is primary and any insurance carried by any additional insured is in excess to and non-contributory with Consultant's insurance.

(3) Consultant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

(4) Any failure to comply with the reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to any additional insured.

III. Other Requirements. Consultant agrees to deposit with District, at or before the effective date of this contract, certificates of insurance necessary to satisfy District that the insurance provisions of this contract have been complied with. The District may require that Consultant furnish District with copies of original endorsements effecting coverage required by this Section. The certificates and endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. District reserves the right to inspect complete, certified copies of all required insurance policies, at any time.

A. If any Services are performed by subcontractor, Consultant shall furnish certificates and endorsements from each subcontractor identical to those Consultant provides.

B. Any deductibles or self-insured retentions must be declared to and approved by District. At the option of District, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects District or its respective elected or appointed officers, officials, employees and volunteers or the Consultant shall procure a bond guaranteeing payment of losses and related investigations, claim administration, defense expenses and claims.

C. The procuring of any required policy or policies of insurance shall not be construed to limit Consultant's liability hereunder nor to fulfill the indemnification provisions and requirements of this Agreement.

- Not Project Related
- Project #16-52

EXHIBIT D
TO AGREEMENT FOR CONSULTANT SERVICES #16-52

CONFLICT OF INTEREST CHECK

Bylaws of the Board 9270(BB)E requires that the Superintendent or a designee make a determination, on a case by case basis, concerning whether disclosure will be required from a consultant to comply with the District's Conflict of Interest Code (commencing with Bylaws of the Board 9270 BB).

Consultant's are required to file disclosures when, pursuant to a contract with the District, the Consultant will make certain specified government decisions or will perform the same or substantially the same duties for the District as a staff person would.

The services to be performed by Consultant under the Agreement to which this Exhibit D is attached constitute do not constitute governmental decisions or staff services within the meaning of the Conflict of Interest Code. Therefore, the Consultant, **AMERICAN LANGUAGE SERVICES**, who will provide Services under the Agreement, is is not subject to disclosure obligations.

Date: _____

By: _____
Lisa A. Franz
Director, Purchasing



AML-Global
AMERICAN LANGUAGE SERVICES

Making The World Smaller

**AMERICAN LANGUAGE SERVICES HAS BEEN SERVING THE
SOUTHERN CALIFORNIA EDUCATIONAL COMMUNITY SINCE 1985**

ISO Certified – 9001 & 13485

ABOUT AMERICAN LANGUAGE SERVICES

Founded in 1985, Southern California based American Language Services ® (AML-Global) evolved from an intimate language school into the leading interpreting and translating agency it is today. AML-Global provides a full range of international multi-language communication services and offers its unique services worldwide. Our language professionals are available 24 hours/ 7 days a week.

American Language Services is a worldwide leader in the translation and interpreting industry. By paying meticulous attention to details, AML-Global has earned an outstanding reputation for providing both written and verbal language services that are timely and cost effective. AML-Global translators, interpreters, transcriptionists and multimedia specialists are fluent in virtually every written and spoken language around the globe. Over many years, AML-Global has accumulated and developed some of the most impressive linguistic talent in the world. Our language experts are located in hundreds of countries across every continent, covering every time zone. These highly skilled professionals are recruited, screened and tested to ensure the quality of our work is at the highest level.

AML-Global understands the needs of the educational community in Southern California. Whether translating text, or transcribing audio and video files, we have skilled and experienced teams who work with the latest in technology, including CAT tools, a multitude of software, advanced hardware, web-interfacing, and desktop publishing programs. We have a secured, backed up network with encryption technology for the transferring and maintenance of files. This offers the highest level of security to ensure complete confidentiality and safekeeping of all data.

AML-Global offers our teams of highly skilled interpreters, technicians, project managers for any type of interpreting assignment. We also offer state-of-the-art interpreting equipment wherever it is needed, in the U.S. or internationally. From pre-planning to assignment completion, AML-Global will handle your requests efficiently, promptly and cost-effectively.

AML-GLOBAL QUALITY STATEMENT

American Language Services believes in providing real value to our clients. It is essential that all of our work is performed consistently and with the highest quality. Our expertly trained staff and extensive resources give us the ability to provide our clients with outstanding value through superior quality and service. The fundamental elements of our superior service are: timely responsiveness to client needs, returning communications to you in a rapid and detailed manner, providing quotes for projects that are clear and concise, answering questions in an honest and helpful manner as well as achieving our goal of 100% on-time delivery. Our essential core value is combining ultra-competitive pricing with outstanding quality. We understand that each of our clients is important and our goal is complete satisfaction and long term partnerships.

World Headquarters:

1849 Sawtelle Boulevard, Suite #600 • Los Angeles, California 90025

Phone: 800.951.5020 or 310.829.0741 Fax: 866.773.8591 email: translation@alsglobal.net

www.alsglobal.net



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SOUTHERN CALIFORNIA EDUCATIONAL COMMUNITY SINCE 1985**

ISO Certified – 9001 & 13485

INTERPRETING

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- Qualified and certified for *all languages*
- Emergency & last minute scheduling
- Specializing in parent teacher conferences, meetings, hearings, special education needs, and community events.
- 15 minute early courtesy arrival
- Simultaneous & consecutive interpreting
- Phone conferencing
- Native speakers from around the globe

TRANSLATION & TRANSCRIPTION

- IEP's, notices, curriculum, HR Docs
- Excellent rates with fast turnaround
- All deadlines met
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- **All Major Software**
InDesign, Quark, FrameMaker, PageMaker Pro, Microsoft Office, Adobe Products ... & many others
- PC & Mac operating platforms
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**AMERICAN LANGUAGE SERVICES
INTERPRETING RATES
SOUTHERN CALIFORNIA
AS OF AUGUST 1, 2014**

| LANGUAGE | HALF DAY UP TO 3 HOURS | FULL DAY 3+ TO 6 HRS | ADDITIONAL HOURLY RATE |
|----------|---------------------------|-------------------------|---------------------------|
|----------|---------------------------|-------------------------|---------------------------|

15 PRIME LANGUAGES

| | | | |
|---|--|---------|-------|
| SPANISH (LEGAL) | \$345 | \$565 | \$125 |
| SPANISH (TRIALS) | \$365 | \$585 | \$125 |
| SPANISH (QUALIFIED) | \$295 | \$495 | \$85 |
| ARABIC (LEGAL) | \$445 | \$775 | \$145 |
| ARABIC (QUALIFIED) | \$425 | \$725 | \$130 |
| ARMENIAN (LEGAL) | \$495 | \$850 | \$150 |
| ARMENIAN (QUALIFIED) | \$375 | \$725 | \$120 |
| CANTONESE (LEGAL) | \$550 | \$950 | \$180 |
| CANTONESE (QUALIFIED) | \$445 | \$795 | \$155 |
| JAPANESE (LEGAL) | \$895 | \$1,595 | \$285 |
| JAPANESE (QUALIFIED) | \$795 | \$1,295 | \$245 |
| KHMER (LEGAL) | \$575 | \$995 | \$175 |
| KHMER (QUALIFIED) | \$465 | \$795 | \$145 |
| KOREAN (LEGAL) | \$495 | \$950 | \$165 |
| KOREAN (QUALIFIED) | \$475 | \$795 | \$150 |
| MANDARIN (LEGAL) | \$550 | \$950 | \$180 |
| MANDARIN (QUALIFIED) | \$445 | \$795 | \$155 |
| PORTUGUESE (LEGAL) | \$495 | \$845 | \$165 |
| PORTUGUESE (QUALIFIED) | \$475 | \$775 | \$150 |
| PUNJABI (LEGAL) | \$575 | \$995 | \$175 |
| PUNJABI (QUALIFIED) | \$465 | \$795 | \$145 |
| RUSSIAN (LEGAL) | \$495 | \$985 | \$175 |
| RUSSIAN (QUALIFIED) | \$475 | \$795 | \$145 |
| TAGALOG (LEGAL) | \$725 | \$1,150 | \$195 |
| TAGALOG (QUALIFIED) | \$645 | \$995 | \$185 |
| VIETNAMESE (LEGAL) | \$575 | \$985 | \$170 |
| VIETNAMESE (QUALIFIED) | \$495 | \$785 | \$140 |
| AMERICAN SIGN LANGUAGE (LEGAL CERTIFIED) | \$150 PER HOUR, PER INTERPRETER, 2 HOUR MINIMUM | | |
| AMERICAN SIGN LANGUAGE (QUALIFIED) | \$95 PER HOUR, PER INTERPRETER, 2 HOUR MINIMUM | | |

LANGUAGES BY REGION

| | | | |
|----------------|-------|-------|-------|
| MIDDLE EASTERN | \$445 | \$795 | \$145 |
| MOST ASIAN | \$445 | \$795 | \$145 |
| MOST EUROPEAN | \$525 | \$895 | \$170 |

SPECIALIZED LANGUAGES

| | | | |
|---|-------|-------|-------|
| HEBREW, GREEK, THAI, CZECH, INDONESIAN, MONGOLIAN, CROATIAN, SERBIAN, SLAVIC, SLOVENIAN, BURMESE, AFRICAN, LAO, INDIAN, FILIPINO, AFGHAN, PAKISTANI & OTHERS | \$550 | \$985 | \$175 |
|---|-------|-------|-------|

- AML-Global offers interpreters for the 15 California Court Certified languages (listed above).
- Phone Interpreting available upon request.
- AML-Global rates are subject to change based on time of scheduling without prior notification. All other rates are subject to change
- Overtime fees may apply
- ASL Assignments over (2) hours require (2) interpreters.
- Rates effective August 1, 2014
- Rates may vary for trials
- Please note: We have a 24-hour cancellation policy for most languages and (48) hour for American Sign Language (ASL)
- Regional pricing may vary



AML-Global AMERICAN LANGUAGE SERVICES

Making The World Smaller

TRANSLATION RATES

| <i>LANGUAGE</i> | <i>PRICE PER WORD</i> |
|-----------------|-----------------------|
| Arabic | \$.18-.22 |
| Chinese | \$.18-.22 |
| Danish | \$.21-.24 |
| Dutch | \$.21-.24 |
| French | \$.18-.21 |
| German | \$.18-.21 |
| Hebrew | \$.21-.25 |
| Italian | \$.18-.21 |
| Japanese | \$.19-.24 |
| Korean | \$.19-.24 |
| Norwegian | \$.21-.24 |
| Portuguese | \$.16-.19 |
| Russian | \$.18-.21 |
| Spanish | \$.10-.14 |
| Swedish | \$.21-.24 |
| Vietnamese | \$.19-.24 |

Translation rates include: Translations, Proofing, and Editing

- Please note that this is a partial list. AML-Global can support any language combination
- Rates are subject to change. AML-Global rates are subject to change based on time of scheduling without prior notification.
- Project volume & deadline may affect pricing.
- Rates effective January 1, 2013
- All jobs are individually priced
- Standard delivery format is in Microsoft Word
- Technical elements may affect pricing.
- Pricing above reflects standard turnaround times.

World Headquarters

1849 Sawtelle Boulevard, Suite #600 • Los Angeles, California 90025

Phone: 800.951.5020 or 310.829.0741 Fax: 866.773.8591 email: translation@alsglobal.net

www.alsglobal.net

AMERICAN LANGUAGE SERVICES

TRANSCRIPTION RATES

| LANGUAGE | COST PER AUDIO HOUR | | LANGUAGE | COST PER AUDIO HOUR | |
|----------|---------------------|--|----------|---------------------|--|
|----------|---------------------|--|----------|---------------------|--|

(Partial List of over 150 Languages)

ENGLISH

| | Per Min | Per Hr | | Per Min | Per Hr |
|--------------------|---------|--------|------------------------------------|---------|--------|
| ENGLISH <> ENGLISH | \$3.50 | \$210 | BRITISH ENGLISH <> BRITISH ENGLISH | \$3.50 | \$210 |

AMERICAS

| | Per Min | Per Hr | | Per Min | Per Hr |
|--------------------|---------|--------|-----------------------|---------|--------|
| SPANISH <> ENGLISH | \$6 | \$360 | PORTUGUESE <> ENGLISH | \$7.50 | \$450 |

EUROPEAN

| | Per Min | Per Hr | | Per Min | Per Hr |
|----------------------|---------|--------|----------------------|---------|--------|
| BULGARIAN <> ENGLISH | \$8 | \$480 | HUNGARIAN <> ENGLISH | \$8 | \$480 |
| CATALAN <> ENGLISH | \$8 | \$480 | ITALIAN <> ENGLISH | \$8 | \$480 |
| DUTCH <> ENGLISH | \$8 | \$480 | POLISH <> ENGLISH | \$8 | \$480 |
| FRENCH <> ENGLISH | \$8 | \$480 | ROMANIAN <> ENGLISH | \$8 | \$480 |
| GERMAN <> ENGLISH | \$8 | \$480 | RUSSIAN <> ENGLISH | \$8 | \$480 |
| GREEK <> ENGLISH | \$8 | \$480 | UKRAINIAN <> ENGLISH | \$8 | \$480 |

MIDDLE EASTERN

| | Per Min | Per Hr | | Per Min | Per Hr |
|-------------------|---------|--------|-------------------|---------|--------|
| ARABIC <> ENGLISH | \$8 | \$480 | HEBREW <> ENGLISH | \$12 | \$720 |
| FARSI <> ENGLISH | \$8 | \$480 | | | |

ASIAN

| | Per Min | Per Hr | | Per Min | Per Hr |
|-----------------------|---------|--------|-----------------------|---------|--------|
| ARMENIAN <> ENGLISH | \$7.50 | \$450 | INDONESIAN <> ENGLISH | \$9.50 | \$570 |
| KHMER <> ENGLISH | \$9.50 | \$570 | JAPANESE <> ENGLISH | \$12 | \$720 |
| CEBUANO <> ENGLISH | \$7.50 | \$450 | KOREAN <> ENGLISH | \$12 | \$720 |
| CHINESE <> ENGLISH | \$7.50 | \$450 | KURDISH <> ENGLISH | \$9.50 | \$570 |
| DARI <> ENGLISH | \$7.50 | \$450 | PASHTO <> ENGLISH | \$7.50 | \$450 |
| HINDI <> ENGLISH | \$7.50 | \$450 | PUNJABI <> ENGLISH | \$7.50 | \$450 |
| HMONG <> ENGLISH | \$9.50 | \$570 | TAGALOG <> ENGLISH | \$7.50 | \$450 |
| TAIWANESE <> ENGLISH | \$9.50 | \$570 | THAI <> ENGLISH | \$9.50 | \$570 |
| TURKISH <> ENGLISH | \$7.50 | \$450 | URDU <> ENGLISH | \$7.50 | \$450 |
| VIETNAMESE <> ENGLISH | \$9.50 | \$570 | | | |

EXPEDITED TURNAROUND TIMES AVAILABLE

- Cost & turnaround time is determined by quality of audio, number of speakers, density of audio, time coding and audio format
- AML-Global rates are subject to change without prior notification
- Projects requiring both source & target language transcripts will be individually quoted
- Source to source language combinations are charged at 75% of the listed rates above.
- Rates effective January 1, 2013
- All jobs are individually priced
- Standard delivery format is in Microsoft Word
- Specialized projects will be quoted individually
- Minimums will apply for all languages
- There will be additional charges for time coding based on the language and specific requirements
- Expedited rates will apply

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AMERICAN LANGUAGE SERVICES EDUCATION CLIENT LIST (PARTIAL LIST)

ABC Unified School District
Acton School District Office
Alhambra Unified School District
Anaheim City School District
Antelope School District
Arizona State University
Azusa Unified School District
Baldwin Park Unified School District
Bassett Unified School District
Bellflower Unified School District
Beverly Hills Unified School District
Bonita Unified School District
Carlsbad Unified School District
Castaic Union School District
Centinella Valley Union School District
Charter Oak Unified School District
Claremont Unified School District
Compton Unified School District
Conejo Valley Unified School District
Corinne A. Seeds University Elementary School
Corona Norco Unified School District
Covina Valley Unified School District
Crescenta Valley Water District
Culver City Unified School District
DeVry University
Downey Unified School District
Duarte Unified School District
East Whittier City School District
Eastside Union District
El Rancho Unified School District
El Segundo Unified School District
Fairbanks North Star Borough School District
Federal Wage and Labor Law Institute
Franklin Elementary School
Garvey School District
Glendale Unified School District
Glendora Unified School District
Gorman School District
Hacienda La Puente Unified School District
Hampton University
Harvey Mudd College
Hawthorne School district
Hermosa Beach City School District
Hughes Elizabeth Lakes School District
Inglewood Unified School District
Keppel School District
La Canada Unified School System
Lancaster School District
Las Virgenes School District
LAUSD (Los Angeles) Community Outreach
LAUSD District 8, A, B, C, D, E, F, G, H, I, J
LAUSD Translation Unit
Lawndale School District
Learn.com
Lennox School District
Little Lake City School District
Long Beach City College CITD-CMTAC
Long Beach City College CITD-CMTAC
Long Beach Unified School District
Los Angeles County Office of Education
Los Nietos School District
Lynwood Unified School District
Marquez Charter School
MIND Institute
Monrovia Unified School District
Montebello Unified School District
NewHall School District

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AMERICAN LANGUAGE SERVICES EDUCATION CLIENT LIST (PARTIAL LIST) (continued)

| | |
|---|---|
| Orange County Department of Education | SELPA Los Angeles USD |
| Oxnard School District | SELPA Norwalk – La Mirada |
| Palmdale School District | SELPA Pasadena |
| Palos Verdes Peninsula | SELPA Santa Clarita |
| Paramount Unified School District | SELPA Southwest Service Area (Lawndale) |
| Pasadena Unified School District | SELPA Tri-Cities (Beverly Hills) |
| Placer County Office of Education | SELPA Ventura County |
| Pomona Unified School District | SELPA Whittier Area CO-OP |
| Redondo Beach Unified School District | Simi Valley Unified School District |
| Rio School District | South Pasadena Unified School District |
| Riverside Unified School District | South Whittier School District |
| Rosemead School District | Southern CA School of Interpreting |
| Rowland Unified School District | Stanford University |
| San Bernardino County Schools | Sulphur Springs School District |
| San Diego School District | Temple City Unified School District |
| San Francisco Unified School District | Torrance Unified School District |
| San Gabriel Unified School District | UCEA |
| San Marino Unified School District | UCLA Law School |
| Santa Monica – Malibu School District | UCLA Molecular Pharmacology Department |
| Saugus School District | University of Southern California |
| SELP Casa Pacifica | Walnut Valley Unified School District |
| SELPA Antelope Valley | West Covina Unified School District |
| SELPA Corona-Norco USD | Western Psychological Services |
| SELPA Downey-Montebello | Westside School District |
| SELPA East San Gabriel Valley (Arcadia) | Whittier City School District |
| SELPA East San Gabriel Valley (Covina) | Whittier Union High School District |
| SELPA East Valley Consortium | William S. Hart Union School District |
| SELPA Foothill (Glendale) | Wilsona School District |
| SELPA Long Beach | Wiseburn School District |

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BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT **X**
SECTION D: ACTION _____
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Approval of Agreement/MOU #16-54 - El Centrito Family Learning Centers – Ramona NfL Preschool (Freeman/Thomas)

This Agreement/MOU formalizes the partnership between Oxnard School District and El Centrito Family Learning Centers and makes it possible for each agency to use their resources to benefit the children of the Oxnard School District by providing young children with Head Start services at Ramona NfL Preschool for the 2016-2017 school year.

Term of the agreement: **August 4, 2016 through June 30, 2017**

FISCAL IMPACT:

No cost to the Oxnard School District. Custodial services to be paid by First 5/Oxnard NfL Funds.

RECOMMENDATION:

It is the recommendation of the Director, Curriculum, Instruction & Accountability, and the Assistant Superintendent, Educational Services that the Board of Trustees approve Agreement #16-54 with El Centrito Family Learning Centers.

ADDITIONAL MATERIAL(S):

Attached: Agreement #16-54, El Centrito Family Learning Centers (2 Pages)
 Personnel Disclosure (2 Pages)
 Certificate of Insurance (2 Pages)

Agreement/Memorandum of Understanding #16-54

Oxnard School District & El Centrito Family Learning Centers

This Memorandum of Understanding (MOU) explains and confirms the agreement between Oxnard School District (OSD) and El Centrito Family Learning Centers (El Centrito). The establishment of this partnership makes it possible for each Agency to use their resources to benefit the children of Oxnard School District by providing them with State Preschool services.

Memorandum of Understanding Purpose:

It is the purpose of this MOU to establish a cooperative and mutually beneficial relationship between OSD and El Centrito and to define responsibilities of the Agencies as they relate to providing high quality child development services for **Ramona NfL Preschool** located on the campus of Ramona Elementary School and within the boundaries of Oxnard School District. The facilities of **Ramona NfL Preschool** will be used to provide full day year round services of the State Preschool option. Instructional calendar begins Monday August 8, 2016 and ends June 30, 2017. El Centrito staff may occupy facility starting August 4, 2016, prior to first day of instruction.

Memorandum of Understanding Term:

This MOU will be in effect from August 4, 2016 through June 30, 2017, with optional renewal in the subsequent year(s), if parties mutually agree and classroom space is available for use by El Centrito. OSD will notify El Centrito of the intent to renew MOU for 2017-2018 no later than April 30, 2017.

Memorandum of Understanding Agreement and Description of Services:

The Oxnard School District will provide the following:

1. Provide the use of one classroom in the Ramona NfL Preschool facility to accommodate up to 24 children.
2. Provide the use of a shared playground at Ramona NfL Preschool. Playground is shared with Ramona Kindergarten classrooms.
3. Provide custodial services five days per week and facility maintenance services when needed while the State Preschool program is operational. Preschool will be operational Monday thru Friday from 7 a.m. – 6 p.m. Custodial services are funded by the Oxnard NfL budget.

El Centrito Family Learning Centers agrees to:

1. Implement a State Preschool full day program for up to 24 children; 248 instructional days per year, at no cost to the Oxnard School District.
2. Provide teaching staff and instructional assistants to provide intensive educational services to the children attending the State Preschool option to be offered at Ramona NfL Preschool facility.
3. Incorporate State Preschool wrap around comprehensive services to children enrolled in the State Preschool option at Ramona NfL Preschool.

4. Participate in Rising Stars: Quality Rating Improvement System coordinated by Ventura County Office of Education, and to provide Oxnard School District with a copy of the Rising Stars rating.
5. Participate in First 5 data collection, research, evaluation studies or to provide information about El Centrito's program.
6. Continue to perform outreach to the Ramona neighborhood for enrollment eligibility.
7. No later than August 3, 2016, provide OSD with a copy of Community Care Licensing license certificate.
8. No later than August 3, 2016, provide OSD with a list of personnel at the site. (See attached Personnel Disclosure form.)
9. No later than August 3, 2016, provide OSD with a certificate of Insurance (General Liability, Workman's Comp, Abuse/Molestation) naming the Oxnard School District as "additional insured". "Additional Insured" evidenced by Endorsement number and a copy of the Endorsement on all Liability coverage.
10. No later than August 3, 2016, provide OSD with an instructional calendar.

Lisa A. Franz, Director, Purchasing
Oxnard School District

Date

Becky Rodriguez, Executive Director
El Centrito Family Learning Centers

Date

PERSONNEL DISCLOSURE TEMPLATE -- EL CENTRITO FAMILY LEARNING CENTERS

| Name of Employee | Staff Position | Full or Part Time | Brief Position Description | Degree / Experience Required |
|-------------------------|--|---------------------------------------|---|--|
| Jimena Hernandez | Ramona Preschool Supervisor/ Project Director for CSPP | Full Time (Only Part Time for Ramona) | Duties include: provide supervision and professional development opportunities to preschool site supervisors; support implementation of best practices in instruction, developmentally appropriate lesson plans that reflect California Preschool Curriculum Foundations, classroom management and interventions; guide parent engagement efforts; coordinate completion of ASQ, DRDP, PALS & PPVT assessments and monitor follow-up activities. Monitor compliance with all licensing requirements. | BA in Early Childhood Studies from CSUCI. Program Director level permit. 10 years of experience as early childhood educator, including as a site supervisor. Completed training on the California Preschool Curriculum Framework & Foundations and the DRDP-2015 |
| Estela Tapia | Site Supervisor/Lead Teacher | Full Time | Serves as site supervisor for California State licensing purposes, and is supervised by Early Education Manager/Project Director. Responsible for daily coordination of the program. Plan and implement preschool activities aligned to program goals, CA Foundations, and CSPP guidelines; prepare developmentally appropriate curricula, conduct monthly parent meetings and parent engagement activities. Collaborate with Program Director to coordinate completion of Desired Results system, including student assessments, parent surveys and program self-assessment. Collaborate with Program Director & Eligibility Specialist to maintain enrollment levels. Submit attendance data monthly to CSPP data system. | AS degree, 27 ECE/CD units including 3 units of Adult Supervision, Site Supervisor Permit, First Aid/ CPR Certificate, Health & Safety Training, cleared criminal record background check, & TB clearance. |

PERSONNEL DISCLOSURE TEMPLATE

| Name of Employee | Staff Position | Full or Part Time | Brief Position Description | Degree / Experience Required |
|---|---------------------------------------|---------------------------------------|---|--|
| Elizabeth Rodriguez | Teacher Assistant | Full Time | Plan and implement preschool activities aligned to program goals; prepare daily developmentally appropriate curriculum; complete child assessments, and conduct necessary parent meetings. | AA degree, 24+ ECE units including 6 in adult supervision, Master Teacher Permit, First Aid/ CPR Certificate, cleared criminal record background check, & TB clearance. |
| Maria Leos | Teacher Assistant | Full Time | Plan and implement preschool activities aligned to program goals; prepare daily developmentally appropriate curriculum; complete child assessments, and conduct necessary parent meetings. | 24+ ECE units, Teacher permit, First Aid/ CPR Certificate, cleared criminal record background check, & TB clearance. |
| Anna Geer | Program Planning & Evaluation Manager | Full Time (Only Part Time for Ramona) | Responsible for monitoring fulfillment of contract provisions, reviewing and analyzing assessment and attendance data, and submitting monthly reports. Also responsible for monitoring progress towards benchmarks and alignment between assessment data, curriculum planning and evaluation. | Master of Social Welfare, 16 years of experience working with programs that support youth and families and six years of experience developing and evaluating educational programs. |
| Carmen Ramirez | Program Assistant | Full Time (Only Part Time for Ramona) | Provides administrative support for program data collection, reception downtown office, telephones, and assists with participant intakes and maintains program files. | Intermediate Level Administrative Program Assistant, 9 ECE units, First Aid/ CPR Certificate, cleared criminal record background check, & TB clearance. |
| *Note* Final Teacher assignments will be confirmed in August 2016; we will submit an updated disclosure if changes are made. | | | | |

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – DESIGNATED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):

Any person or organization that you are required to add as an additional insured on this policy, under a written contract or agreement currently in effect, or becoming effective during the term of this policy. The additional insured status will not be afforded with respect to liability arising out of or related to your activities as a real estate manager for that person or organization.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

1. In the performance of your ongoing operations; or
2. In connection with your premises owned by or rented to you.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations; whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT **X**
SECTION D: ACTION _____
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Approval of Agreement #16-55 - El Centrito Family Learning Centers – Mis Padres y Yo (Freeman/Thomas)

The agreement formalizes programming objectives, service levels, measures for success, and implementation strategies that will guide the efforts of El Centrito Family Learning Centers. Mis Padres y Yo is a Parent and Child Together (PACT) strategy. Workshops focus on providing child development and nurturing support for parents of infants to 3 year olds.

Term of the agreement **August 4, 2016 to June 30, 2017**

FISCAL IMPACT:

\$17,500.00 to be paid out of First 5/Oxnard Neighborhood for Learning funds.

RECOMMENDATION:

It is the recommendation of the Director, Curriculum, Instruction & Accountability, and the Assistant Superintendent, Educational Services that the Board of Trustees approve Agreement #16-55 with El Centrito Family Learning Centers.

ADDITIONAL MATERIAL:

- Attached:** Agreement #16-55, El Centrito Family Learning Centers (13 pages)
- Exhibit A Reporting and Expenditure Timelines (1 Page)
- Exhibit B Service Provisions (1 Page)
- Exhibit C Line Item Budget (1 Page)
- Exhibit D Payment Method (1 Page)
- Certificate of Insurance (2 Pages)

**OXNARD SCHOOL DISTRICT
AGREEMENT #16-55**

This **AGREEMENT** is between the **OXNARD SCHOOL DISTRICT**, hereinafter called "**DISTRICT**", and **EL CENTRITO FAMILY LEARNING CENTERS**, P.O. Box 1613, Oxnard, California 93030, hereinafter referred to as "**SUBCONTRACTOR**".

WHEREAS, the **DISTRICT** is organized and existing, and authorized to enter into contracts for certain matters, pursuant to the provisions of the California Education Code; and

WHEREAS, the **DISTRICT** has entered, or will enter, into Agreement ("First 5 Agreement") with the Ventura County Children and Families First Commission (also known as "First 5 Ventura County"), hereafter "**COMMISSION**", which is organized and existing pursuant to the provisions of California Health and Safety Code, section 130100 et seq., and is authorized to enter into any contracts necessary or appropriate to carry out its lawful purposes as set forth in Division 108 of said code; and

WHEREAS, pursuant to the First 5 Agreement, **COMMISSION** selected **DISTRICT** to receive a portion of **COMMISSION**'s allocation from revenues collected from the Proposition 10 excise taxes; and

WHEREAS, **DISTRICT** and **SUBCONTRACTOR** are qualified by reason of experience, preparation, organization, staffing, and facilities to provide the services contemplated by this Agreement; and

WHEREAS, **DISTRICT** selected **SUBCONTRACTOR**, to render certain services and, in particular to operate as part of the First 5/Oxnard Neighborhood for Learning Program described in the First 5 Agreement, **MIS PADRES y YO**, hereinafter referred to as "**Program**" for fiscal year FY 2016-2017.

WHEREAS, "funding period" refers to a specific period of time for which there are corresponding service provisions and a budget. "Term" or "contract term" refers to the entire term of the whole Agreement and may encompass multiple funding periods.

NOW, THEREFORE, the parties hereto do mutually agree to the terms and conditions of this Agreement, as follows:

SECTION 1 - GENERAL PROVISIONS

- 1.1 ADMINISTRATION.** **DISTRICT** Director of Early Childhood Education Programs, hereinafter referred to as **District Representative**, shall represent **DISTRICT** in all matters pertaining to this Agreement and shall administer this Agreement on behalf of **DISTRICT**. **District Representative** shall receive and approve claims for payment, audit and inspect records, monitor Program services, and provide other technical guidance as required. **SUBCONTRACTOR**'s Executive Director (or equivalent position) shall be in charge of performing this Agreement and shall administer this Agreement on behalf of **SUBCONTRACTOR**. Any change to terms and conditions to this Agreement shall comply with SECTION 2, paragraph 2.28.
- 1.2 TERM.** The term of this Agreement shall commence on and shall continue through the dates set forth in Exhibit D, during which time **SUBCONTRACTOR** shall perform the services required under this Agreement.
- 1.3 COMPENSATION.** **DISTRICT** agrees to pay **SUBCONTRACTOR** a sum not to exceed the amount specified in Exhibit D for services outlined in SECTION 3 and performed during the term of this Agreement in accordance with the method of payment stipulated in SECTIONS 2 and 4.

- 1.4 NOTICES.** All notices required or permitted to be given pursuant to this Agreement may be personally served on the other party by the party giving such notice, or may be served by certified mail, postage prepaid, return receipt requested, to DISTRICT attention Noemi Valdes, Director of Early Childhood Education Programs, Oxnard School District at 1051 South A Street, Oxnard, California 93030, and to SUBCONTRACTOR at P.O. Box 1613, Oxnard, California 93030, Attention: Becky Rodriguez.

SECTION 2 - STANDARD PROVISIONS

- 2.1 INDEPENDENT CONTRACTOR.** For all purposes arising out of this Agreement, it is understood and agreed that SUBCONTRACTOR is at all times an independent contractor and that no relationship of employer-employee exists between the parties hereto. SUBCONTRACTOR will not be entitled to any benefits payable to employees of DISTRICT, including but not limited to overtime, retirement benefits, workers' compensation benefits, injury leave or other leave benefits. DISTRICT is not required to make any tax or benefit deductions from the compensation payable to SUBCONTRACTOR under the provisions of this Agreement. As independent contractors, SUBCONTRACTOR and DISTRICT hereby hold each other harmless from any and all claims that may be made against SUBCONTRACTOR or DISTRICT based upon any contention by any third party that an employer-employee relationship exists by reason of the Agreement.

If, in the performance of this Agreement, any third persons are employed by SUBCONTRACTOR, such persons will be entirely and exclusively under the direction, supervision and control of SUBCONTRACTOR. All terms of employment, including hours, wages, working conditions, discipline, hiring and discharging or any other terms of employment or requirements of law, will be determined by SUBCONTRACTOR. DISTRICT will have no right or authority over such persons or the terms of such employment, except as provided in this Agreement.

- 2.2 SUBCONTRACTOR'S EMPLOYEES AND EQUIPMENT.** SUBCONTRACTOR agrees that SUBCONTRACTOR has secured or shall secure at SUBCONTRACTOR's own expense all persons, employees and equipment required to perform the services required under this Agreement, and that all such services shall be performed by SUBCONTRACTOR or under SUBCONTRACTOR's supervision by persons authorized by law to perform such services.

- 2.3 PERSONNEL DISCLOSURE.** SUBCONTRACTOR shall make available to DISTRICT a current list of all personnel providing services under this Agreement. Any changes to this list, including but not limited to vacancies, extended leaves of absence and new hires, shall be immediately provided to DISTRICT in writing. The list shall include: (1) all full or part-time staff positions by title, including volunteer positions whose direct services are required to provide the services described herein, (2) a brief description of the functions of each such position and the hours each position works each week or, for part-time positions, each day or month, as appropriate, (3) the professional degree, if applicable, and experience required for each position, and (4) the name of the person responsible for fulfilling the terms of this Agreement.

SUBCONTRACTOR shall not knowingly employ in any capacity the Program, paid or volunteer staff convicted of any crime of violence (including cruelty to animals) or of any sexual crime against an adult or child. SUBCONTRACTOR shall immediately notify DISTRICT of the arrest or the conviction, for other than minor traffic offenses, of any paid employee or volunteer staff when such information becomes known to SUBCONTRACTOR's. SUBCONTRACTOR has a duty to investigate the background of any employees, staff or volunteers coming into contact with children and to disclose any findings of violent crimes, crimes of a sexual nature and crimes involving the use of drugs or alcohol to the DISTRICT. Failure to investigate and/or failure to report findings, constitutes a default under this Agreement which could result in termination of this Agreement and/or withdrawal of funding.

- 2.4 RESPONSIBILITY FOR EQUIPMENT.** DISTRICT shall not be responsible nor be held liable for any damage to person or property consequent upon the use or misuse of any equipment used by SUBCONTRACTOR or any of SUBCONTRACTOR's employees. If equipment is furnished, rented, or loaned to SUBCONTRACTOR by DISTRICT, the acceptance or use of any such equipment by SUBCONTRACTOR or SUBCONTRACTOR's employees shall be construed to mean that SUBCONTRACTOR accepts full responsibility for and agrees to exonerate, indemnify and hold harmless

DISTRICT from and against any and all claims for any damage whatsoever resulting from the use, or misuse, of such equipment. The DISTRICT is not responsible for any equipment or property that is lost, stolen, damaged, or left behind by SUBCONTRACTOR.

2.5 INDEMNIFICATION AND HOLD HARMLESS. All activities and work covered by this Agreement shall be at the risk of SUBCONTRACTOR alone. SUBCONTRACTOR agrees to defend, indemnify and hold harmless (i) the COMMISSION, all of its Commissioners, committee members, employees, agents and volunteers and (ii) the DISTRICT, including each of the DISTRICT's Board of Trustees, committee members, officers, employees, attorneys, agents and volunteers, against any and all claims or lawsuits, judgments, debts, demands and liability whether against SUBCONTRACTOR, DISTRICT or others, including those arising from injuries or death of persons and for damages to property, arising directly or indirectly out of the obligations herein described or undertaken or out of operations conducted or subsidized in whole or in part by SUBCONTRACTOR, save and except claims or litigation arising through the sole negligence, wrongdoing, or the willful misconduct of DISTRICT or the COMMISSION, as applicable. It is specifically agreed that the obligation to indemnify DISTRICT includes any claim by the COMMISSION of a violation of any provision of the First 5 Agreement in connection with, or related to, this Agreement or the services contemplated herein.

DISTRICT agrees to defend, indemnify and hold harmless SUBCONTRACTOR including all of its employees, agents, representatives, and attorneys against any and all claims or lawsuits, judgments, debts, demands and liability whether against SUBCONTRACTOR, DISTRICT or others, including those arising from injuries or death of persons and for damages to property, arising directly out of DISTRICT's active negligence, wrongdoing or the willful misconduct of DISTRICT.

2.6 CONTAMINATION AND POLLUTION. SUBCONTRACTOR, solely at its own cost and expense, will provide clean up of any premises, property or natural resources contaminated or polluted due to SUBCONTRACTOR activities related to the Program. Any fines, penalties, punitive or exemplary damages assigned due to contaminating or polluting activities as described herein of the SUBCONTRACTOR will be borne entirely by the SUBCONTRACTOR.

2.7 INSURANCE.

2.7.1 SUBCONTRACTOR, at its sole cost and expense, shall obtain and maintain in full force, during the term of this Agreement, the following types of insurance:

2.7.1.1 Commercial General Liability "occurrence" coverage in the minimum amount of \$1,000,000 for bodily injury and property damage each occurrence and \$2,000,000 general aggregate limits Project, or Location, including personal injury and advertising injury liability, in the amount of \$1,000,000 per occurrence, products/completed operations aggregate in the amount of \$1,000,000 fire legal liability, and \$100,000 limit for damage to premises rented to you, if applicable.

2.7.1.2 Commercial Automobile Liability coverage in the minimum amount of \$1,000,000 combined single limit (CSL) bodily injury and property damage, including owned (if any, which requires symbol 1 coverage), non-owned and hired automobiles.

2.7.1.3 Personal Automobile Liability coverage, in the minimum amounts of \$100,000 per Person and \$300,000 each Accident Bodily Injury and \$100,000 each Accident Property Damage for each vehicle to be operated in association with this contract that is not insured under Commercial Automobile Liability.

2.7.1.4 Workers' Compensation coverage, in full compliance with California statutory requirements, for all employees of SUBCONTRACTOR and Employer's Liability in the minimum amount of \$1,000,000, and a waiver of subrogation in favor of DISTRICT.

- 2.7.1.5 Professional Liability coverage in the minimum amount of \$1,000,000 each claim and \$2,000,000 annual aggregate with a maximum deductible of \$2,500 per claim. Policy shall be maintained for one year after the end of the contract period.
 - 2.7.1.6 Abuse/Molestation coverage in the minimum amount of \$1,000,000 per occurrence with minimum \$3,000,000 per occurrence for General Aggregate.
 - 2.7.1.7 All the insurance companies providing coverage under this Agreement must be A.M. Best rated A-VIII, with the exception of the workers compensation insurance if provided by State Compensation Insurance Fund. Insurance coverage must be provided by California licensed and admitted carriers.
- 2.7.2 All insurance required under this Agreement shall be primary coverage as respects DISTRICT, and any insurance or self-insurance maintained by DISTRICT shall be in excess of SUBCONTRACTOR's insurance coverage and shall not contribute to SUBCONTRACTOR's coverage. DISTRICT is to be notified immediately if any aggregate insurance limit is exceeded. Additional coverage must be purchased to meet requirements. If SUBCONTRACTOR is self-insured, SUBCONTRACTOR shall maintain the insurance enumerated in Section 2.7 herein during the term of this Agreement to pay covered claims which may arise as a result of SUBCONTRACTOR's performance of this Agreement.
- 2.7.3 The Oxnard School District is to be named as **Additional Insured** with respects to work done by SUBCONTRACTOR under the terms of this Agreement on all insurance required by this Agreement. However, this paragraph 2.7.3 shall not be construed to apply to Workers' Compensation coverage.

Additional Insured as evidenced by **Endorsement number and copy of the endorsement** on all Liability coverage; the Oxnard School District cannot solely be the Certificate Holder without being "Additional Insured".

- 2.7.4 Policies shall not be canceled, non-renewed or reduced in scope of coverage until after sixty (60) days written notice has been given to the DISTRICT.
- 2.7.5 SUBCONTRACTOR agrees to provide DISTRICT with the following insurance documents within 14 days after the execution of this Agreement:
- 2.7.5.1 Certificates of Insurance for coverage required under this Agreement. Certificate of Insurance must be issued as follows:
 - Oxnard School District
 - Attn: Lisa A. Franz, Director, Purchasing
 - 1051 South A Street, Oxnard, CA 93030The District must be added as an Additional Insured as follow: *Oxnard School District its officers, agents, employees, and/or volunteers are covered as additional insured.*
 - 2.7.5.2 Additional insured endorsements; and
 - 2.7.5.3 Sixty (60) day Notice Cancellation Clause endorsements.

2.8 ASSIGNABILITY. Each party shall not assign any interest in this Agreement, and shall not transfer any interest in the same, whether by assignment or novation, without the prior written consent of the parties thereto; provided, however, that claims for money due or to become due to SUBCONTRACTOR from DISTRICT under this Agreement may be assigned without such approval and notice of any such assignment or transfer shall be furnished promptly to DISTRICT.

2.9 INTEREST OF SUBCONTRACTOR. SUBCONTRACTOR covenants that SUBCONTRACTOR presently has no interest, including, but not limited to, other projects or independent contracts, which would conflict in any manner or degree with the performance of services required to be performed under this Agreement, and shall not directly or indirectly acquire any such interest.

SUBCONTRACTOR further covenants that in the performance of this Agreement no person known to SUBCONTRACTOR to have any such interest shall be employed or retained by SUBCONTRACTOR under this Agreement. SUBCONTRACTOR shall not hire DISTRICT employees to perform any portion of the work or services provided for herein including secretarial, clerical and similar incidental services except upon the written approval of DISTRICT.

2.10 HIRING DIRECTORS PROHIBITED. SUBCONTRACTOR shall not engage, nor compensate from contract funds, any of its governing body without the written approval of the DISTRICT.

2.11 SUBCONTRACTS. Functions undertaken by SUBCONTRACTOR may not be carried out under subcontracts. DISTRICT has the right to refuse reimbursement for obligations incurred under any subcontract.

2.12 NONDISCRIMINATION. SUBCONTRACTOR shall abide by the current provisions, and later revisions, of the United States Civil Rights Act of 1964, which prohibits discrimination against any service recipient on the basis of race, national origin or ancestry, age, religion, sex, marital status, political affiliation, or physical or mental condition. SUBCONTRACTOR shall comply with section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. § 794), pertaining to the prohibition of discrimination against qualified handicapped persons under any program or activity, which receives or benefits from federal financial assistance.

2.13 POLITICAL ACTIVITIES PROHIBITED. None of the funds, provided directly or indirectly, under this Agreement shall be used for any political activities or to further the election or defeat of any candidate for public office. Neither the contract nor any funds provided hereunder shall be utilized in support of any partisan political activities, or activities for or against the election of a candidate for an elected office.

2.14 RELIGIOUS ACTIVITIES PROHIBITED. There shall be no religious worship, instructions or proselytization as part of, or in connection with the performance of this Agreement. Active participation in religious worship or instruction cannot be a prerequisite for individuals receiving services utilizing Proposition 10 dollars. Expenditures of Proposition 10 dollars for religious services and practices are specifically prohibited. SUBCONTRACTOR must indicate how unlawful expenditures of Proposition 10 dollars for religious services and practices are to be avoided. Any religious indoctrination or encouragement incidental to the delivery of services under the application is strictly prohibited.

2.15 LICENSES AND STANDARDS. SUBCONTRACTOR shall conform to all applicable federal, state, county and local rules and regulations, including facility and professional licensing and certification laws, and shall keep in effect any and all licenses, permits, notices and certificates as are required for the duration of this Agreement. SUBCONTRACTOR shall further comply with, and be solely responsible for compliance with, all laws applicable to wages and hours of employment, nondiscrimination, occupational safety, environmental safety, fire safety, and health and sanitation.

In the performance of this Agreement, SUBCONTRACTOR shall comply with all applicable provisions of the California Welfare and Institutions Code, title 45 of the Code of Federal Regulations, all applicable laws and regulations of the United States, State of California, and DISTRICT and all administrative regulations, rules and policies adopted hereunder as each and all may now exist or be hereinafter amended or changed. In addition, SUBCONTRACTOR shall comply with all rules and regulations set forth in Federal Office of Management and Budget (OMB) Circular A-122 (cost principles for nonprofit organizations) or OMB Circular A-21 (cost principles for educational institutions) or OMB Circular A-87 (cost principles for state and local governments) as applicable to form of entity by which SUBCONTRACTOR transacts its business.

2.16 COMPLIANCE WITH FIRST 5 CALIFORNIA (F5CA). SUBCONTRACTOR shall comply with all rules, regulations, requirements, and directives of F5CA which impose duties and limitations upon COMMISSION and DISTRICT relating to activities performed by SUBCONTRACTOR under this Agreement, including reporting and evaluation, which are equally applicable to and made binding upon SUBCONTRACTOR.

2.17 COOPERATION WITH COMMISSION. SUBCONTRACTOR agrees to cooperate with COMMISSION and DISTRICT on the implementation, monitoring and evaluation of this Program and to comply with any and all reporting and evaluation requirements established by COMMISSION, including but not limited to submission of evaluation forms as required within thirty (30) days after the end of each reporting quarter under this Agreement.

2.18 CONFIDENTIALITY. DISTRICT and SUBCONTRACTOR agree to maintain the confidentiality of all information and records regarding Program participants or their immediate families, except as otherwise required by law.

2.19 MAINTENANCE OF RECORDS. SUBCONTRACTOR agrees to maintain all records pertaining to service delivery and fiscal and administrative control for five (5) years after final payment has been made, or until all pending DISTRICT, state, or federal audits are completed, whichever is later. Upon request, SUBCONTRACTOR shall make these records available within Ventura County to all authorized DISTRICT, state (including Auditor General) and federal personnel.

2.20 CUSTODY OF RECORDS. At its option, DISTRICT may within four (4) years of the Agreement's termination take custody of SUBCONTRACTOR's client records related to services provided under this Agreement upon Agreement termination. DISTRICT agrees that such custody shall conform to applicable confidentiality provisions of state and federal law. Said records shall be kept by DISTRICT in an accessible location within Ventura County and shall be available to SUBCONTRACTOR for examination and inspection.

2.21 FISCAL AND PERFORMANCE AUDITS AND INSPECTION OF RECORDS. Authorized federal, state or county representatives shall have the right to monitor, assess, or evaluate SUBCONTRACTOR's performance of Agreement in accordance with federal and state laws and regulations. The monitoring, assessments, or evaluations shall relate only to Program and may include but are not limited to audits, inspection of premises, reports, and interviews of Program staff and participants.

At any time during normal business hours, and as often as DISTRICT may deem reasonably necessary, SUBCONTRACTOR shall make available to DISTRICT, or authorized state, federal, or county officials for examination, all records pertaining to all matters covered by this Agreement and shall permit county, state or federal officials to audit, examine and make excerpts or transcripts from such records, and to make audits of all invoices, materials, payrolls, records of personnel, information regarding clients receiving services, and other data relating to all matters covered by this Agreement.

2.22 AUDIT REQUIREMENTS

2.22.1 The Single Audit Act requires sub-recipients (SUBCONTRACTOR) receiving \$500,000 or more of federal funds in a fiscal year to obtain an audit performed in accordance with the United States Office of Management and Budget (OMB) Circular A-128, A-133, or A-110. At a minimum, reports shall:

2.22.1.1 Indicate that the audit was performed in accordance with generally accepted government audit standards.

2.22.1.2 Indicate whether the service provision was operated in compliance with the terms of federal grants, contain a statement on internal controls, and specify the amount of funds received from DISTRICT.

2.22.2 SUBCONTRACTOR shall submit to DISTRICT copies of audit(s) and management letter(s) completed in accordance with this paragraph 2.23 within thirty (30) days of receipt by SUBCONTRACTOR.

2.23 PROGRESS REPORTS. SUBCONTRACTOR shall submit to DISTRICT progress reports in a format approved by DISTRICT in accordance with the schedule outlined in Exhibit A. The report shall detail all work performed for the reporting period outlined in Exhibit A under this Agreement by SUBCONTRACTOR.

2.24 EVALUATION STUDIES. As requested by DISTRICT, COMMISSION, and State Commission (CCFC), SUBCONTRACTOR shall participate in research and evaluation studies designed to show the effectiveness of SUBCONTRACTOR services or to provide information about SUBCONTRACTOR's Program.

2.24.1 SUBCONTRACTOR shall collect process and demographic data on participants, where appropriate.

2.24.2 SUBCONTRACTOR shall collect service and outcome data with measurement tools provided by COMMISSION / DISTRICT.

2.24.3 SUBCONTRACTOR shall provide DISTRICT demographic data, and service and outcome data in order for the DISTRICT to enter data in the evaluation software system designated by the COMMISSION/DISTRICT.

2.24.4 SUBCONTRACTOR shall submit complete data in accordance with the schedule outlined in Exhibit A.

2.25 WITHHOLDING. If SUBCONTRACTOR fails to comply with the conditions of this Agreement regarding reporting requirements in section 2.23 and in section 2.24 herein, the DISTRICT, at its sole discretion, may withhold payments until the deficiency is corrected.

2.26 OWNERSHIP, PUBLICATION, REPRODUCTION AND USE OF MATERIAL. DISTRICT shall have a royalty-free, non-exclusive and irrevocable license to publish, copy, translate, or use now and hereafter, all documents, data, films, tapes, and other materials developed by SUBCONTRACTOR under this Agreement, including materials covered by copyright, and DISTRICT and SUBCONTRACTOR reserves the right to authorize others to use or reproduce such materials.

DISTRICT shall retain ownership and have access to any report, preliminary findings, or data assembled by SUBCONTRACTOR under this Agreement. All such materials developed under the terms of this Agreement shall acknowledge the DISTRICT as the funding agent of the publication when applicable.

In addition, SUBCONTRACTOR must receive written permission from the DISTRICT prior to publication of any materials developed under this Agreement, and file with the DISTRICT a copy of all educational and training materials, curricula, audio/visual aids, printed material, and periodicals, assembled pursuant to this Agreement prior to publication.

If publication is approved by DISTRICT, SUBCONTRACTOR agrees to compensate the COMMISSION in the form of royalty-fees, if required by the COMMISSION, and to enter into an agreement with the COMMISSION for that purpose. In addition, SUBCONTRACTOR hereby grants the COMMISSION a non-exclusive, non-transferable, irrevocable license to reproduce, prepare derivative works, and distribute copies of any copyrighted works created, produced or developed in connection with this Agreement.

2.27 ATTRIBUTION. SUBCONTRACTOR agrees to use the First 5 Ventura County logo ("Logo"), provided by DISTRICT, for all printed material specific to the Program funded by DISTRICT under this Agreement. Materials shall include, but not be limited to brochures; flyers; handbooks; television, radio, print ads, and public service announcements; and presentations. If the SUBCONTRACTOR performs a Program that is

identified in the DISTRICT's NfL Strategic Plan then they are required to use to the Logo adapted for their Program. If there is a separate logo for the Program, the Logo placed shall be placed on the same page as the Program logo. When a majority of the Program funding is from the DISTRICT, the Logo size shall be larger or equal to that of the Program logo. When less than a majority of the Program funding is from the DISTRICT, the Logo shall not be less than 50% of the Program logo. The Logo and attribution language can be used in combination. Attribution language may include, "Funded by:" placed over the logo, or "Supported, in part, through a grant from:" placed over the logo.

For DISTRICT'S Oxnard Neighborhood for Learning Program, "First 5" shall precede the name of the Oxnard Neighborhood for Learning. SUBCONTRACTOR shall refer to the program as the "First 5 Oxnard Neighborhood for Learning" in all verbal communications and materials as defined in Section 2.27 herein.

2.28 CHANGES AND AMENDMENTS. DISTRICT and SUBCONTRACTOR may from time to time modify this Agreement. Such changes shall be effective when incorporated in written amendments to this Agreement and approved and executed by DISTRICT and SUBCONTRACTOR. If any provisions of this Agreement are held invalid, the remainder of this Agreement shall not be affected thereby if such remainder conforms to the terms and requirements of applicable law.

2.29 TERMINATION FOR CAUSE.

2.29.1 Upon breach of this Agreement by either party hereto, the other party shall have the right, by giving written notice specifying the effective date, to terminate this Agreement in whole or in part for cause, which may include but is not limited to:

2.29.1.1 Failure for any reason of a party to fulfill, in a timely and proper manner, its obligations under this Agreement, including payment of funds or compliance with the approved Program and attached conditions, and such statutes, Executive Orders, and federal directives as may become applicable at any time; or

2.29.1.2 Submission by SUBCONTRACTOR to DISTRICT of reports that are incorrect or incomplete in any material respect; or

2.29.1.3 SUBCONTRACTOR's ineffective or improper use of funds provided by DISTRICT under this Agreement.

2.29.2 Upon a breach by SUBCONTRACTOR, DISTRICT, at its sole discretion or at direction of CCFC, and in addition to and any other remedies available at law, in equity, or otherwise specified in this Agreement, including immediate termination, may take any one or more of the following actions provided that the action taken is proportionate to the damage sustained by DISTRICT by reason of SUBCONTRACTOR's breach:

2.29.2.1 Afford SUBCONTRACTOR a time period within which to cure the breach, which period shall be established at sole discretion of the District Representative or at direction of CCFC.

2.29.2.2 Discontinue payment to SUBCONTRACTOR for the inclusive period in which SUBCONTRACTOR is in breach, which payment shall not be entitled to later recovery.

2.29.2.3 Withhold funds pending curing of the breach.

2.29.2.4 Offset against any monies billed by SUBCONTRACTOR but yet unpaid by DISTRICT those monies disallowed pursuant to 2.28.1 above.

2.30 TERMINATION FOR CONVENIENCE. Either DISTRICT or SUBCONTRACTOR may terminate this Agreement without cause, upon sixty (60) days written notice to the other party.

2.31 TERMINATION DUE TO CESSATION OF STATE FUNDING. DISTRICT shall have the right to terminate this Agreement upon ten (10) days written notice in the event that the receipt by DISTRICT of funds from the State for this Program is reduced, suspended or terminated for any reason. SUBCONTRACTOR hereby expressly waives any and all claims against DISTRICT for damages arising from the termination, suspension or reduction of the funds provided by the State or federal government to DISTRICT for the Program under which this Agreement is made, or of the portion thereby delegated by this Agreement; provided said termination, suspension or reduction is not the result of DISTRICT's conduct.

2.32 CLOSE-OUT UPON TERMINATION. Upon termination of this Agreement, the parties shall perform all closeout procedures that are reasonable and necessary to complete the obligations owed, but not yet performed under this Agreement.

2.32.1 All reasonable and necessary costs defined under this Agreement and incurred up to the point of termination will be reimbursed to SUBCONTRACTOR by DISTRICT.

2.32.2 Any monies owed to DISTRICT by SUBCONTRACTOR may be offset against any compensation due to SUBCONTRACTOR for final payment from DISTRICT, as covered under this Agreement.

2.32.3 SUBCONTRACTOR shall return to DISTRICT any equipment, furniture, or supplies purchased in whole or in part with funds provided under this Agreement and all related parts. DISTRICT retains the right to waive this requirement.

2.33 PARTIAL PERFORMANCE. In the event less than all services are performed in a proper and timely manner, SUBCONTRACTOR shall be paid only the reasonable cost for the services performed for the payment period as determined by District Representative.

In the event SUBCONTRACTOR anticipates a disruption in services related to this Agreement, DISTRICT is to be notified immediately of the nature, anticipated impact, and duration of such disruption.

2.34 FAIR HEARING. SUBCONTRACTOR agrees to provide a system through which recipients of service shall have the opportunity to express and have considered their views, grievances, and complaints regarding the delivery of services.

2.35 MONITORING AND EVALUATION. DISTRICT shall monitor and evaluate SUBCONTRACTOR to ensure compliance with program objectives and services contained in SECTION 3.

2.36 CHILD ABUSE REPORTING. SUBCONTRACTOR shall require all employees, volunteers, consultants, subcontractors, or agents performing services under this Agreement who are required by section 11166, subdivision (a), of the Penal Code to report child abuse or neglect or are required by section 15630 of the Welfare and Institutions Code to report elder or dependent adult abuse or neglect, to sign a statement that he or she understands the reporting requirements and will comply with them.

2.37 PARTICIPATION WITH COMMISSION FUNDED INITIATIVES. SUBCONTRACTOR shall actively participate with all other First Five funded initiatives in the provision of the services contemplated by this Agreement and shall coordinate such provision of services with the Neighborhoods for Learning and all other DISTRICT funded programs.

2.38 SECURITY DEPOSITS. If SUBCONTRACTOR uses COMMISSION funds as its security deposit for leasing property in relation to the performance of this Agreement, SUBCONTRACTOR shall return to the DISTRICT any balance thereof within 45 days of the termination of the lease. However, if SUBCONTRACTOR's contract term ends prior to the termination of the lease, then any balance of the security deposit shall be returned to the DISTRICT within 45 days of the close of the SUBCONTRACTOR's contract term.

SECTION 3 - SERVICE PROVISIONS

3.1 PROGRAM DESCRIPTION. Exhibit B attached hereto is incorporated herein by this reference.

SECTION 4 - FISCAL PROVISIONS

4.1 PAYMENT METHOD. SUBCONTRACTOR shall be paid in accordance with the payment method as outlined in Exhibit D, for services rendered, provided that SUBCONTRACTOR is not in default under any provisions of this Agreement. Services shall be compared against the terms outlined in Section 3. Program services are to be provided throughout the full term of this Agreement.

DISTRICT shall reimburse SUBCONTRACTOR within thirty (30) working days after the receipt of a complete and accurate invoice. However, payment by DISTRICT in greater than 30 days, but less than 60 days after the date of DISTRICT's receipt of SUBCONTRACTOR's invoice, shall not be considered a substantial breach of this Agreement nor cause for termination of this Agreement.

4.2 SUPPLANTING OF PROP 10 FUNDS. Prop 10 moneys received from SUBCONTRACTOR under the First 5 Agreement will be used only to fund new or expand existing levels of service. Moneys are prohibited to be used to fund any existing levels of service. No moneys shall be used to supplant state or local General Fund money for any purpose, pursuant to the Revenue and Taxation Code section 30131.4.

4.3 INVOICES. By the fifteenth (15th) calendar day following the close of each payment period as outlined in Exhibit A of this Agreement, SUBCONTRACTOR shall submit to DISTRICT a complete and signed invoice; exception invoice for June due by July 7th. Invoice shall be prepared in a format approved by the DISTRICT. Such an invoice shall include an itemized listing, as detailed in line item budget, Exhibit C for each corresponding funding period, of actual services rendered. SUBCONTRACTOR will provide documents to support expenses invoiced in each period, such as, enrollment summaries, attendance registers, timecards, utility bills, instructional materials, etc. The invoice shall be submitted to: Oxnard School District, 1051 South A Street, Oxnard, California 93030, Attention: Noemi Valdes, Director of Early Childhood Education Programs.

DISTRICT shall review the invoice, verify adherence to Agreement requirements and services, and authorize payments to SUBCONTRACTOR based upon claims submitted, provided that SUBCONTRACTOR is not in default under any provision of this Agreement. DISTRICT shall not pay for unauthorized services rendered neither by SUBCONTRACTOR nor for claimed services which DISTRICT's monitoring staff shows have not been provided as required by this Agreement.

4.3.1 Final year-end invoices received more than 7 days after the close of funding period shall have a five (5) percent penalty imposed on the final invoiced amount. SUBCONTRACTOR may submit a written appeal of the penalty to the DISTRICT if there are extenuating circumstances that prohibited the timely submission of the invoice, but the DISTRICT retains the exclusive right to decide whether it will waive the penalty or not.

4.4 SUPPLEMENTAL INVOICES. No supplemental invoice shall be accepted by DISTRICT without prior notification to DISTRICT of the need and justification for such an invoice and authorization by DISTRICT to submit such invoice. Payments for authorized supplemental invoices shall be made as part of the next regular claim cycle.

4.5 BUDGET JUSTIFICATION.

4.5.1 Line Item. SUBCONTRACTOR charges shall be justified by the line item budget as attached, which is made a part of this Agreement by reference as Exhibit C, and which shall constitute a commitment by SUBCONTRACTOR to deliver the basic categorical resources stated herein.

4.5.2 Budget Changes. SUBCONTRACTOR may transfer funds between the line items set forth in Exhibit C for each corresponding funding period if such transfers represent less than a 10% (percent) increase to that item. Changes greater than 10% (percent) must be negotiated with and approved by the COMMISSION. No change pursuant to this provision shall increase the maximum amount of the contract.

4.6 WORKING CAPITAL. SUBCONTRACTOR must provide for sufficient working capital to meet the fiscal demands of this Agreement.

4.7 BUDGET DEVIATIONS. Deviations exceeding 10 percent (10%) of any single category proposed in the line item budget (Exhibit C) must receive prior DISTRICT approval before payment to SUBCONTRACTOR. In the event the actual cost of the Program is less than specified in Exhibit C, any unspent grant funds shall revert to COMMISSION. In the event the Program costs more than originally specified, SUBCONTRACTOR shall bear the responsibility for the excess cost.

4.8 MINIMUM STANDARDS. SUBCONTRACTOR shall maintain the following minimum standards with regard to salaries and benefits for Program employees:

4.8.1 All of the Program employees shall receive basic statutory coverage of Workers' Compensation, and Unemployment Insurance Benefits; and

4.8.2 All wages and benefits paid to Program employees which are no less than the minimum required by applicable state and federal law.

4.9 AUDIT EXCEPTIONS. SUBCONTRACTOR agrees to indemnify DISTRICT for State audit exceptions resulting from contract non-compliance on the part of SUBCONTRACTOR, and for claims made against DISTRICT arising from SUBCONTRACTOR performance of this Agreement.

DISTRICT agrees to indemnify SUBCONTRACTOR for State audit exceptions resulting from contract non-compliance on the part of DISTRICT, and for claims made against SUBCONTRACTOR arising from DISTRICT performance of this Agreement.

4.10 CONDITIONS PREREQUISITE TO PAYMENTS. Notwithstanding any other provision of this Agreement, and provided that the action taken is proportionate to SUBCONTRACTOR's alleged conduct, DISTRICT may elect not to make a particular payment on this Agreement if:

4.10.1 Misrepresentation. SUBCONTRACTOR knowingly made any misrepresentation of a material fact with respect to any information furnished by SUBCONTRACTOR directly to DISTRICT.

4.10.2 Litigation. There is then pending litigation with respect to the performance by SUBCONTRACTOR of any of its duties or obligations necessary hereunder which may jeopardize or adversely affect the undertaking or the carrying out of the Program.

4.10.3 Unauthorized Actions by SUBCONTRACTOR. SUBCONTRACTOR shall have taken any action pertaining to this Agreement, which required prior DISTRICT approval, without having first received said approval.

4.10.4 Default. SUBCONTRACTOR is in default under any provision of this Agreement and has not cured or taken reasonably prompt steps to commence the curing of such default.

4.10.5 Fiscal and Non-Fiscal Reporting. SUBCONTRACTOR has not submitted the required statements and reports as specified in this Agreement.

4.10.6 Suspension of Services. If DISTRICT withholds payment pursuant to this section 4.10, SUBCONTRACTOR may suspend providing services under this Agreement, after giving the DISTRICT ten (10) days' notice thereof, until the parties hereto have resolved the issue which gave rise to the DISTRICT's withholding of payment.

4.11 REIMBURSEMENT. SUBCONTRACTOR shall not claim reimbursement from DISTRICT, or apply sums received from DISTRICT, with respect to that portion of its obligations, which have been paid by another source of revenue. SUBCONTRACTOR agrees that it shall not use funds received pursuant to this Agreement, either directly or indirectly, as a contribution or compensation for purposes of obtaining (1)

state funds under any state program, or (2) DISTRICT funds under any DISTRICT program, without prior written approval of DISTRICT.

4.12 PURCHASE OF FIXED ASSETS & INFRASTRUCTURE PROJECTS. SUBCONTRACTOR shall not purchase any fixed assets or implement an infrastructure project under the terms of this Agreement.

4.13 MATCHING FUNDS. SUBCONTRACTOR shall provide matching funds in accordance with the minimum percent outlined in Exhibit C for each corresponding funding period of payments made to SUBCONTRACTOR by DISTRICT. "Matching funds" are defined as the resources (cash or in-kind) provided by SUBCONTRACTOR used to accomplish a proposed scope of work. Matching funds shall be verifiable from the SUBCONTRACTOR's records. Actual amounts shall be reported **monthly** on the invoice. If at the end of the contract period, the project is unable to/did not meet the minimum match requirement, the DISTRICT reserves the right to reduce and/or recover the proportional amount of funds provided to the project.

SECTION 5 – MISCELLANEOUS

5.1 GOVERNING LAW. This Agreement was executed and delivered within the State of California, and the rights and obligations of the parties hereto shall be construed and enforced in accordance with and governed by the laws of the State of California. Proper venue for the resolution of any dispute hereunder which the parties are unable to resolve through negotiation, or mutually agreed to non-binding mediation, shall be with the superior courts of the County of Ventura, California.

5.2 WAIVER. The failure of a party to insist in any one or more instances upon the performance of any provision of this Agreement shall not be construed as a waiver or relinquishment of that party's right to future performance of such provision and the other party's obligation in respect to such future performance shall continue in full force and effect.

5.3 COMPLIANCE WITH LAWS. In the performance of this Agreement, both parties shall comply with all laws, rules, regulations, decrees and other ordinances issued by any governmental or other state or federal authority relating to the subject matter of this Agreement in the performance by the parties hereto of their obligations hereunder.

5.4 WHOLE AGREEMENT. This Agreement sets forth and shall constitute the entire Agreement between the parties with respect to the subject matter hereof and shall supersede any and all promises, representations, warranties or other statements, whether written or oral, made by or on behalf of one party to the other of any nature whatsoever or contained in any leaflet, brochure or other document given by one party to the other concerning such subject matter.

5.5 NO JOINT VENTURE, PARTNERSHIP OR AGENCY. Nothing in this Agreement shall create a partnership, agency or joint venture between the parties hereto, and, save as expressly provided in this Agreement, neither party shall enter into or have authority to enter into any engagement or make any representation or warranty on behalf or pledge the credit of or otherwise bind or obligate the other party hereto.

5.6 COMMUNICATIONS. A communication shall have effect for the purpose of this Agreement and shall be deemed to have been received by the party to whom it was made:

(a) If delivered by hand, upon receipt by the relevant person for whose attention it should be addressed under Paragraph 1.4, or upon receipt by any other person then upon the premises at the relevant address who reasonably appears to be authorized to receive mail or other messages on behalf of the relevant party; and

(b) If sent by telex or facsimile, upon the transmission of the communication to the relevant telex or facsimile number and the receipt by the transmitting telex or facsimile machine of any answer back code showing that the telex or facsimile message has been received properly by the telex or facsimile machine to which it was transmitted; and

- (c) If sent by certified mail, seven (7) days after the date upon the certified mail receipt provided by the relevant postal authority.

Each party shall be obligated to send a notice to the other, in accordance with this section of any changes in details contained in Paragraph 1.4, which details shall then be deemed to have been amended accordingly.

- 5.7 AUTHORITY TO EXECUTE.** Each individual executing this Agreement on behalf of a party hereto represents and warrants that he/she has been fully empowered to execute this Agreement and that all necessary actions to authorize the execution of this Agreement have been taken.
- 5.8 NO RIGHTS CONFERRED ON THIRD PARTIES.** Nothing in this Agreement whether express or implied is intended to confer any rights or remedies under or by reason of this Agreement on any person other than the parties to it, nor anything in this Agreement is intended to relieve or discharge the obligation or liability of any third person to any party to this Agreement, nor shall any provision give any third person any right of subrogation or action over or against any party to this Agreement.
- 5.9 SIGNATURES.** This Agreement may be executed simultaneous in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.
- 5.10 ENTIRE AGREEMENT.** The terms and conditions set forth in Exhibits A, B, C, and D attached hereto are incorporated herein by this reference. This Agreement contains all the terms and conditions agreed upon by DISTRICT and SUBCONTRACTOR and no other understanding, oral or otherwise, regarding this Agreement shall be deemed to bind any of the parties to this Agreement.
- 5.11 CONTINGENCY.** This contract is contingent upon ratification of a contract agreement between the First 5 Ventura County (COMMISSION) and the Oxnard School District for Fiscal Year 2016-2017, where funding is approved for the services stipulated in Section 1 General Provisions under this Agreement.

IN WITNESS THEREOF, DISTRICT and SUBCONTRACTOR have executed this Agreement on the dates indicated.

SUBCONTRACTOR APPROVAL:

DISTRICT APPROVAL:

(Signature)

Becky Rodriguez, Executive Director
(Typed Name/Title)

(Date)

(Signature)

Lisa A. Franz, Director, Purchasing
(Typed Name/Title)

(Date)

EL CENTRITO FAMILY LEARNING CENTERS
MIS PADRES y YO

Term: August 4, 2016 to June 30, 2017

REPORTING and EXPENDITURE TIMELINES

Reports and data shall detail work performed in Section 3: Service Provisions, Exhibit B.

- *Narrative Progress Reports are due Quarterly (Contract Section 2.23 – Progress Reports).*
- *Participant & Service Counts/Data are due monthly (Contract Section 2.24 – Evaluation Studies).*
- *Parent Surveys and Evaluation surveys are due as specified by First 5 implementation guidelines (Contract Section 2.24 – Evaluation Studies).*
- *Core Intake forms are due monthly as new families enter programs (Contract Section 2.24 – Evaluation Studies).*

Financial reports shall adhere to Section 4: Fiscal Provisions, and Exhibit C Line Item Budget.

- *Fiscal Provisions and back-up documentation is due monthly (Contract Section 4.1, 4.3 – Payment Method, Invoices), including copies of time cards, receipts/invoices for purchases, etc.*

| Reporting Period | Invoice/Report Due | Due Date |
|--|--|---------------------|
| July 1, 2016 – July 31, 2016 | Month 1 Invoice | August 15, 2016 |
| August 1, 2016 – August 31, 2016 | Month 2 Invoice | September 15, 2016 |
| September 1, 2016 – September 30, 2016 | Month 3 Invoice, and <i>Quarter 1 Narrative</i> | October 15, 2016 |
| October 1, 2016 – October 31, 2016 | Month 4 Invoice | November 15, 2016 |
| November 1, 2016 – November 30, 2016 | Month 5 Invoice | December 15, 2016 |
| December 1, 2016 – December 31, 2016 | Month 6 Invoice, and <i>Quarter 2 Narrative</i> | January 15, 2017 |
| January 1, 2017 – January 31, 2017 | Month 7 Invoice | February 15, 2017 |
| February 1, 2017 – February 28, 2017 | Month 8 Invoice | March 15, 2017 |
| March 1, 2017 – March 31, 2017 | Month 9 Invoice, and <i>Quarter 3 Narrative</i> | April 15, 2017 |
| April 1, 2017 – April 30, 2017 | Month 10 Invoice | May 15, 2017 |
| May 1, 2017 – May 31, 2017 | Month 11 Invoice | June 15, 2017 |
| June 1, 2017 – June 30, 2017 | Month 12 Invoice, and <i>Quarter 4 Narrative Report</i> | July 7, 2017 |

Submit to:

Oxnard School District
1051 South A Street
Oxnard, California 93030

Attn: Noemi Valdes
Director of Early Childhood Education Programs

EL CENTRITO FAMILY LEARNING CENTERS

Exhibit B

MIS PADRES y YO

August 4, 2016 to June 30, 2017

Program Description: Provide child development and nurturing in a play and learn model of support services for parents of infants and toddlers.

Program Outcome(s) - Early Learning Parent are engaging children in early learning and are reading to their children often and from an early age. Parents are provided the tools, resources and supports for healthy attachments and positive interactions with their children.

Program Component Description

Provide child development and nurturing support for parents of *infants to 3 year olds*. Play-and-learn workshops are designed to improve parents' understanding of basic child development, healthy parent/child interactions and responsiveness to babies' needs. **Mis Padres y Yo** sample topics include: Child Development Milestones, Nurturing home environments for optimal learning, Infant massage & Essential touch, Nutrition, Fostering Language Development, Communication Techniques for Positive Discipline, and Safety at Home. Various community agencies and Oxnard School District sites host the Mis Padres y Yo series in order to recruit and serve participants from a wide range of Oxnard neighborhoods. Classes are offered during weekday mornings and afternoons as well as some early evenings to accommodate schedules of working parents. Each series = 8 workshops. **Subcontracted to El Centrito Family Learning Centers.**

| No. | Activity | Method | Milestones/ Objectives | Projected Units of Service (# of interactions per participant) | Participants | | Quantitative Performance Measure | | Qualitative Performance Measure | |
|-----|-------------------------|--------|----------------------------------|--|--------------------------|------|---|--|---|-------------|
| | | | | | Participant Type | Core | Projected # of Participants | Projected # of Service Contacts (interactions/ service units x participants) | Outcome Performance Measure | OPM Tool |
| 1 | Early Learning For PACT | Class | 8 cohorts x 8 weeks = 64 classes | 8 contacts per participant | Children 0-5 and Parents | Yes | 53 Children and 53 Parents = 106 participants | 848 | 90% of participants reporting positive child/parent interaction | PACT Survey |

OPERATIONAL PROVISIONS

- 2 The agency is responsible to perform outreach in the community for puposes of engaging parent participation.
- 3 The agency will link families to the Family Resource Center and other community agencies for other NfL, or other support services, as needed.
- 4 The agency will provide a list of activities for inclusion in the monthly NfL calendar no later than the 10th of the month prior to the events.
- 5 Incorporate the F5VC Commission approved Nutrition and Physical Activity Standards into program implementation practices.

Contract Agency: **Oxnard School District**
 Name of Agency: **El Centrito Family Learning Center**

Contract Period : **August 4, 2016 - June 30, 2017**
 Project Title: **Mis Padres Y Yo Program**
 Total Amount: **\$17,500**

| DESCRIPTION | MIS PADRES Y YO | | | | | NFL COMMISSION | MATCH | | Total |
|--|-----------------|-------|----|------|---------------|----------------|--------------|--------------|---------------|
| | Wks | Rate | Hr | FTE | \$ | Fund | Cash Match | In-Kind | \$ |
| I. PERSONNEL SERVICES | | | | | | | | | |
| 1A. DIRECT WAGES PERSONNEL | | | | | | | | | |
| Program Planning & Evaluation Manager | 52 | 26.31 | 2 | 0.05 | 2,736 | 1,776 | 960 | | 2,736 |
| Parent Workshop Facilitator | 48 | 20.00 | 6 | 0.15 | 5,760 | 2,700 | 3,060 | | 5,760 |
| Parent Workshop Facilitator Assistant | 48 | 12.00 | 6 | 0.15 | 3,456 | 3,456 | - | | 3,456 |
| Program Assistant | 52 | 16.85 | 3 | 0.08 | 2,629 | 1,400 | 1,229 | | 2,629 |
| Direct Wages Personnel | | | | | 14,581 | 9,332 | 5,249 | - | 14,581 |
| 1B. TAXES AND BENEFITS | | | | | | | | | |
| Taxes 7.65% | | | | | 1,115 | 700 | 415 | | 1,115 |
| Unemployment Insurance 6.2% | | | | | 904 | 300 | 604 | | 904 |
| Workman's Comp | | | | | 530 | 350 | 180 | | 530 |
| Benefits (Health) | | | | | 2,638 | 1,600 | 1,038 | | 2,638 |
| Total Taxes and Benefits | | | | | 5,187 | 2,950 | 2,237 | - | 5,187 |
| SUBTOTAL PERSONNEL | | | | | 19,768 | 12,282 | 7,486 | - | 19,768 |
| II. OPERATING EXPENSES | | | | | | | | | |
| Outside Services: Contracted Childcare workers | | | | | 1,300 | 1,300 | 0 | | 1,300 |
| Program Supplies/ Curriculum Materials / Food | | | | | 1,376 | 1,139 | 237 | | 1,376 |
| Mileage Expenses | | | | | 165 | 165 | - | | 165 |
| Photocopies & Printing of workshop materials | | | | | 1,543 | 947 | 596 | | 1,543 |
| Office Supplies / Postage | | | | | 110 | 50 | 60 | | 110 |
| Liability Insurance | | | | | 264 | 150 | 114 | | 264 |
| Telephone/ Web/ DSL/ Hosting | | | | | 250 | 110 | 140 | | 250 |
| Leadership Professional Development | | | | | 132 | 132 | - | | 132 |
| Facility Expenses | | | | | 1,000 | | 1,000 | | 1,000 |
| Rent (in-kind) | | | | | 2,200 | - | | 2,200 | 2,200 |
| Subtotal Operating Expenses | | | | | 8,341 | 3,993 | 2,148 | 2,200 | 8,341 |
| III. INDIRECT | | | | | | | | | |
| Indirect 7% | | | | | 1,225 | 1,225 | | | 1,225 |
| TOTAL BUDGET | | | | | 29,334 | 17,500 | 9,634 | 2,200 | 29,334 |

Note: * In-kind rent figure based on market value for rental properties, allocation was reviewed and approved by independent auditor, Mike Eulau, CPA.

**EL CENTRITO FAMILY LEARNING CENTERS
MIS PADRES y YO**

Term: August 4, 2016 to June 30, 2017

PAYMENT METHOD

SUBCONTRACTOR shall be paid in accordance with the payment method as outlined below, for services rendered, provided that SUBCONTRACTOR is not in default under any provisions of this Agreement.

1. SUBCONTRACTOR shall be paid in arrears, upon receipt of a monthly invoice with adequate supporting documentation for actual costs incurred in accordance with Exhibit C for services rendered as described in Exhibit B.
2. Payments shall be based on the terms of the Agreement. Allowable expenditures shall be based on actual costs incurred in accordance to Exhibit C for services rendered. SUBCONTRACTOR' will be paid actual costs only, even if the costs estimated in SUBCONTRACTOR's proposal; budget; or this Agreement estimated a different amount, with adequate supporting documentation for services rendered.
3. Reimbursement for the contract term August 4, 2016 through June 30, 2017 shall not exceed **\$17,500.00** based on the term of this agreement and in accordance with Exhibit C and the services described in Exhibit B.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
6/2/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| | | | |
|---|---|------------------------------------|---------------|
| PRODUCER Arthur J. Gallagher & Co. Insurance Brokers of CA. Inc. LIC # 0726293 505 N Brand Blvd, Suite 600 Glendale CA 91203 | CONTACT NAME: Mei Chan PHONE (A/C, No, Ext): 818-539-2300 E-MAIL ADDRESS: Mei_Chan@ajg.com | FAX (A/C, No): 818-539-2301 | |
| | INSURER(S) AFFORDING COVERAGE | | NAIC # |
| INSURED El Centrito Family Learning Centers P.O. Box 1613 Oxnard, CA 93032 | INSURER A: Nonprofits' Insurance Alliance of C | | |
| | INSURER B: New York Marine And General Insuran | | 16608 |
| | INSURER C: North American Elite Insurance Comp | | 29700 |
| | INSURER D: | | |
| | INSURER E: | | |
| INSURER F: | | | |

COVERAGES **CERTIFICATE NUMBER:** 1221037567 **REVISION NUMBER:**


THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS |
|----------|---|-----------|----------|-----------------------------------|--------------------------|--------------------------|---|
| A | COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Professional Lia GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC <input type="checkbox"/> OTHER: | Y | | 201507868NPO | 12/31/2015 | 12/31/2016 | EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$500,000 MED EXP (Any one person) \$20,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 \$ |
| A | AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS | | | 201507868NPO | 12/31/2015 | 12/31/2016 | COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$ |
| | UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$ | | | | | | EACH OCCURRENCE \$ AGGREGATE \$ \$ |
| B | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | Y/N | N/A | WC20150006531 | 7/1/2015 | 7/1/2016 | <input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000 |
| C | Property Sexual Abuse | | | CWB00024651307868 201507868NPO | 12/31/2015 12/31/2015 | 12/31/2016 12/31/2016 | Deductible: \$500 \$149,339 \$1,000,000 \$3,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Oxnard School District is named additional insured with respect to the operations of the named insured per the attach CG 2026 endorsement. Such insurance is primary and non-contributory. 10 days notice of cancellation for non-payment of premium. Workers Compensation coverage excluded, evidence only.

CERTIFICATE HOLDER **CANCELLATION**

| | |
|---|---|
| Oxnard School District Attn: Lisa Franz 1051 South A Street Oxnard CA 93030 USA | SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE  |
|---|---|

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – DESIGNATED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):

Any person or organization that you are required to add as an additional insured on this policy, under a written contract or agreement currently in effect, or becoming effective during the term of this policy. The additional insured status will not be afforded with respect to liability arising out of or related to your activities as a real estate manager for that person or organization.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

1. In the performance of your ongoing operations; or
2. In connection with your premises owned by or rented to you.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations; whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT **X**
SECTION D: ACTION _____
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Approval of Agreement/MOU #16-56 – Community Action Partnership of San Luis Obispo County Inc. – Buena Ventura Migrant & Seasonal Head Start Program at Harrington School (Freeman/Thomas)

This Agreement/MOU confirms the agreement between Oxnard School District and Community Action Partnership of San Luis Obispo County Inc. The establishment of this partnership makes it possible for each agency to use their resources to benefit the Oxnard School District by providing students with Migrant & Seasonal Head Start services at Harrington School.

Term of the Agreement/MOU: **August 4, 2016 to June 30, 2017**

FISCAL IMPACT:

No fiscal impact.

RECOMMENDATION:

It is the recommendation of the Director, Curriculum, Instruction & Accountability, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement/MOU #16-56 with Community Action Partnership of San Luis Obispo County Inc.

ADDITIONAL MATERIALS:

Attached: Agreement/MOU #16-56, Community Action Partnership of San Luis Obispo County Inc. (1 Page)
Certificate of Insurance (13 Pages)

Agreement/Memorandum of Understanding #16-56

Oxnard School District and Community Action Partnership of San Luis Obispo County, Inc.

This Memorandum of Understanding (MOU) explains and confirms the agreement between Oxnard School District (OSD) and Community Action Partnership of San Luis Obispo County, Inc. (CAPSLO). The establishment of this partnership makes it possible for each Agency to use their resources to benefit the children of Oxnard School District by providing Migrant & Seasonal Head Start preschool services; **Buena Ventura Migrant & Seasonal Head Start Program**.

Memorandum of Understanding Purpose:

It is the purpose of this MOU to establish a cooperative and mutually beneficial relationship between OSD and CAPSLO and to define responsibilities of the Agencies as they relate to providing high quality child development services on the campus of Harrington Elementary School. The facilities will be used to provide Migrant & Seasonal Head Start services to toddlers and preschool aged children. Instructional calendar runs Monday – Friday 5:15am – 5:00pm beginning October 17, 2016 to June 30, 2017. CAPSLO staff may occupy facility prior to first day of instruction, starting September 19, 2016.

Memorandum of Understanding Term:

This MOU will be in effect from August 4, 2016 through June 30, 2017, with optional renewal in the subsequent year(s), if parties mutually agree and classroom space is available for use by CAPSLO. OSD will notify CAPSLO of the intent to renew MOU for 2017-2018 no later than April 30, 2017.

Memorandum of Understanding Agreement and Description of Services:

The Oxnard School District will provide the following at no cost to CAPSLO:

1. Provide the use of two classrooms in the Harrington Preschool Center facility to accommodate up to 36 children.
2. Provide the use of a shared playground at Harrington Preschool Center.
3. Provide custodial services five days per week and facility utilities, phones, and internet access when needed while the Migrant & Seasonal Head Start program is operational.

Community Action Partnership of San Luis Obispo County, Inc. agrees to:

1. Implement a Migrant & Seasonal Head Start Preschool.
2. Hire qualified teaching staff to provide intensive educational services to the children attending the Buena Ventura Migrant & Seasonal Head Start to be offered at Harrington Preschool Center.
3. Coordinate use of shared playground areas with early education partners at Harrington Preschool Complex. (Playground areas are intended for use by CAPSLO, CDI, Oxnard NFL, and MICOP)
4. Provide OSD with a copy of CCL license certificate and personnel list.
5. Provide OSD with a certificate of Insurance (General Liability, Workman's Comp, Automobile, Abuse/Molestation) naming the Oxnard School District as "additional insured". "Additional Insured" evidenced by Endorsement number and a copy of the Endorsement on all Liability coverage.

Lisa A. Franz, Director, Purchasing
Oxnard School District

Date

Jim Famalette, Chief Operating Officer.

Date

Community Action Partnership of San Luis Obispo County, Inc.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

3/30/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| PRODUCER Bolton & Company 3475 E. Foothill Blvd., Suite 100 Pasadena, CA 91107 www.boltonco.com 0008309 | CONTACT NAME: PHONE (A/C No. Ext): (626) 799-7000 | | FAX (A/C, No): (626) 583-2117 | | | | | | | | | | | | | | | | | | | | |
|--|--|--------|--------------------------------------|-------------------------------|--|--------|---|--|--|--------------------------------------|--|--|------------|--|--|------------|--|--|------------|--|--|------------|--|
| | E-MAIL ADDRESS: <table border="1"> <tr> <th colspan="2">INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> <tr> <td colspan="2">INSURER A: Philadelphia Indemnity Insurance Company</td> <td></td> </tr> <tr> <td colspan="2">INSURER B: Cypress Insurance Company</td> <td></td> </tr> <tr> <td colspan="2">INSURER C:</td> <td></td> </tr> <tr> <td colspan="2">INSURER D:</td> <td></td> </tr> <tr> <td colspan="2">INSURER E:</td> <td></td> </tr> <tr> <td colspan="2">INSURER F:</td> <td></td> </tr> </table> | | | INSURER(S) AFFORDING COVERAGE | | NAIC # | INSURER A: Philadelphia Indemnity Insurance Company | | | INSURER B: Cypress Insurance Company | | | INSURER C: | | | INSURER D: | | | INSURER E: | | | INSURER F: | |
| INSURER(S) AFFORDING COVERAGE | | NAIC # | | | | | | | | | | | | | | | | | | | | | |
| INSURER A: Philadelphia Indemnity Insurance Company | | | | | | | | | | | | | | | | | | | | | | | |
| INSURER B: Cypress Insurance Company | | | | | | | | | | | | | | | | | | | | | | | |
| INSURER C: | | | | | | | | | | | | | | | | | | | | | | | |
| INSURER D: | | | | | | | | | | | | | | | | | | | | | | | |
| INSURER E: | | | | | | | | | | | | | | | | | | | | | | | |
| INSURER F: | | | | | | | | | | | | | | | | | | | | | | | |
| INSURED Community Action Partnership of San Luis Obispo County, Inc. 1030 Southwood Drive San Luis Obispo CA 93502-5813 | | | | | | | | | | | | | | | | | | | | | | | |

COVERAGES

CERTIFICATE NUMBER: 29238797

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|----------|--|-------------------------------------|----------|---------------|-------------------------|-------------------------|--|---------------|
| A | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER: | <input checked="" type="checkbox"/> | | PHPK1474428 | 4/1/2016 | 4/1/2017 | EACH OCCURRENCE | \$ 1,000,000 |
| | | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) | \$ 100,000 |
| | | | | | | | MED EXP (Any one person) | \$ 5,000 |
| | | | | | | | PERSONAL & ADV INJURY | \$ 1,000,000 |
| | | | | | | | GENERAL AGGREGATE | \$ 2,000,000 |
| | | | | | | | PRODUCTS - COMP/OP AGG | \$ 2,000,000 |
| | | | | | | | | \$ |
| A | <input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY | | | PHPK1474428 | 4/1/2016 | 4/1/2017 | COMBINED SINGLE LIMIT (Ea accident) | \$ 1,000,000 |
| | | | | | | | BODILY INJURY (Per person) | \$ |
| | | | | | | | BODILY INJURY (Per accident) | \$ |
| | | | | | | | PROPERTY DAMAGE (Per accident) | \$ |
| | | | | | | | | \$ |
| A | <input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000 | | | PHUB535471 | 4/1/2016 | 4/1/2017 | EACH OCCURRENCE | \$ 15,000,000 |
| | | | | | | | AGGREGATE | \$ 15,000,000 |
| | | | | | | | | \$ |
| B | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | Y/N | N/A | COWC604887 | 7/1/2015 | 7/1/2016 | <input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER | |
| | | | | | | | E.L. EACH ACCIDENT | \$ 1,000,000 |
| | | | | | | | E.L. DISEASE - EA EMPLOYEE | \$ 1,000,000 |
| | | | | | | | E.L. DISEASE - POLICY LIMIT | \$ 1,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

The Certificate Holder is included as an Additional Insured per the attached PI-GLD-HS 10/11 form, only if required by written contract/agreement. Sexual Abuse & Molestation coverage is included with an per occurrence/aggregate limit of \$1,000,000

CERTIFICATE HOLDER

Oxnard School District
 Attn: Noemi Valdes
 1051 S. A Street
 Oxnard CA 93030

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Debra Rosas

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ACORD 25 (2016/03)

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**GENERAL LIABILITY DELUXE ENDORSEMENT:
HUMAN SERVICES**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE

It is understood and agreed that the following extensions only apply in the event that no other specific coverage for the indicated loss exposure is provided under this policy. If such specific coverage applies, the terms, conditions and limits of that coverage are the sole and exclusive coverage applicable under this policy, unless otherwise noted on this endorsement. The following is a summary of the Limits of Insurance and additional coverages provided by this endorsement. For complete details on specific coverages, consult the policy contract wording.

| Coverage Applicable | Limit of Insurance | Page # |
|---|--------------------|--------|
| Extended Property Damage | Included | 2 |
| Limited Rental Lease Agreement Contractual Liability | \$50,000 limit | 2 |
| Non-Owned Watercraft | Less than 58 feet | 2 |
| Damage to Property You Own, Rent, or Occupy | \$30,000 limit | 2 |
| Damage to Premises Rented to You | \$1,000,000 | 3 |
| HIPAA | Clarification | 4 |
| Medical Payments | \$20,000 | 5 |
| Medical Payments – Extended Reporting Period | 3 years | 5 |
| Athletic Activities | Amended | 5 |
| Supplementary Payments – Bail Bonds | \$5,000 | 5 |
| Supplementary Payment – Loss of Earnings | \$1,000 per day | 5 |
| Employee Indemnification Defense Coverage | \$25,000 | 5 |
| Key and Lock Replacement – Janitorial Services Client Coverage | \$10,000 limit | 6 |
| Additional Insured – Newly Acquired Time Period | Amended | 6 |
| Additional Insured – Medical Directors and Administrators | Included | 7 |
| Additional Insured – Managers and Supervisors (with Fellow Employee Coverage) | Included | 7 |
| Additional Insured – Broadened Named Insured | Included | 7 |
| Additional Insured – Funding Source | Included | 7 |
| Additional Insured – Home Care Providers | Included | 7 |
| Additional Insured – Managers, Landlords, or Lessors of Premises | Included | 7 |
| Additional Insured – Lessor of Leased Equipment | Included | 7 |
| Additional Insured – Grantor of Permits | Included | 8 |
| Additional Insured – Vendor | Included | 8 |
| Additional Insured – Franchisor | Included | 9 |
| Additional Insured – When Required by Contract | Included | 9 |
| Additional Insured – Owners, Lessees, or Contractors | Included | 9 |
| Additional Insured – State or Political Subdivisions | Included | 10 |

| | | |
|---|---------------|----|
| Duties in the Event of Occurrence, Claim or Suit | Included | 10 |
| Unintentional Failure to Disclose Hazards | Included | 10 |
| Transfer of Rights of Recovery Against Others To Us | Clarification | 10 |
| Liberalization | Included | 11 |
| Bodily Injury – includes Mental Anguish | Included | 11 |
| Personal and Advertising Injury – includes Abuse of Process, Discrimination | Included | 11 |

A. Extended Property Damage

SECTION I – COVERAGES, COVERAGE A BODILY INJURY AND PROPERTY DAMAGE LIABILITY, Subsection 2. **Exclusions**, Paragraph a. is deleted in its entirety and replaced by the following:

a. Expected or Intended Injury

“Bodily injury” or property damage” expected or intended from the standpoint of the insured. This exclusion does not apply to “bodily injury” or “property damage” resulting from the use of reasonable force to protect persons or property.

B. Limited Rental Lease Agreement Contractual Liability

SECTION I – COVERAGES, COVERAGE A. BODILY INJURY AND PROPERTY DAMAGE LIABILITY, Subsection 2. **Exclusions**, Paragraph b. **Contractual Liability** is amended to include the following:

- (3) Based on the named insured’s request at the time of claim, we agree to indemnify the named insured for their liability assumed in a contract or agreement regarding the rental or lease of a premises on behalf of their client, up to \$50,000. This coverage extension only applies to rental lease agreements. This coverage is excess over any renter’s liability insurance of the client.

C. Non-Owned Watercraft

SECTION I – COVERAGES, COVERAGE A BODILY INJURY AND PROPERTY DAMAGE LIABILITY, Subsection 2. **Exclusions**, Paragraph g. (2) is deleted in its entirety and replaced by the following:

- (2) A watercraft you do not own that is:
- (a) Less than 58 feet long; and
 - (b) Not being used to carry persons or property for a charge;

This provision applies to any person, who with your consent, either uses or is responsible for the use of a watercraft. This insurance is excess over any other valid and collectible insurance available to the insured whether primary, excess or contingent.

D. Damage to Property You Own, Rent or Occupy

SECTION I – COVERAGES, COVERAGE A BODILY INJURY AND PROPERTY DAMAGE

LIABILITY, Subsection 2. Exclusions, Paragraph j. Damage to Property, Item (1) is deleted in its entirety and replaced with the following:

- (1) Property you own, rent, or occupy, including any costs or expenses incurred by you, or any other person, organization or entity, for repair, replacement, enhancement, restoration or maintenance of such property for any reason, including prevention of injury to a person or damage to another's property, unless the damage to property is caused by your client, up to a \$30,000 limit. A client is defined as a person under your direct care and supervision.

E. Damage to Premises Rented to You

1. If damage by fire to premises rented to you is not otherwise excluded from this Coverage Part, the word "fire" is changed to "fire, lightning, explosion, smoke, or leakage from automatic fire protective systems" where it appears in:

- a. The last paragraph of **SECTION I – COVERAGES, COVERAGE A BODILY INJURY AND PROPERTY DAMAGE LIABILITY, Subsection 2. Exclusions;** is deleted in its entirety and replaced by the following:

Exclusions c. through n. do not apply to damage by fire, lightning, explosion, smoke, or leakage from automatic fire protective systems to premises while rented to you or temporarily occupied by you with permission of the owner. A separate limit of insurance applies to this coverage as described in **SECTION III – LIMITS OF INSURANCE.**

- b. **SECTION III – LIMITS OF INSURANCE, Paragraph 6.** is deleted in its entirety and replaced by the following:

Subject to Paragraph 5. above, the Damage To Premises Rented To You Limit is the most we will pay under Coverage A for damages because of "property damage" to any one premises, while rented to you, or in the case of damage by fire, lightning, explosion, smoke, or leakage from automatic fire protective systems while rented to you or temporarily occupied by you with permission of the owner.

- c. **SECTION V – DEFINITIONS, Paragraph 9.a.,** is deleted in its entirety and replaced by the following:

A contract for a lease of premises. However, that portion of the contract for a lease of premises that indemnifies any person or organization for damage by fire, lightning, explosion, smoke, or leakage from automatic fire protective systems to premises while rented to you or temporarily occupied by you with permission of the owner is not an "insured contract";

2. **SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS, Subsection 4. Other Insurance, Paragraph b. Excess Insurance, (1) (a) (ii)** is deleted in its entirety and replaced by the following:

That is insurance for fire, lightning, explosion, smoke, or leakage from automatic fire protective systems for premises rented to you or temporarily occupied by you with permission of the owner;

3. The Damage To Premises Rented To You Limit section of the Declarations is amended to the greater of:

- a. \$1,000,000; or
- b. The amount shown in the Declarations as the Damage to Premises Rented to You Limit.

This is the most we will pay for all damage proximately caused by the same event, whether such damage results from fire, lightning, explosion, smoke, or leaks from automatic fire protective systems or any combination thereof.

F. HIPAA

SECTION I – COVERAGES, COVERAGE B PERSONAL AND ADVERTISING INJURY LIABILITY, is amended as follows:

1. Paragraph **1. Insuring Agreement** is amended to include the following:

We will pay those sums that the insured becomes legally obligated to pay as damages because of a “violation(s)” of the Health Insurance Portability and Accountability Act (HIPAA). We have the right and the duty to defend the insured against any “suit,” “investigation,” or “civil proceeding” seeking these damages. However, we will have no duty to defend the insured against any “suit” seeking damages, “investigation,” or “civil proceeding” to which this insurance does not apply.

2. Paragraph **2. Exclusions** is amended to include the following additional exclusions:

This insurance does not apply to:

- a. **Intentional, Willful, or Deliberate Violations**

Any willful, intentional, or deliberate “violation(s)” by any insured.

- b. **Criminal Acts**

Any “violation” which results in any criminal penalties under the HIPAA.

- c. **Other Remedies**

Any remedy other than monetary damages for penalties assessed.

- d. **Compliance Reviews or Audits**

Any compliance reviews by the Department of Health and Human Services.

3. **SECTION V – DEFINITIONS** is amended to include the following additional definitions:

- a. “Civil proceeding” means an action by the Department of Health and Human Services (HHS) arising out of “violations.”
- b. “Investigation” means an examination of an actual or alleged “violation(s)” by HHS. However, “investigation” does not include a Compliance Review.
- c. “Violation” means the actual or alleged failure to comply with the regulations included in the HIPAA.

G. Medical Payments – Limit Increased to \$20,000, Extended Reporting Period

If **COVERAGE C MEDICAL PAYMENTS** is not otherwise excluded from this Coverage Part:

1. The Medical Expense Limit is changed subject to all of the terms of **SECTION III - LIMITS OF INSURANCE** to the greater of:
 - a. \$20,000; or
 - b. The Medical Expense Limit shown in the Declarations of this Coverage Part.
2. **SECTION I – COVERAGES, COVERAGE C MEDICAL PAYMENTS**, Subsection **1. Insuring Agreement**, a. (3) (b) is deleted in its entirety and replaced by the following:
 - (b) The expenses are incurred and reported to us within three years of the date of the accident.

H. Athletic Activities

SECTION I – COVERAGES, COVERAGE C MEDICAL PAYMENTS, Subsection **2. Exclusions**, Paragraph **e. Athletic Activities** is deleted in its entirety and replaced with the following:

e. Athletic Activities

To a person injured while taking part in athletics.

I. Supplementary Payments

SECTION I – COVERAGES, SUPPLEMENTARY PAYMENTS - COVERAGE A AND B are amended as follows:

1. **b.** is deleted in its entirety and replaced by the following:
 1. **b.** Up to \$5000 for cost of bail bonds required because of accidents or traffic law violations arising out of the use of any vehicle to which the Bodily Injury Liability Coverage applies. We do not have to furnish these.
- 1.**d.** is deleted in its entirety and replaced by the following:
 1. **d.** All reasonable expenses incurred by the insured at our request to assist us in the investigation or defense of the claim or "suit", including actual loss of earnings up to \$1,000 a day because of time off from work.

J. Employee Indemnification Defense Coverage

SECTION I – COVERAGES, SUPPLEMENTARY PAYMENTS – COVERAGES A AND B the following is added:

We will pay, on your behalf, defense costs incurred by an “employee” in a criminal proceeding occurring in the course of employment.

The most we will pay for any “employee” who is alleged to be directly involved in a criminal proceeding is \$25,000 regardless of the numbers of “employees,” claims or “suits” brought or persons or organizations making claims or bringing “suits.”

K. Key and Lock Replacement – Janitorial Services Client Coverage

SECTION I – COVERAGES, SUPPLEMENTARY PAYMENTS – COVERAGES A AND B is amended to include the following:

We will pay for the cost to replace keys and locks at the “clients” premises due to theft or other loss to keys entrusted to you by your “client,” up to a \$10,000 limit per occurrence and \$10,000 policy aggregate.

We will not pay for loss or damage resulting from theft or any other dishonest or criminal act that you or any of your partners, members, officers, “employees”, “managers”, directors, trustees, authorized representatives or any one to whom you entrust the keys of a “client” for any purpose commit, whether acting alone or in collusion with other persons.

The following, when used on this coverage, are defined as follows:

- a. "Client" means an individual, company or organization with whom you have a written contract or work order for your services for a described premises and have billed for your services.
- b. "Employee" means:
 - (1) Any natural person:
 - (a) While in your service or for 30 days after termination of service;
 - (b) Who you compensate directly by salary, wages or commissions; and
 - (c) Who you have the right to direct and control while performing services for you; or
 - (2) Any natural person who is furnished temporarily to you:
 - (a) To substitute for a permanent "employee" as defined in Paragraph (1) above, who is on leave; or
 - (b) To meet seasonal or short-term workload conditions;
 while that person is subject to your direction and control and performing services for you.
 - (3) "Employee" does not mean:
 - (a) Any agent, broker, person leased to you by a labor leasing firm, factor, commission merchant, consignee, independent contractor or representative of the same general character; or
 - (b) Any "manager," director or trustee except while performing acts coming within the scope of the usual duties of an "employee."
- c. "Manager" means a person serving in a directorial capacity for a limited liability company.

L. Additional Insureds

SECTION II – WHO IS AN INSURED is amended as follows:

1. If coverage for newly acquired or formed organizations is not otherwise excluded from this

Coverage Part, Paragraph 3.a. is deleted in its entirety and replaced by the following:

a. Coverage under this provision is afforded until the end of the policy period.

2. Each of the following is also an insured:

a. **Medical Directors and Administrators** – Your medical directors and administrators, but only while acting within the scope of and during the course of their duties as such. Such duties do not include the furnishing or failure to furnish professional services of any physician or psychiatrist in the treatment of a patient.

b. **Managers and Supervisors** – Your managers and supervisors are also insureds, but only with respect to their duties as your managers and supervisors. Managers and supervisors who are your “employees” are also insureds for “bodily injury” to a co-“employee” while in the course of his or her employment by you or performing duties related to the conduct of your business.

This provision does not change Item 2.a.(1)(a) as it applies to managers of a limited liability company.

c. **Broadened Named Insured** – Any organization and subsidiary thereof which you control and actively manage on the effective date of this Coverage Part. However, coverage does not apply to any organization or subsidiary not named in the Declarations as Named Insured, if they are also insured under another similar policy, but for its termination or the exhaustion of its limits of insurance.

d. **Funding Source** – Any person or organization with respect to their liability arising out of:

(1) Their financial control of you; or

(2) Premises they own, maintain or control while you lease or occupy these premises.

This insurance does not apply to structural alterations, new construction and demolition operations performed by or for that person or organization.

e. **Home Care Providers** – At the first Named Insured's option, any person or organization under your direct supervision and control while providing for you private home respite or foster home care for the developmentally disabled.

f. **Managers, Landlords, or Lessors of Premises** – Any person or organization with respect to their liability arising out of the ownership, maintenance or use of that part of the premises leased or rented to you subject to the following additional exclusions:

This insurance does not apply to:

(1) Any “occurrence” which takes place after you cease to be a tenant in that premises; or

(2) Structural alterations, new construction or demolition operations performed by or on behalf of that person or organization.

g. **Lessor of Leased Equipment – Automatic Status When Required in Lease Agreement With You** – Any person or organization from whom you lease equipment when you and such person or organization have agreed in writing in a contract or agreement that such person or organization is to be added as an additional insured on your policy. Such person or

organization is an insured only with respect to liability for "bodily injury," "property damage" or "personal and advertising injury" caused, in whole or in part, by your maintenance, operation or use of equipment leased to you by such person or organization.

A person's or organization's status as an additional insured under this endorsement ends when their contract or agreement with you for such leased equipment ends.

With respect to the insurance afforded to these additional insureds, this insurance does not apply to any "occurrence" which takes place after the equipment lease expires.

- h. Grantors of Permits** – Any state or political subdivision granting you a permit in connection with your premises subject to the following additional provision:
- (1) This insurance applies only with respect to the following hazards for which the state or political subdivision has issued a permit in connection with the premises you own, rent or control and to which this insurance applies:
 - (a) The existence, maintenance, repair, construction, erection, or removal of advertising signs, awnings, canopies, cellar entrances, coal holes, driveways, manholes, marquees, hoist away openings, sidewalk vaults, street banners or decorations and similar exposures;
 - (b) The construction, erection, or removal of elevators; or
 - (c) The ownership, maintenance, or use of any elevators covered by this insurance.
- i. Vendors** – Only with respect to "bodily injury" or "property damage" arising out of "your products" which are distributed or sold in the regular course of the vendor's business, subject to the following additional exclusions:
- (1) The insurance afforded the vendor does not apply to:
 - (a) "Bodily injury" or "property damage" for which the vendor is obligated to pay damages by reason of the assumption of liability in a contract or agreement. This exclusion does not apply to liability for damages that the vendor would have in the absence of the contract or agreement;
 - (b) Any express warranty unauthorized by you;
 - (c) Any physical or chemical change in the product made intentionally by the vendor;
 - (d) Repackaging, except when unpacked solely for the purpose of inspection, demonstration, testing, or the substitution of parts under instructions from the manufacturer, and then repackaged in the original container;
 - (e) Any failure to make such inspections, adjustments, tests or servicing as the vendor has agreed to make or normally undertakes to make in the usual course of business, in connection with the distribution or sale of the products;
 - (f) Demonstration, installation, servicing or repair operations, except such operations performed at the vendor's premises in connection with the sale of the product;

- (g) Products which, after distribution or sale by you, have been labeled or relabeled or used as a container, part or ingredient of any other thing or substance by or for the vendor; or
- (h) "Bodily injury" or "property damage" arising out of the sole negligence of the vendor for its own acts or omissions or those of its employees or anyone else acting on its behalf. However, this exclusion does not apply to:
 - (i) The exceptions contained in Sub-paragraphs (d) or (f); or
 - (ii) Such inspections, adjustments, tests or servicing as the vendor has agreed to make or normally undertakes to make in the usual course of business, in connection with the distribution or sale of the products.
- (2) This insurance does not apply to any insured person or organization, from whom you have acquired such products, or any ingredient, part or container, entering into, accompanying or containing.
- j. **Franchisor** – Any person or organization with respect to their liability as the grantor of a franchise to you.
- k. **As Required by Contract** – Any person or organization where required by a written contract executed prior to the occurrence of a loss. Such person or organization is an additional insured for "bodily injury," "property damage" or "personal and advertising injury" but only for liability arising out of the negligence of the named insured. The limits of insurance applicable to these additional insureds are the lesser of the policy limits or those limits specified in a contract or agreement. These limits are included within and not in addition to the limits of insurance shown in the Declarations
- l. **Owners, Lessees or Contractors** – Any person or organization, but only with respect to liability for "bodily injury," "property damage" or "personal and advertising injury" caused, in whole or in part, by:
 - (1) Your acts or omissions; or
 - (2) The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured when required by a contract.

With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

- (a) All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
- (b) That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

m. State or Political Subdivisions – Any state or political subdivision as required, subject to the following provisions:

- (1) This insurance applies only with respect to operations performed by you or on your behalf for which the state or political subdivision has issued a permit, and is required by contract.
- (2) This insurance does not apply to:
 - (a) "Bodily injury," "property damage" or "personal and advertising injury" arising out of operations performed for the state or municipality; or
 - (b) "Bodily injury" or "property damage" included within the "products-completed operations hazard."

M. Duties in the Event of Occurrence, Claim or Suit

SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS, Paragraph 2. is amended as follows:

a. is amended to include:

This condition applies only when the "occurrence" or offense is known to:

- (1) You, if you are an individual;
- (2) A partner, if you are a partnership; or
- (3) An executive officer or insurance manager, if you are a corporation.

b. is amended to include:

This condition will not be considered breached unless the breach occurs after such claim or "suit" is known to:

- (1) You, if you are an individual;
- (2) A partner, if you are a partnership; or
- (3) An executive officer or insurance manager, if you are a corporation.

N. Unintentional Failure To Disclose Hazards

SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS, 6. Representations is amended to include the following:

It is agreed that, based on our reliance on your representations as to existing hazards, if you should unintentionally fail to disclose all such hazards prior to the beginning of the policy period of this Coverage Part, we shall not deny coverage under this Coverage Part because of such failure.

O. Transfer of Rights of Recovery Against Others To Us

SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS, 8. Transfer of Rights of

Recovery Against Others To Us is deleted in its entirety and replaced by the following:

If the insured has rights to recover all or part of any payment we have made under this Coverage Part, those rights are transferred to us. The insured must do nothing after loss to impair them. At our request, the insured will bring "suit" or transfer those rights to us and help us enforce them.

Therefore, the insured can waive the insurer's rights of recovery prior to the occurrence of a loss, provided the waiver is made in a written contract.

P. Liberalization

SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS, is amended to include the following:

If we revise this endorsement to provide more coverage without additional premium charge, we will automatically provide the additional coverage to all endorsement holders as of the day the revision is effective in your state.

Q. Bodily Injury – Mental Anguish

SECTION V – DEFINITIONS, Paragraph 3. Is deleted in its entirety and replaced by the following:

"Bodily injury" means:

- a. Bodily injury, sickness or disease sustained by a person, and includes mental anguish resulting from any of these; and
- b. Except for mental anguish, includes death resulting from the foregoing (Item a. above) at any time.

R. Personal and Advertising Injury – Abuse of Process, Discrimination

If **COVERAGE B PERSONAL AND ADVERTISING INJURY LIABILITY COVERAGE** is not otherwise excluded from this Coverage Part, the definition of "personal and advertising injury" is amended as follows:

1. **SECTION V – DEFINITIONS**, Paragraph 14.b. is deleted in its entirety and replaced by the following:

- b. Malicious prosecution or abuse of process;

2. **SECTION V – DEFINITIONS**, Paragraph 14. is amended by adding the following:

Discrimination based on race, color, religion, sex, age or national origin, except when:

- a. Done intentionally by or at the direction of, or with the knowledge or consent of:
 - (1) Any insured; or
 - (2) Any executive officer, director, stockholder, partner or member of the insured;
- b. Directly or indirectly related to the employment, former or prospective employment, termination of employment, or application for employment of any person or persons by an insured;

- c. Directly or indirectly related to the sale, rental, lease or sublease or prospective sales, rental, lease or sub-lease of any room, dwelling or premises by or at the direction of any insured; or
- d. Insurance for such discrimination is prohibited by or held in violation of law, public policy, legislation, court decision or administrative ruling.

The above does not apply to fines or penalties imposed because of discrimination.

BOARD AGENDA ITEM

Name of Contributor(s): Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT X
SECTION D: ACTION _____
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Approval of Agreement #16-57, Renaissance Learning (Freeman/Curtis)

Renaissance Learning will provide professional development to Oxnard School District staff for the 2016-2017 school year for the Accelerated Reader and Star 360 Assessment programs.

FISCAL IMPACT:

Not to exceed \$8,200.00 – General Fund

RECOMMENDATION:

It is the recommendation of the Director, Curriculum, Instruction & Accountability, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement #16-57 with Renaissance Learning.

ADDITIONAL MATERIAL(S):

Attached: Agreement #16-57, Renaissance Learning (5 Pages)
Quote #1593082 (2 Pages)

**SALES AND SERVICE AGREEMENT AND LICENSE GRANT
BETWEEN RENAISSANCE LEARNING, INC. ("Renaissance")
AND OXNARD SCHOOL DISTRICT ("Customer")**

1. RECITALS AND DEFINITIONS

WHEREAS the parties mutually desire to enter into an agreement to set forth the terms upon which Renaissance will be a supplier to Customer.

NOW, THEREFORE, in consideration of the mutual covenants and agreements set forth below, it is hereby agreed between the parties as follows:

Definitions as used in this Agreement:

- a. "Software" means the software provided by Renaissance pursuant to this Agreement, including any third-party software imbedded in the Software, together with all subsequent Renaissance-authorized updates, replacements, modifications or enhancements.
- b. "Services" means all onsite and remote services including without limitation: consulting, application hosting, installation, implementation assistance, training, data integration or transfer, and web-based learning, provided by Renaissance pursuant to this Agreement.
- c. "Materials" means the Software, hardware, books, videos, and other tangible products provided by Renaissance pursuant to this Agreement.
- d. "Documentation" means the user guides, reference manuals, and installation information provided by Renaissance to Customer related to the Materials and Services.
- e. "Effective Date" means the date set forth immediately preceding the signatures at the end of this agreement.
- f. "The Quotation" shall mean the Renaissance quote #Q1593082 dated 6/13/2016 attached hereto as Exhibit B in the amount of \$ 8,200.00 .

2. LICENSE GRANT

All Software provided to Customer under this Agreement is subject to the applicable license terms included in the Software.

3. FEES

- a. Renaissance will deliver the Materials and Services in accordance with the schedule set forth on the Quotation and Customer shall pay Renaissance according to the payment terms set forth on Exhibit A.
- b. The Quotation price is firm, fixed and inclusive of all costs unless specifically provided for in this Agreement and Exhibits thereto, or otherwise agreed in writing signed by an authorized representative of each Party.
- c. All prices and fees are in U.S. dollars unless otherwise specified.
- d. Customer is responsible for all sales, use, value-added, excise, property, withholding, and other taxes and duties (if any) assessed by any authority in connection with this Agreement.
- e. Invoices not paid within the terms set out in Exhibit A are subject to interest charges accruing from the invoice date at an annual rate equal to 1% per month, or if less, the maximum amount allowed by law.

4. SUPPORT

The Customer's educators, administrative users and technical support personnel will have unlimited access to phone and online chat support for the Software; Monday through Friday during Renaissance's normal business hours, excluding holidays observed by Renaissance.

Use of computer technology, public utilities and the internet are inherently subject to uncertainties and Renaissance does not represent that use of the Software will be uninterrupted, error-free, virus free, without slow response time, or completely secure.

Support does not include issues relating to use of the Internet or software and hardware not provided by Renaissance. Maintenance and support of any Renaissance-provided equipment is subject to the limited warranty terms included in the equipment documentation. Customer agrees to provide Renaissance with all information reasonably requested by Renaissance for use in replicating, diagnosing and correcting any Software errors or problems reported by Customer.

Customer is responsible for the Software access rights of its employees, students, parents and anyone else for whom Customer sets up a user account in the Software (collectively "Users") and assumes all risks associated with Customer's password policies, administration of User rights, and for the use or misuse of the system by the Users.

5. PROPRIETARY INFORMATION

- a. The parties agree to maintain the confidentiality of business, operational and other information provided to one another hereunder, provided such information is marked or otherwise identified as confidential or proprietary or is of a nature that the receiving Party knows or should know is confidential or proprietary (referred to herein as

“Proprietary Information”), and will only use it in carrying out its rights and obligations under this Agreement.

b. Both parties agree to restrict access to the Proprietary Information of the other only to employees and contractors who require access in the course of their assigned duties and responsibilities in connection with this Agreement.

c. The confidentiality obligations of the parties regarding the Proprietary Information of the other shall not apply to any material or information that (i) is or becomes a part of the public domain through no act or omission by the receiving Party, (ii) is independently developed by employees of the receiving Party without use or reference to the Proprietary Information of the other Party, (iii) is disclosed to the receiving Party by a third-party that, to the receiving Party’s knowledge, was not bound by a confidentiality obligation to the other Party, (iv) is demanded by a lawful order from any court or any body empowered to issue such an order, or (v), is required by operation of law.

6. PRIVACY

a. Each Party is responsible for its compliance with the applicable privacy laws, including the Children's Online Privacy Protection Act and the Family Educational Rights and Privacy Act (collectively, the “Privacy Laws”). In the event of conflict or uncertainty interpreting the Privacy Laws, a Party will resolve the uncertainty or conflict in favor of prohibiting the disclosure of personally identifiable information.

b. All personally identifiable information and customer-identified information (collectively “Customer Information”) shall remain the property of the Customer.

c. Non-identifiable and de-identified information is the property of Renaissance and may be used for research, product development, improving the Software, and other legitimate purposes.

d. Customer will keep confidential the technical information relating to the setup and security of the Software including but not limited to Renaissance server IP addresses, passwords, virtual private network setup, and encryption keys.

7. TERM AND TERMINATION

a. The term of this Agreement will commence on the Effective Date and will continue until terminated by mutual agreement of the parties, or in accordance with the other terms and conditions of this Section 7.

b. This Agreement shall automatically terminate in the event: (a) a Party makes a general assignment for the benefit of creditors; (b) a Party admits in writing its inability to pay debts as they mature; (c) a trustee, custodian or receiver is appointed by any court with respect to a Party or any substantial part of such Party’s assets; or (d) an action is taken by or against a Party under any bankruptcy or insolvency laws or laws relating to the relief of debtors, including the United States Bankruptcy Code, which is not stayed or dismissed within 30 after commencement thereof.

c. Renaissance may terminate this Agreement, and/or any licenses granted herein immediately without right to cure or right to proration under Section 7.f. if Customer uses, transfers or discloses any of the Software or other Proprietary Information, or any copy or modification thereof, in violation of this Agreement.

d. Either Party may cancel this Agreement upon 30-day’s written notice if the other Party has breached any material provision of this Agreement, including failure to make payments when due and such breach is not fully cured within such 30-day period.

e. This agreement will automatically terminate at the renewal date of the Quotation.

f. Upon termination Customer shall immediately pay to Renaissance all undisputed amounts due for Materials and Services provided under this Agreement, and Renaissance shall reimburse Customer the pro-rata portion of any annual subscription fees or any other fees paid in advance for any unexpired subscription period or any other unexpired period. Termination of this Agreement shall not limit the remedies otherwise available to either Party, including injunctive relief.

8. LIMITATIONS OF LIABILITY AND DAMAGES

RENAISSANCE WILL NOT BE LIABLE FOR NOR SHALL CUSTOMER MAKE ANY CLAIM FOR (WHETHER BASED ON CONTRACT, TORT, STRICT OR STATUTORY LIABILITY, NEGLIGENCE OR OTHERWISE), ANY SPECIAL, INCIDENTAL, EXEMPLARY, PUNITIVE, DIRECT, INDIRECT OR CONSEQUENTIAL DAMAGES (EVEN IF RENAISSANCE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES), INCLUDING, BUT NOT LIMITED TO, LOST PROFITS OR SAVINGS, LOSS OF USE OF SERVICES, COST OF CAPITAL, COST OF SUBSTITUTE SERVICES OR FACILITIES, DOWNTIME COSTS OR DAMAGES AND EXPENSES ARISING OUT OF THIRD-PARTY CLAIMS.

9. MISCELLANEOUS

a. Customer shall comply with all then current export and import laws and regulations of the United States and such other governments as are applicable to the Software. In particular, but without limitation, the Software may not be exported (i) into (or to a national or resident of) any U.S. embargoed country (ii) to anyone on the U.S. Treasury Department’s list of Specially Designated Nationals or the U.S. Department of Commerce’s Table of

Denial Orders. By using the Software you represent and warrant that you are not located in, under control of, or a national or resident of any such country or on any such list.

b. Renaissance may use third-parties in performance of this Agreement and all references to Renaissance or its employees shall be deemed to include such third-parties.

c. A Party may not assign this Agreement or any license granted or created hereunder whether by operation of law, or in any other manner, without the prior written consent of the other Party, which consent shall not be unreasonably withheld. Notwithstanding the foregoing, either Party may assign this Agreement either (i) to an affiliate of such Party so long as the assignor remains secondarily liable, or (ii) in its entirety as part of the sale or transfer, directly, indirectly or by operation of law of all or substantially all of the assets or business of the Party relating to the business of which the subject matter of this Agreement is a part. This agreement shall be binding on the Parties successors and assigns. There are no third party beneficiaries to this Agreement.

d. The parties are independent contractors and nothing in this Agreement shall be deemed to make either Party an agent, employee, partner or joint ventures of the other Party.

e. The waiver by either Party of a breach by the other Party of any provisions of this agreement shall not be deemed a waiver of any subsequent breach.

f. This agreement shall be governed by the laws of the State of Wisconsin, excluding its conflict of law provisions.

g. Any notice required under this Agreement shall be given in writing and shall be deemed effective upon mailing by first class mail, properly addressed and postage prepaid, or delivery by courier service to the address specified on the face page hereof or to such other address as the parties may designate in writing.

h. If any portion of this Agreement is determined to be or becomes unenforceable or illegal, such portion shall be deemed eliminated and the remainder of this Agreement shall remain in effect in accordance with its terms as modified by such deletion.

i. The obligations of the parties under this Agreement, which by their nature would continue beyond the termination, cancellation or expiration of this Agreement, shall survive termination, cancellation, or expiration of this Agreement.

j. Except for payment defaults, neither Party shall be considered in default in performance of its obligations hereunder if performance of such obligations is prevented or delayed by force majeure or any cause beyond its reasonable control.

k. This Agreement, including the attached Exhibits, constitutes the entire agreement between the parties regarding the subject matter hereof and supersedes all proposals and prior discussions and writings between the parties with respect thereto. This agreement may only be modified in writing and only if signed by authorized representatives of both parties.

l. Each Party agrees to conduct all of its activities relating to its performance of this Agreement in compliance with all applicable laws, regulations and rules.

AGREEMENT SCHEDULE

IN WITNESS WHEREOF, the parties hereto have executed this Agreement, including the following Agreement Schedule effective as of the date last signed below.

RENAISSANCE LEARNING, INC.
("Renaissance")

OXNARD SCHOOL DISTRICT
("Customer")

Debra C. Schoenick
Title: Vice President of Strategic Support

Date: 7/11/2016

Lisa A. Franz
Title: Director, Purchasing

Date: _____

List of Exhibits:

Exhibit A – Payment Terms

Exhibit B – Quotation

EXHIBIT A

PAYMENT TERMS

1. Renaissance will invoice Customer upon receipt of Customer's order. Invoices are due on a net 30 days basis.
2. Applicable sales and use tax will be added to the Quotation amounts, unless a valid tax exemption certificate (if required) is provided to Renaissance.
3. Send all payments to:

Renaissance Learning, Inc.
P.O. Box 8036
Wisconsin Rapids, WI 54495-8036

EXHIBIT B

QUOTATION

Quotation follows on next page.



RENAISSANCE LEARNING™
Accelerating learning for all

PO Box 8036, Wis. Rapids, WI 54495-8036 - Phone:(800) 338-4204 Fax:(877) 280-7642 Federal I.D. 39-1559474

Quote #: 1593082

Oxnard School District - 274891
1051 S A St
Oxnard, CA 93030-7442
Contact: Mary Curtis - (805) 487-3918
Email: mcurtis@oxnardsd.org

Reference ID: 138636
Created: 06/13/2016

| Quote Summary | School Count : 1 |
|--------------------------|-------------------------|
| Product & Services Total | \$8,200.00 |
| Shipping and Processing | \$0.00 |
| Sales Tax | \$0.00 |
| Grand Total | \$8,200.00 |

To place an order, please submit your organization's required purchase order with reference to quote number 1593082. An invoice will be sent upon receipt of your purchase order. Payment is due net 30 days from the invoice date. If your organization does not require a purchase order, please contact our order services team at 877-444-3172 for assistance with placing your order.

Mail: PO Box 8036, Wis. Rapids, WI 54495-8036
Fax: (877)280-7642
Email: electronicorders@renaissance.com

If changes are necessary, or additional information is required, please contact your account executive (s) David Cisneros at (866)563-1090, Thank You.

Use your Prop 98 funding to lock in multi-year discounts on the programs you need.

This quote is valid for 30 days. All quotes and orders are subject to availability of merchandise. Professional development expires one year from purchase date. Alterations to this quote will not be honored without Renaissance Learning approval. Please note: Any pricing or discount indicated is subject to change with alterations to the quote. Tax has been estimated and is subject to change without notice. Unless you provide Renaissance Learning with a valid and correct tax exemption certificate applicable to your purchase of product and the product ship-to location, you are responsible for sales and other taxes associated with this order.

Renaissance Place is an advanced, web-based, software system. Renaissance Learning personnel are available to assist with each step of the detailed implementation to help you realize the multiple benefits that Renaissance Place provides. To ensure a successful implementation, please allow 30 to 90 days for the remote installation and setup.



RENAISSANCE LEARNING™

Accelerating learning for all

PO Box 8036, Wis. Rapids, WI 54495-8036 - Phone:(800) 338-4204 Fax:(877) 280-7642 Federal I.D. 39-1659474

Quote #: 1593082

| Oxnard School District - 274891 | | | | |
|---|-----------------|-------------------|-----------------|-------------------|
| Products & Services | Quantity | Unit Price | Discount | Total |
| Reading Prof Devel - 6 hour Onsite Day | 2 | \$3,000.00 | \$0.00 | \$6,000.00 |
| Reading Prof Devel -6 hour Consecutive Onsite Day | 1 | \$2,200.00 | \$0.00 | \$2,200.00 |
| Oxnard School District Total | | | \$0.00 | \$8,200.00 |
| | | | | |

BOARD AGENDA ITEM

Name of Contributor(s): Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____

CLOSED SESSION _____

SECTION B: HEARINGS _____

SECTION C: CONSENT **X**

SECTION D: ACTION _____

SECTION E: REPORTS/DISCUSSION _____

SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

**Approval of Agreement/MOU #16-58, Ventura County Office of Education
(Freeman/Thomas)**

VCOE will provide professional development to staff in the Oxnard School District for the 2016-2017 school year for the Mathematics California Common Core State Standards (CCSS-M) and continued support for the implementation of the CCSS and the California ELD Standards including Reading Foundational Skills.

FISCAL IMPACT:

Not to exceed \$47,933.60 – Title I

RECOMMENDATION:

It is the recommendation of the Director, Curriculum, Instruction & Accountability, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement/MOU #16-58 with the Ventura County Office of Education.

ADDITIONAL MATERIAL(S):

Attached: Agreement/MOU #16-58, Ventura County Office of Education (1 Page)

**AGREEMENT #16-58 BETWEEN
VENTURA COUNTY OFFICE OF EDUCATION AND OXNARD SCHOOL DISTRICT
FOR PROFESSIONAL LEARNING**

The scope of this document is to define the roles and responsibilities of Ventura County Office of Education Department of Curriculum and Instruction Department staff in training administrators, coaches and teachers in the Oxnard School District, hereafter called “the District.” The purpose is to support staff in the Mathematics California Common Core State Standards (CCSS-M) and continued support for the implementation of the CCSS and the California ELD Standards including Reading Foundational Skills.

This serves as a Memorandum of Understanding and Responsibility Agreement that “**the District**” and the **Ventura County Office of Education** will work together toward promoting the CCSS implementation support for teachers, coaches, and administrators. Each agency, according to its defined role, agrees to participate in coordinating, providing and financing the following services for the purpose of this agreement.

1. Ventura County Office of Education agrees to:

- a. Provide twelve (12) afternoon sessions (9-8-16, 10-6-16, 10-13-16, 11-7-16, 11-28-16 and 12-1-16) of mathematics support for up to 30 certificated staff each with CI staff: fees include customized design and facilitation, for a total of \$12,600.00.
- b. Provide six days (9-20-16, 9-21-16, 9-22-16, 1-17-17, 1-18-17, and 1-19-17) of mathematics support to up to 30 certificated staff for each 6-8 grade level session with CI staff: fees include customized design and facilitation for a total of \$15,200.00.
- c. Provide educational leadership ELD coaching to district administrator(s): fees include customized design and facilitation for up to 5 sessions for a total of \$3,000.00.
- d. Provide up to ten (10) half days of reading foundational skills support at the VCOE including room, beverages and breakfast snacks (9-29-16, 10-6-16, 10-13-16, 10-27-16, 11-3-16, 11-10-16, 11-17-16), or designated OSD sites (9-15-16, 10-19-16, 10-20-16) with CI staff: for a total fee of \$12,776.00.
- e. Maintain ownership of all documents and data produced in the training sessions.

2. Oxnard School District agrees to:

- a. Ensure each participant has the appropriate set of CCSS standards for ELA and ELD.
- b. Support trainings by expecting regular classroom visits by site principal to monitor implementation of new learning.
- c. Pay for and provide substitute teachers, if they are needed.
- d. Pay Ventura County Office of Education, Curriculum and Instruction Department Division \$43,576.00 plus the additional materials, handouts and graphics charges for training not to exceed \$4,357.60 for a total \$47,933.60.

The Ventura County Office of Education shall monitor this Agreement to oversee implementation of project activity. This Memorandum of Understanding and Responsibility Agreement shall be effective upon signature and implemented between August 2016 and June 2017.

For the Oxnard School District:

Lisa A. Franz, Director, Purchasing

Date

For the Ventura County Office of Education:

Valerie Chrisman, Ed.D., Associate Superintendent

Date

BOARD AGENDA ITEM

Name of Contributor(s): Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____

CLOSED SESSION _____

SECTION B: HEARINGS _____

SECTION C: CONSENT X

SECTION D: ACTION _____

SECTION E: REPORTS/DISCUSSION _____

SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Approval of Agreement #16-59, Ventura County Office of Education (Freeman/Ridge)

Ventura County Office of Education (VCOE) will work with the Oxnard School District toward promoting CHAMPS implementation support for staff members for professional learning opportunities. The purpose is to support staff in the successful implementation of the PBIS CHAMPS approach.

FISCAL IMPACT:

Not to exceed \$43,500.00 and up to \$4,350.00 for Graphics charges for a total of \$47,850.00 – General Fund per LCAP Goals

RECOMMENDATION:

It is the recommendation of the Director, Pupil Services, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement #16-59 with the Ventura County Office of Education.

ADDITIONAL MATERIAL(S):

Attached: Agreement #16-59, Ventura County Office of Education (1 Page)

**AGREEMENT/MOU #16-59 BETWEEN
VENTURA COUNTY OFFICE OF EDUCATION AND OXNARD SCHOOL DISTRICT
FOR PROFESSIONAL LEARNING**

The scope of this document is to define the roles and responsibilities of Ventura County Office of Education Curriculum and Instruction Department in training administrators and teachers in Cohort A including Rose Avenue, Lemonwood School and Haydock Middle School, and Cohort B including Brekke School, Curren School, Sierra Linda School and Soria School of the Oxnard School District, hereafter called “the District.” The purpose is to support staff in the successful implementation of the PBIS CHAMPS approach.

This serves as a Memorandum of Understanding and Responsibility Agreement that “**the District**” and the **Ventura County Office of Education** will work together toward promoting CHAMPS implementation support for Cohort A Cohort B Schools for professional learning opportunities. Each agency, according to its defined role, agrees to participate in coordinating, providing and financing the following services for the purpose of this agreement.

1. Ventura County Office of Education agrees to:

- a. Provide one half-day of CHAMPS training for Cohort B Leadership Teams, date TBD, with CI staff at the VCOE, including room, and breakfast, and provide up to four full days trainings to Cohorts A and B. Specifically, one day training with the national trainer and CI staff for each of Cohort A (November 8, 2016) and Cohort B (October 25, 2016), and two day training sessions together for Cohorts A and Cohort B (January 12, 2017 at an OSD designated site, and April 5, 2017 at the VCOE), provide up to five days total of additional visitations to the cohort’s targeted schools with CI staff, dates to be mutually determined for 2016-2017, and four CHAMPS coaching sessions for the OSD CHAMPS point person with CI staff for a total cost for the training sessions are \$43,500.00.
- b. Maintain ownership of all documents and data produced in the training sessions.

2. The District agrees to:

- a. Ensure each participant has the appropriate set of CHAMPS Books.
- b. Pay for and provide substitute teachers, if they are needed.
- c. Support professional learning through regular classroom visits by school and district administrator to monitor and support implementation of new learning.
- d. Pay Ventura County Office of Education, Curriculum and Instruction Department \$43,500.00 and up to \$4,350.00 for graphics charges for a total of \$47,850.00.

The Ventura County Office of Education shall monitor this Agreement to oversee implementation of project activity. This Memorandum of Understanding and Responsibility Agreement shall be effective upon signature and implemented during the 2016-2017 school year. Specific dates may be mutually adjusted as mutually agreed upon.

For the Oxnard School District:

Lisa A. Franz, Director, Purchasing

Date

For the Ventura County Office of Education

Valerie Chrisman, Ed.D., Associate Superintendent

Date

BOARD AGENDA ITEM

Name of Contributor(s): Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____

CLOSED SESSION _____

SECTION B: HEARINGS _____

SECTION C: CONSENT X

SECTION D: ACTION _____

SECTION E: REPORTS/DISCUSSION _____

SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Approval of Agreement/MOU #16-60, Oxnard Union High School District (Freeman)

The purpose of the Agreement/MOU is to facilitate the collection, analysis, and sharing of the data for Oxnard School District (OSD) students who will likely be attending high school within the jurisdiction of Oxnard Union High School District (OUHSD), in order to track performance and assist the transition of OSD students to high school. Specifically, by sharing identification information of 8th grade OSD students, the parties can streamline transition processes, lower barriers to entry, and enable both OSD and OUHSD to better facilitate the movement of students to high school.

FISCAL IMPACT:

No fiscal impact.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement/MOU #16-60 with Oxnard Union High School District.

ADDITIONAL MATERIAL(S):

Attached: Agreement/MOU #16-60, Oxnard Union High School District (7 Pages)

OXNARD UNION HIGH SCHOOL DISTRICT

**AGREEMENT/MEMORANDUM OF UNDERSTANDING #16-60
ON THE SHARING OF DATA**

This Agreement/Memorandum of Understanding on the Sharing of Data, ("Agreement") is entered into by and between the Oxnard Union High School District ("OUHSD"), and Oxnard School District ("District") known collectively, along with OUHSD, as the "Parties" on August 4, 2016 ("Effective Date").

WHEREAS, the elementary school districts who are party to this Agreement are within the attendance boundaries of OUHSD and customarily send the majority of their graduating students to OUHSD; and

WHEREAS, it is of significant benefit to OUHSD and the students who will be attending an OUHSD school, when OUHSD receives student records ("Records") pertaining to the student's course history, academic performance and any program needs including but not limited to: English language development, special education, gifted and talented education so that adequate and responsive staffing, coursework and resources can be obtained in a timely and orderly manner; and

WHEREAS, the Parties to this Agreement wish to identify the Records from the transferring District to OUHSD in the Fall Semester of the school year, based on a List of Expected Enrollees ("List"); and

NOW THEREFORE FOR GOOD AND VALUABLE CONSIDERATION, THE PARTIES AGREE AS FOLLOWS:

1. Purpose: The purpose of the agreement is to facilitate the collection, analysis, and sharing of the data of students who will likely be attending high school within the jurisdiction of OUHSD in order to track performance and assist the transition of students of the Districts to high schools. Specifically, by sharing identification information of 8th grade students in the District, the Parties can streamline transition processes, lower barriers to entry, and enable Districts to better facilitate the movement of students to high school.

2. Privacy Protections:

a. The Parties agree that the disclosure of data under this Agreement complies with the requirements of Education Code sections 49076 and 49076.5, as amended by AB 733 and AB 1584., the Family Educational Rights and Privacy Act ("FERPA") (20 U.S.C. § 1232g; 34 CFR Part 99, as amended), and Student Online Personal Information Protection Act ("SOPIPA") (California Business and Professions Code section 22584), and other state and federal laws and regulations regarding educational or health records (including the Health Information Portability and Privacy Act of 1996 ("HIPAA") governing data privacy and confidentiality, and further agree to adhere to the requirements of such laws and regulations in carrying out their responsibilities under this Agreement.

OXNARD UNION HIGH SCHOOL DISTRICT

b. The Parties agree that OUHSD shall constitute officials of other schools or school systems in which students of the District intend to enroll, per 20 U.S.C. 1232g(b)1(b). Upon request by a parent, the District shall provide a copy of the Records. District shall provide an opportunity for such parent to challenge the content of the Records.

3. Initial Data Sharing: OUHSD shall send a Request for the Student List ("Request") to the participating District by November 1 of each school year. A copy of said List shall simultaneously be sent to the Ventura County Office of Education ("VCOE"). The District shall provide OUHSD with a list of the Students within thirty (30) after receipt of the Request and simultaneously send the List and accompanying Student records to the database maintained for OUHSD by VCOE. VCOE shall not be liable for transmitting student data in good faith pursuant to this Section. The Student Records transmitted shall consist of the following categories of documents and information. The Parties shall provide one another with certain information ("Transition Data"). Said data shall be provided in the manner and form as specified by from OUHSD, pursuant the scope of information found attached hereto in **Exhibit "A"**. The data shall be used exclusively for only for conducting studies and to assist with the evaluation, design, and delivery of the Parties' educational programs. This data includes, but may not be limited to, personally identifiable information held by the Districts such as names, date of birth, gender, and ethnicity as well as admissions information, terms of enrollment, courses, transcripts, and grades. Any data received pursuant to this Agreement shall be destroyed when it is no longer needed for the studies and no later than ten years from the date the data is first received.

- a. Ownership of the Data. The Parties agree that academic data shall be solely owned by the educational institution which originally provided the data.
- b. Student and Parent Access to Data. As applicable, the Parties shall provide a means by which an authorized employees of the Districts can search and export academic data through reasonable procedures such that that Districts can respond to a parent, legal guardian, or eligible student who seeks to review personally identifiable information on the pupil's records for incorrect or erroneous information. The foregoing notwithstanding, the Parties shall cooperate with that educational institution to help insure that this record correction will be consistent with that educational institution's policies regarding record correction. The Parties shall additionally provide procedures for the transfer of pupil-generated content to a personal account.
- c. Third Party Access. The Parties shall not distribute data to any third party without the explicit written consent of the Parties or as permitted by this Agreement, unless required by law. The Parties shall ensure that approved subcontractors adhere to all of the provisions of this Agreement. The Parties will help insure that any subcontractor or sub-processor that it engages to process store or access academic data has adequate technical security and organizational measure in place to keep academic data secure and to comply with the terms of this Agreement.
- d. Revisions to List: By May 31 of the applicable school year OUHSD shall compile a list of students who have provided OUHSD with a completed Intent to Enroll Form and provide copies of said List to the participating District in question.

OXNARD UNION HIGH SCHOOL DISTRICT

4. Confidentiality: Each Party designates the other as an “authorized representative” for purposes of confidentiality and data privacy laws. The Parties will maintain the confidentiality of any and all student data exchanged by each as a part of this Agreement. The confidentiality requirements under this paragraph shall survive the termination or expiration of this Agreement or any subsequent agreement intended to supersede this Agreement. To ensure the continued confidentiality and security of the student data processed, stored, or transmitted under this Agreement, educational institutions shall establish a system of safeguards that will at minimum include the following:

- a. Procedures and systems that ensure all student records are kept in secured facilities and access to such records is limited to personnel who are authorized to have access to said data under this section of the Agreement.
- b. All designated staff and faculty at consortium educational institutions involved in the handling, transmittal, and/or processing of data provided under this Agreement will be required to execute a confidentiality agreement requiring said personnel to maintain the confidentiality of all student related personally identifiable information.
- c. Procedures and systems that shall require the use of secured passwords to access computer databases used to process, store, or transmit data provided under this Agreement.
- d. Procedures and systems, such as good practices for assigning passwords, shall be developed and implemented to maintain the integrity of the systems used to secure computer databases used to process, store, or transmit data provided under this Agreement.
- e. Procedures and systems that ensure that all confidential student data processed, stored, and/or transmitted under the provisions of this Agreement shall be maintained in a secure manner that prevents the interception, diversion, or other unauthorized access to said data.
- f. The procedures and systems developed and implemented to process, store, or transmit data provided under this Agreement shall ensure that any and all disclosures of confidential student data comply with all provisions of the “Family Educational Rights and Privacy Act” and California law relating to the privacy rights of students, such as but not limited to, the Information Practices Act and the California Public Records Act insofar as such laws are applicable to the Parties to this Agreement.
- g. Access to any personally identifiable information included in the data shall be restricted to those individuals with a legitimate need for access in order to carry out the purposes set forth above in this Agreement.
- h. Data Breach Notification. Upon becoming aware of any unlawful or unauthorized access to academic data shared pursuant to this Agreement, each Party will take the following measures:

OXNARD UNION HIGH SCHOOL DISTRICT

- i. Promptly notify the impacted educational institution of the suspected or actual incident:
- ii. Promptly investigate the incident and provide the educational institution with detailed information regarding the incident, including the identity of the affected users.
- iii. Assist the educational institution in notifying the affected users, affected persons legal guardians of commercially reasonable steps to mitigate the effects and to minimize any damages resulting from the incident

5. Indemnification: Each Party agrees to defend, indemnify, and hold each other Party, its officers, employees, and agents harmless from and against any liability, loss, expense (including attorneys' fees), or claims of injury or damages arising out of the performance of the terms of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorneys' fees, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of the indemnifying educational institution, and/or its officers, employees or agents.

6. Entire Agreement: This document states the entire agreement between the educational institutions with respect to its subject matter and supersedes any previous and contemporaneous or oral representations, statements, negotiations, or agreements.

7. Execution: Each of the persons signing this Agreement on behalf of a Party or entity other than a natural person represents that he or she has authority to sign on behalf and to bind such Party.

8. Assignment: None of the signatories to this Agreement may assign their rights, duties, or obligations under this Agreement, either in whole or in part, without the prior written consent of the other signatories to this Agreement.

9. Severability: If any provision of this Agreement is held to be illegal, invalid, or unenforceable under present or future laws effective during the term of this Agreement such provision shall be fully severable. This Agreement shall remain in full force and effect unaffected by such severance, provided that the severed provision(s) are not material to the overall purpose and operation of this Agreement.

10. Waiver: Waiver by any signatory to this Agreement of any breach of any provision of this Agreement or warranty of representation set forth herein shall not be construed as a waiver of any subsequent breach of the same or any other provision. The failure to exercise any right under this Agreement shall not operate as a waiver of such right. All rights and remedies provided for in this Agreement are cumulative.

11. Modification and Amendments: This Agreement may be amended or modified at any time by written mutual agreement of the authorized representatives of the signatories to this Agreement. The Parties further agree to amend this Agreement to the extent amendments are required by an applicable law or policy issued by an appropriate regulatory authority if the amendment does not materially affect the provisions of this Agreement. However, if new laws, policies, or regulations applicable to the educational institutions are implemented which

OXNARD UNION HIGH SCHOOL DISTRICT

materially affect the intent of the provision of this Agreement, the authorized representatives of the signatories to this Agreement shall meet within a reasonable period of time, e.g. 20 business days from the date of notice of such change of law, policy, or regulations, to confer regarding how and/or if those laws, policies, or regulations will be applied or excepted.

12. Term of this Agreement: This Agreement shall be in effect as of the date set forth below until June 30, 2017. Any party may terminate its participation by delivering written notice to the other Parties no less than thirty (30) days prior to its intent to terminate the agreement. Upon termination, academic data or duplicates of academic data belonging to the terminating party shall be destroyed within a reasonable time following the notice of termination. However, termination by any participant(s) listed as a party will have no force or effect on the rights and responsibilities as to the remaining Parties.

[Remainder of Page Left Intentionally Blank.]

OXNARD UNION HIGH SCHOOL DISTRICT

IN WITNESS WHEREOF, this Memorandum of Understanding on the Sharing of Data is entered into on the respective dates set forth below by the Parties, to be effective as of August 4, 2016.

OXNARD SCHOOL DISTRICT:

By: _____
(Signature)

Name: Lisa A. Franz
Title: Director, Purchasing

Address:
1051 South A Street
Oxnard, CA 93030
United States

Date: _____

OXNARD UNION HIGH SCHOOL DISTRICT

By: _____
(Signature)

Name: _____
Title: _____

Address:

United States

Date: _____

OXNARD UNION HIGH SCHOOL DISTRICT

EXHIBIT "A"

SCOPE OF INFORMATION

On or before November 1, the District hereby agrees to provide OUHSD with the following information:

The data necessary to successfully transition the students which includes, but is not limited to:

Directory Information – Name, address, gender, date of birth

Demographic Information – Stated race/ethnicity, special program or population requirements (including but not limited to SPED, English Learner, RFEP, GATE)

Academic Information – Course enrollment, course grades, test scores, current schedule

Information shall be delivered in a form so requested by OUHSD.

BOARD AGENDA ITEM

Name of Contributor(s): Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____

CLOSED SESSION _____

SECTION B: HEARINGS _____

SECTION C: CONSENT **X**

SECTION D: ACTION _____

SECTION E: REPORTS/DISCUSSION _____

SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Approval of Agreement #16-61, Ventura County Office of Education (Freeman/Thomas)

Ventura County Office of Education (VCOE) will provide California English Language Arts/Literacy and English Language Development Adoption Toolkit Training leadership facilitation for the grades 6-8 pilot process for the 2016-2017 school year.

FISCAL IMPACT:

Not to exceed \$14,025.00 – Title I

RECOMMENDATION:

It is the recommendation of the Director, Curriculum, Instruction, & Accountability, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement #16-61 with the Ventura County Office of Education.

ADDITIONAL MATERIAL(S):

Attached: Agreement #16-61, Ventura County Office of Education (1 Page)

**AGREEMENT/MEMORANDUM OF UNDERSTANDING #16-61 BETWEEN
VENTURA COUNTY OFFICE OF EDUCATION AND OXNARD SCHOOL DISTRICT
FOR PROFESSIONAL LEARNING**

The scope of this document is to define the roles and responsibilities of Ventura County Office of Education Department of Curriculum and Instruction Department staff in training administrators, coaches and teachers in the Oxnard School District (OSD), hereafter called “the District.” The purpose is to support staff in the California English Language Arts/Literacy and English Language Development Adoption Toolkit (Grades 6-8) Training.

This serves as a Memorandum of Understanding and Responsibility Agreement that “**the District**” and the **Ventura County Office of Education** will work together toward promoting the CCSS implementation support for teachers, coaches, and administrators. Each agency, according to its defined role, agrees to participate in coordinating, providing and financing the following services for the purpose of this agreement.

- 1. Ventura County Office of Education agrees to:**
 - a. Provide California English Language Arts/Literacy and English Language Development Adoption Toolkit Training leadership facilitation for approximately 25 teachers and administrators (Grades 6-8). Sessions to be provided at the OSD District Office. \$14,025.00 fee includes supplies, graphics, preparation, facilitation and custom design for 6 evening sessions with two CI staff. *(Scheduled dates may be changed upon agreement by both parties.)*
 - b. Maintain ownership of all documents and data produced in the training session(s).
- 2. Oxnard School District agrees to:**
 - a. Ensure each participant has the appropriate set of CCSS Standards for ELA, ELD, and Appendices.
 - b. Provide presentation equipment as requested (LCD projector, screen and document camera, laptop and/or interactive white board).
 - c. Support trainings by expecting regular classroom visits by site principal to monitor implementation of new learning.
 - d. Pay for and provide substitute teachers, if they are needed.
 - e. If the District chooses to purchase the new ELD standards document, there will be an additional cost through the California Department of Education.
 - f. Pay Ventura County Office of Education, Curriculum and Instruction Department \$14,025.00 for CI staff, handout materials, and graphics charges for training.

The Ventura County Office of Education shall monitor this Agreement to oversee implementation of project activity. This Memorandum of Understanding and Responsibility Agreement shall be effective upon signature and implemented between August 2016 and June 2017.

For the Oxnard School District:

Lisa A. Franz, Director, Purchasing

Date

For the Ventura County Office of Education:

Valerie Chrisman, Ed.D., Associate Superintendent

Date

BOARD AGENDA ITEM

NAME OF CONTRIBUTOR: Robin Freeman

DATE OF MEETING: 8/3/16

| | |
|--------------------------------------|---|
| STUDY SESSION | _____ |
| CLOSED SESSION | _____ |
| SECTION B: HEARINGS | _____ |
| SECTION C: CONSENT | <u> X </u> |
| SECTION D: ACTION | _____ |
| SECTION E: REPORTS/DISCUSSION | _____ |
| SECTION F: BOARD POLICIES | 1 st Reading _____ 2nd Reading _____ |

Approval of Agreement #16-63 - Gold Coast K9 (Freeman/Ridge)

Gold Coast K9 will provide six sniffs per month for ten months at Haydock, Frank and Fremont Middle Schools as well as one K9 sniff per month for ten months at Chavez, Curren, Driffill, Kamala, Lemonwood and Soria Schools for a total of 120 K9 detection sniffs for the Oxnard School District. Gold Coast K9 will conduct all detection sniffs in accordance with the Oxnard School District Policy and utilize training methods accepted within the profession and designed to meet POST training standards in the state of California.

FISCAL IMPACT:

Total not to exceed \$24,000.00 - MAA Funds

RECOMMENDATION:

It is recommended by the Director, Pupil Services, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement #16-63 with Gold Coast K9, for the 2016-2017 school year.

ADDITIONAL MATERIALS:

Attached: #16-63, Gold Coast K9 (13 Pages)
Proposal (1 Page)

OXNARD SCHOOL DISTRICT

Agreement #16-63

AGREEMENT FOR CONSULTANT SERVICES

This Agreement for Consultant Services (“Agreement”) is entered into as of this 3rd day of August, 2016 by and between the Oxnard School District (“District”) and Gold Coast K9 (“Consultant”). District and Consultant are sometimes hereinafter individually referred to as “Party” and hereinafter collectively referred to as the “Parties.”

RECITALS

- A. District is authorized by *California Government Code* Section 53060, and Board Policy 4368, to contract with independent contractors for the furnishing of services concerning financial, economic, accounting, engineering, legal, administrative and other matters. District has sought, by issuance of a Request for Proposals or Invitation for Bids, the performance of the Services, as defined and described particularly on Exhibit A, attached to this Agreement.
- B. Following submission of a proposal or bid for the performance of the Services, Consultant was selected by the District to perform the Services.
- C. The Parties desire to formalize the selection of Consultant for performance of the Services and desire that the terms of that performance be as particularly defined and described herein.

OPERATIVE PROVISIONS

NOW, THEREFORE, in consideration of the mutual promises and covenants made by the Parties and contained here and other consideration, the value and adequacy of which are hereby acknowledged, the parties agree as follows:

- 1. Incorporation of Recitals and Exhibits.** The Recitals set forth above and all exhibits attached to this Agreement, as hereafter amended, are incorporated by this reference as if fully set forth herein.
- 2. Term of Agreement.** Subject to earlier termination as provided below, this Agreement shall remain in effect from **August 4, 2016** through **June 30, 2017** (the “Term”). This Agreement may be extended only by amendment, signed by the Parties, prior to the expiration of the Term.
- 3. Time for Performance.** The scope of services set forth in Exhibit A shall be completed during the Term pursuant to the schedule specified Exhibit A. Should the scope of services not be completed pursuant to that schedule, the Consultant shall be deemed to be in Default as provided below. The District, in its sole discretion, may choose not to enforce the Default provisions of this Agreement and may instead allow Consultant to continue performing the Services.
- 4. Compensation and Method of Payment.** Subject to any limitations set forth below or elsewhere in this Agreement, District agrees to pay Consultant the amounts specified in Exhibit B “Compensation”. The total compensation, including reimbursement for actual expenses, shall not exceed Twenty-Four Thousand Dollars (\$24,000.00), unless additional compensation is approved in writing by the District.

- a. Each month Consultant shall furnish to District an original invoice for all work performed and expenses incurred during the preceding month. The invoice shall detail charges by the following categories: labor (by sub-category), travel, materials, equipment, supplies, and sub-consultant contracts. Sub-consultant charges, if any, shall be detailed by the following categories: labor, travel, materials, equipment and supplies. District shall independently review each invoice submitted by the Consultant to determine whether the work performed and expenses incurred are in compliance with the provisions of this Agreement. In the event that no charges or expenses are disputed, the invoice shall be approved and paid according to the terms set forth in subsection b. In the event any charges or expenses are disputed by District, the original invoice shall be returned by District to Consultant for correction and resubmission.
- b. Except as to any charges for work performed or expenses incurred by Consultant which are disputed by District, District will use its best efforts to cause Consultant to be paid within forty-five (45) days of receipt of Consultant's correct and undisputed invoice.
- c. Payment to Consultant for work performed pursuant to this Agreement shall not be deemed to waive any defects in work performed by Consultant.

5. **Termination.** This Agreement may be terminated at any time by mutual agreement of the Parties or by either Party as follows:

- a. District may terminate this Agreement, with or without cause, at any time by giving thirty (30) days written notice of termination to Consultant. In the event such notice is given, Consultant shall cease immediately all work in progress; or
- b. Consultant may terminate this Agreement for cause at any time upon thirty (30) days written notice of termination to District.

6. **Inspection and Final Acceptance.** District may, at its discretion, inspect and accept or reject any of Consultant's work under this Agreement, either during performance or when within sixty (60) days after submitted to District. If District does not reject work by a timely written explanation, Consultant's work shall be deemed to have been accepted. District's acceptance shall be conclusive as to such work except with respect to latent defects, fraud and such gross mistakes as amount to fraud. Acceptance of any of Consultant's work by District shall not constitute a waiver of any of the provisions of this Agreement including, but not limited to indemnification and insurance provisions.

7. **Default.** Failure of Consultant to perform any Services or comply with any provisions of this Agreement may constitute a default. The District may give notice to Consultant of the default and the reasons for the default. District shall not have any obligation or duty to continue compensating Consultant for any work performed after the date of the notice until the default is cured. The notice shall include the timeframe in which Consultant may cure the default. This timeframe is presumptively thirty (30) days, but may be extended, though not reduced, at the discretion of the District. During the period of time that Consultant is in default, the District shall hold all invoices and shall, when the default is cured, proceed with payment on the invoices. In the alternative, the District may, in its sole discretion, elect to pay some or all of the outstanding invoices during the period of default. If Consultant does not cure the default, the District may terminate this Agreement as provided above. Any failure on the part of the District to give notice of the Consultant's default shall not be deemed to result in a waiver of the District's legal rights or any rights arising out of any provision of this Agreement.

8. **Ownership of Documents.** All maps, models, designs, drawings, photographs, studies, surveys, reports, data, notes, computer files, files and other documents prepared, developed or discovered by Consultant in the course of providing any services pursuant to this Agreement (collectively and individually, the "Documents") shall

become the sole property of District and may be used, reused or otherwise disposed of by District without the permission of the Consultant. Upon completion, expiration or termination of this Agreement, Consultant shall turn over to District all such Documents.

9. **Use of Documents by District.** If and to the extent that District utilizes for any purpose not related to this Agreement any Documents, Consultant's guarantees and warrants related to Standard of Performance under this Agreement shall not extend to such use of the Documents.

10. **Consultant's Books and Records.** Consultant shall maintain any and all documents and records demonstrating or relating to Consultant's performance of services pursuant to this Agreement for a minimum of three years after termination or expiration of this Agreement, or longer if required by law.

- a. Consultant shall maintain any and all ledgers, books of account, invoices, vouchers, canceled checks, or other documents or records evidencing or relating to work, services, expenditures and disbursements charged to District pursuant to this Agreement for a minimum of three years, or longer if required by law, all in accordance with generally accepted accounting principles and with sufficient detail so as to permit an accurate evaluation of the services provided by Consultant pursuant to this Agreement.
- b. Any and all such records or documents shall be made available for inspection, audit and copying, at any time during regular business hours, upon request by District or its designated representative. Copies of such documents or records shall be provided directly to the District for inspection, audit and copying when it is practical to do so; otherwise, unless an alternative is mutually agreed upon, such documents and records shall be made available at Consultant's address indicated for receipt of notices in this Agreement.
- c. District has the right to acquire custody of such records by written request if Consultant decides to dissolve or terminate its business. Consultant shall deliver or cause to be delivered all such records and documents to District within sixty (60) days of receipt of the request.

11. **Independent Contractor.** Consultant is and shall at all times remain a wholly independent contractor and not an officer, employee or agent of District.

- a. The personnel performing the services under this Agreement on behalf of Consultant shall at all times be under Consultant's exclusive direction and control. Consultant, its agents or employees shall not at any time or in any manner represent that Consultant or any of Consultant's officers, employees, or agents are in any manner officials, officers, employees or agents of District. Neither Consultant, nor any of Consultant's officers, employees or agents, shall, by virtue of services rendered under this Agreement, obtain any rights to retirement, health care or any other benefits which may otherwise accrue to District's employees. Consultant will be responsible for payment of all Consultant's employees' wages, payroll taxes, employee benefits and any amounts due for federal and state income taxes and Social Security taxes since these taxes will not be withheld from payment under this agreement.
- b. Consultant shall have no authority to bind District in any manner, or to incur any obligation, debt or liability of any kind on behalf of or against District, whether by contract or otherwise, unless such authority is expressly conferred in writing by District, or under this Agreement.

12. **Standard of Performance.** Consultant represents and warrants that it has the qualifications, experience and facilities necessary to properly perform the services required under this Agreement in a thorough, competent and professional manner. Consultant shall at all times faithfully, competently and to the best of its ability, experience and talent, perform all services described herein. In meeting its obligations under this Agreement,

Consultant shall employ, at a minimum, generally accepted standards and practices utilized by persons engaged in providing services similar to those required of Consultant under this Agreement.

13. **Confidential Information.** All information gained during performance of the Services and all Documents or other work product produced by Consultant in performance of this Agreement shall be considered confidential. Consultant shall not release or disclose any such information, Documents or work product to persons or entities other than District without prior written authorization from the Superintendent of the District, except as may be required by law.

- a. Consultant shall promptly notify District if it is served with any summons, complaint, subpoena or other discovery request, court order or other request from any party regarding this Agreement or the work performed hereunder.
- b. District retains the right, but has no obligation, to represent Consultant or be present at any deposition, hearing or similar proceeding. Consultant agrees to cooperate fully with District and to provide District with the opportunity to review any response to discovery requests provided by Consultant; provided that this does not imply or mean the right by District to control, direct, or rewrite said response.

14. **Conflict of Interest; Disclosure of Interest.** Consultant covenants that neither it, nor any officer or principal of its firm, has or shall acquire any interest, directly or indirectly, which would conflict in any manner with the interests of District or which would in any way hinder Consultant's performance of services under this Agreement. Consultant further covenants that in the performance of this Agreement, no person having any such interest shall be employed by it as an officer, employee, agent or subcontractor without the express written consent of the District.

- a. Consultant agrees to at all times avoid conflicts of interest or the appearance of any conflicts of interest with the interests of District in the performance of this Agreement.
- b. Bylaws of the Board 9270 BB and 9270(BB) E, as hereinafter amended or renumbered, require that a Consultant that qualifies as a "designated employee" must disclose certain financial interests by filing financial interest disclosures. By its initials below, Consultant represents that it has received and reviewed a copy of the Bylaws of the Board 9270 BB and 9270(BB) E and that it [____] does [X] does not qualify as a "designated employee".

_____ (Initials)

- c. Consultant agrees to notify the Superintendent, in writing, if Consultant believes that it is a "designate employee" and should be filing financial interest disclosures, but has not been required to do so by the District.

_____ (Initials)

15. **Compliance with Applicable Laws.** In connection with the Services and its operations, Consultant shall keep itself informed of and comply with all applicable federal, state and local laws, statutes, codes, ordinances, regulations and rules including, but not limited to, minimum wages and/or prohibitions against discrimination, in effect during the Term. Consultant shall obtain any and all licenses, permits and authorizations necessary to perform the Services. Neither District, nor any elected or appointed boards, officers, officials, employees or agents of District shall be liable, at law or in equity, as a result of any failure of Consultant to comply with this section.

- a. Without limiting the generality of the foregoing, Consultant shall comply with any applicable fingerprinting requirements as set forth in the Education Code of the State of California.

_____ (Initials)

16. **Unauthorized Aliens.** Consultant hereby promises and agrees to comply with all of the provisions of the Federal Immigration and Nationality Act, 8 U.S.C.A. §§ 1101, et seq., as amended, and in connection therewith, shall not employ “unauthorized aliens” as that term is defined in 8 U.S.C.A. §1324a(h)(3). Should Consultant so employ such individuals for the performance of work and/or services covered by this Agreement, and should any liability or sanctions be imposed against District for such employment, Consultant hereby agrees to and shall reimburse District for the cost of all such liabilities or sanctions imposed, together with any and all costs, including attorneys' fees, incurred by District.

17. **Non-Discrimination.** Consultant shall abide by the applicable provisions of the United States Civil Rights Act of 1964 and other provisions of law prohibiting discrimination and shall not discriminate, in any way, against any person on the basis of race, color, religious creed, national origin, ancestry, sex, age, physical handicap, medical condition or marital status in connection with or related to the performance of this Agreement.

18. **Assignment.** The expertise and experience of Consultant are material considerations for this Agreement. District has an interest in the qualifications of and capability of the persons and entities that will fulfill the duties and obligations imposed upon Consultant under this Agreement. In recognition of that interest, Consultant shall not assign or transfer this Agreement or any portion of this Agreement or the performance of any of Consultant’s duties or obligations under this Agreement without the prior written consent of the Board of Directors of the District. Any attempted assignment shall be ineffective, null and void, and shall constitute a material breach of this Agreement entitling District to any and all remedies at law or in equity, including summary termination of this Agreement.

19. **Subcontracting.** Notwithstanding the above, Consultant may utilize subcontractors in the performance of its duties pursuant to this Agreement, but only with the prior written consent of the District. The Consultant shall be as fully responsible to the District for the acts and omissions of his Subcontractors, and of persons either directly or indirectly employed by him/her, as if the acts and omissions were performed by him/her directly.

20. **Continuity of Personnel.** Consultant shall make every reasonable effort to maintain the stability and continuity of Consultant’s staff and subcontractors, if any, assigned to perform the services required under this Agreement.

- a. Consultant shall insure that District has a current list of all personnel and sub-contractors providing services under this Agreement.
- b. Consultant shall notify District of any changes in Consultant’s staff and subcontractors, if any, assigned to perform the services required under this Agreement, prior to and during any such performance. The list notice shall include the following information: (1) all full or part-time staff positions by title, including volunteer positions whose direct services are required to provide the services described herein; (2) a brief description of the functions of each such position and the hours each position works each week or, for part-time positions, each day or month, as appropriate; (3) the professional degree, if applicable, and experience required for each position; and (4) the name of the person responsible for fulfilling the terms of this Agreement.

21. **Indemnification.**

- a. Consultant agrees to defend, indemnify, and hold harmless District, its officers, agents, employees, and/or volunteers from any and all claims, demands, losses, damages and expenses, including legal fees and costs, or other obligations or claims arising out of any liability or damage to property, or any other loss, sustained or claimed to have been sustained arising out of activities of the Consultant or those of any of Consultant’s officers, agents, employees, or subcontractors, whether such act or omission is authorized by this Agreement or not. Consultant shall also pay for any and all damage to the Property of the District, or loss or theft of such Property, done or caused by such persons. District

assumes no responsibility whatsoever for any property placed on district premises. Consultant further agrees to waive all rights of subrogation against the District. The provisions of this Agreement do not apply to any damage or losses caused solely by the negligence of the District or any of its officers, agents, employees, and/or volunteers.

_____ (Initials)

- b. The provisions of this section do not apply to claims occurring as a result of District's sole negligence or willful acts or omissions.

22. **Insurance.** Consultant agrees to obtain and maintain in full force and effect during the term of this Agreement the insurance policies set forth in **Exhibit C** "Insurance" and made a part of this Agreement. All insurance policies shall be subject to approval by District as to form and content. These requirements are subject to amendment or waiver if so approved in writing by the District Superintendent. Consultant agrees to provide District with copies of required policies upon request.

23. **Notices.** All notices required or permitted to be given under this Agreement shall be in writing and shall be personally delivered, or sent by telecopier or certified mail, postage prepaid and return receipt requested, addressed as follows:

To District: Oxnard School District
 1051 South A Street
 Oxnard, California, 93030
 Attention: Robin Freeman
 Phone: 805.385.1501 x2301
 Fax: 805.486.7358

To Consultant: Gold Coast K9
 PO Box 5009
 Ventura, CA 93005
 Attention: Rodney Spicer
 Phone: 805.290.6148
 Fax:

Notice shall be deemed effective on the date personally delivered or transmitted by facsimile (provided confirmation of successful facsimile transmission shall be retained) or, if mailed, three (3) days after deposit of the same in the custody of the United States Postal Service.

24. **Excusable Delays.** Consultant shall not be liable for damages, including liquidated damages, if any, caused by delay in performance or failure to perform due to causes beyond the control of Consultant. Such causes include, but are not limited to, acts of God, acts of the public enemy, acts of federal, state or local governments, acts of District, court orders, fires, floods, epidemics, strikes, embargoes, and unusually severe weather. The term and price of this Agreement shall be equitably adjusted for any delays due to such causes.

25. **Authority to Execute.** The person or persons executing this Agreement on behalf of Consultant represents and warrants that he/she/they has/have the authority to so execute this Agreement and to bind Consultant to the performance of its obligations hereunder.

26. **Administration.** **ROBIN FREEMAN** shall be in charge of administering this Agreement on behalf of the District. The Administrator has completed **Exhibit D** "Conflict of Interest Check" attached hereto.

27. **Binding Effect.** This Agreement shall be binding upon the heirs, executors, administrators, successors and assigns of the parties.

28. **Entire Agreement.** This Agreement and the exhibits and documents incorporated herein constitute the entire agreement and understanding between the parties in connection with the matters covered herein.

29. **Amendment.** No amendment to or modification of this Agreement shall be valid or binding unless made in writing by the Consultant and by the District. The parties agree that this requirement for written modifications cannot be waived and that any attempted waiver shall be void.

30. **Waiver.** Waiver by any party to this Agreement of any term, condition, or covenant of this Agreement shall not constitute a waiver of any other term, condition, or covenant. Waiver by any party of any breach of the provisions of this Agreement shall not constitute a waiver of any other provision or a waiver of any subsequent breach or violation of any provision of this Agreement. Acceptance by District of any work or services by Consultant shall not constitute a waiver of any of the provisions of this Agreement.

31. **Governing Law.** This Agreement shall be interpreted, construed and governed according to the laws of the State of California. In the event of litigation between the parties, venue in state trial courts shall lie exclusively in the County of Ventura, California.

32. **Arbitration.** Any dispute arising out of the performance of this Agreement shall be resolved by binding arbitration in accordance with rules and procedures of the American Arbitration Association.

33. **Severability.** If any term, condition or covenant of this Agreement is declared or determined by any court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions of this Agreement shall not be affected thereby and the Agreement shall be read and construed without the invalid, void or unenforceable provision(s).

[THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, the District and Consultant have executed and delivered this agreement for consultant services as of the date first written above.

OXNARD SCHOOL DISTRICT:

GOLD COAST K9:

Signature

Signature

Lisa A. Franz, Director, Purchasing

Typed Name/Title

Typed Name/Title

Date

Date

Tax Identification Number: 95-6002318

Tax Identification Number: _____

- Not Project Related
 Project #16-63

EXHIBIT A
TO AGREEMENT FOR CONSULTANT SERVICES #16-63

SERVICES

I. Consultant will perform the following Services under the Captioned Agreement:

Gold Coast K9 will provide six K9 sniffs per month for ten months at Haydock, Frank and Fremont Middle Schools as well as one K9 sniff per month for ten months at Chavez, Curren, Driffill, Kamala, Lemonwood and Soria Schools for a total of 120 K9 detection sniffs for the Oxnard School District. Gold Coast K9 will conduct all detection sniffs in accordance with the Oxnard School District Policy and utilize training methods accepted within the profession and designed to meet POST training standards in the state of California.

II. As part of the Services, Consultant will prepare and deliver the following tangible work products to the District:

A report of findings from all searches conducted during the 2016-17 school year.

III. During performance of the Services, Consultant will keep the District appraised of the status of performance by delivering the following status reports under the indicated schedule:

| STATUS REPORT FOR ACTIVITY: | DUE DATE |
|--|-----------------|
| A. Report of all searches conducted during the 2016-17 school year | July 31, 2017 |
| B. N/A | |
| C. N/A | |
| D. N/A | |

V. Consultant will utilize the following personnel to accomplish the Services:

- None.
 See attached list.

VI. Consultant will utilize the following subcontractors to accomplish the Services (check one):

- None.
 See attached list.

VII. AMENDMENT

The Scope of Services, including services, work product, and personnel, are subject to change by mutual Agreement. In the absence of mutual Agreement regarding the need to change any aspects of performance, Consultant shall comply with the Scope of Services as indicated above

- Not Project Related
 Project #16-63

EXHIBIT B
TO AGREEMENT FOR CONSULTANT SERVICES #16-63

COMPENSATION

I. Consultant shall use the following rates of pay in the performance of the Services:

***PER ATTACHED PROPOSAL**

II. Consultant may utilize subcontractors as indicated in this Agreement. The hourly rate for any subcontractor is not to exceed \$0.00 per hour without written authorization from the District Superintendent or his designee.

III. The District will compensate Consultant for the Services performed upon submission of a valid invoice. Each invoice is to include:

- A. Line items for all personnel describing the work performed, the number of hours worked, and the Hourly or flat rate.
- B. Line items for all supplies properly charged to the Services.
- C. Line items for all travel properly charged to the Services.
- D. Line items for all equipment properly charged to the Services.
- E. Line items for all materials properly charged to the Services.
- F. Line items for all subcontractor labor, supplies, equipment, materials, and travel properly charged to the Services.

IV. The total compensation for the Services shall not exceed \$24,000.00, as provided in Section 4 of this Agreement.

Not Project Related

Project #16-63

EXHIBIT C
TO AGREEMENT FOR CONSULTANT SERVICES #16-63

INSURANCE

I. Insurance Requirements. Consultant shall provide and maintain insurance, acceptable to the District Superintendent or District Counsel, in full force and effect throughout the term of this Agreement, against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by Consultant, its agents, representatives or employees. Insurance is to be placed with insurers authorized to conduct business in the State of California and with a current A.M. Best's rating of no less than A, as rated by the Current edition of Best's Key Rating Guide, published by A.M. Best Company, Oldwick, New Jersey 08858. Consultant shall provide the following scope and limits of insurance:

A. Minimum Scope of Insurance. Coverage shall be at least as broad as:

(1) Commercial General Liability coverage of not less than two million dollars (\$2,000,000) Aggregate and one million dollars (\$1,000,000) per occurrence.

(2) Auto liability insurance with limits of not less than one million dollars (\$1,000,000) one hundred thousand (\$100,000)/three hundred thousand dollars (\$300,000).

(3) Insurance coverage should include:

1. owned, non-owned and hired vehicles;
2. blanket contractual;
3. broad form property damage;
4. products/completed operations; and
5. personal injury.

(4) Workers' Compensation insurance as required by the laws of the State of California.

~~_____ (5) Abuse and Molestation coverage of not less than two million dollars (\$2,000,000) per occurrence and five million dollars (\$5,000,000) Aggregate.~~

~~_____ (6) Professional liability (Errors and Omissions) insurance, including contractual liability, as appropriate to the Consultant's profession, in an amount of not less than the following:~~

~~_____ Accountants, Attorneys, Education Consultants, _____ \$1,000,000~~

~~_____ Nurses, Therapists~~

~~_____ Architects _____ \$1,000,000 or \$2,000,000~~

~~_____ Physicians and Medical Corporations _____ \$5,000,000~~

~~**Failure to maintain professional liability insurance is a material breach of this Agreement and grounds for immediate termination**~~

II. Other Provisions. Insurance policies required by this Agreement shall contain the following provisions:

Not Project Related

Project #16-63

A. All Policies. Each insurance policy required by this Agreement shall be endorsed and state the coverage shall not be suspended, voided, cancelled by the insurer or either party to this Agreement, reduced in coverage or in limits except after 30 days' prior written notice by Certified mail, return receipt requested, has been given to District

B. General Liability, Automobile Liability, and ~~Abuse/Molestation~~ Coverages.

(1) District, and its respective elected and appointed officers, officials, employees and volunteers are to be covered as additional insureds (collectively, "additional insureds") as respects the following: liability arising out of activities Consultant performs; products and completed operations of Consultant; premises owned, occupied or used by Consultant ; automobiles owned, leased, hired or borrowed by Consultant, ~~and Abuse/Molestation~~. The coverage shall contain no special limitations on the scope of protection afforded to additional insureds.

(2) Each policy shall state that the coverage provided is primary and any insurance carried by any additional insured is in excess to and non-contributory with Consultant's insurance.

(3) Consultant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

(4) Any failure to comply with the reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to any additional insured.

III. Other Requirements. Consultant agrees to deposit with District, at or before the effective date of this contract, certificates of insurance necessary to satisfy District that the insurance provisions of this contract have been complied with. The District may require that Consultant furnish District with copies of original endorsements effecting coverage required by this Section. The certificates and endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. District reserves the right to inspect complete, certified copies of all required insurance policies, at any time.

A. If any Services are performed by subcontractor, Consultant shall furnish certificates and endorsements from each subcontractor identical to those Consultant provides.

B. Any deductibles or self-insured retentions must be declared to and approved by District. At the option of District, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects District or its respective elected or appointed officers, officials, employees and volunteers or the Consultant shall procure a bond guaranteeing payment of losses and related investigations, claim administration, defense expenses and claims.

C. The procuring of any required policy or policies of insurance shall not be construed to limit Consultant's liability hereunder nor to fulfill the indemnification provisions and requirements of this Agreement.

- Not Project Related
- Project #16-63

EXHIBIT D
TO AGREEMENT FOR CONSULTANT SERVICES #16-63

CONFLICT OF INTEREST CHECK

Bylaws of the Board 9270(BB)E requires that the Superintendent or a designee make a determination, on a case by case basis, concerning whether disclosure will be required from a consultant to comply with the District's Conflict of Interest Code (commencing with Bylaws of the Board 9270 BB).

Consultant's are required to file disclosures when, pursuant to a contract with the District, the Consultant will make certain specified government decisions or will perform the same or substantially the same duties for the District as a staff person would.

The services to be performed by Consultant under the Agreement to which this Exhibit D is attached constitute do not constitute governmental decisions or staff services within the meaning of the Conflict of Interest Code. Therefore, the Consultant, **GOLD COAST K9**, who will provide Services under the Agreement, is is not subject to disclosure obligations.

Date: _____

By: _____
Lisa A. Franz
Director, Purchasing

**AGREEMENT WITH GOLD COAST K9 TO PROVIDE K9 SAFETY CHECKS FOR THE
OXNARD SCHOOL DISTRICT DURING THE 2016-2017 SCHOOL YEAR**

During the 2016-2017 school year, Gold Coast K9 will provide six K9 visits per month for ten months for a total of 60 detection sniffs at Haydock, Frank and Fremont Intermediate as well as one K9 sniff per month for ten months at Soria, Chavez, Curren, Driffill, Lemonwood and Kamala for a total of 120 K9 safety check visits for the Oxnard School District. Gold Coast K9 will conduct all detection sniffs in accordance with the Oxnard School District's Policy and utilize training methods accepted within the profession and designed to meet POST training standards in the state of California. The areas to be sniffed will be Bathrooms, Locker Rooms and Open areas, Classrooms will be at the Superintendent's discretion.

Gold Coast K9 will provide detection sniffs in the following odors:

- Heroin
- Marijuana
- Spice
- Cocaine
- Methamphetamine
- Guns
- Alcohol
- Smokeless Powder
- TNT
- Dynamite
- Potassium Chlorate
- Sodium Chlorate
- C-4
- Ammonium Nitrate Dynamite
- PETN
- RDX
- Det Cord

For the services to be provided Gold Coast K9 will charge \$24,000 for 120 K9 detection sniffs.

BOARD AGENDA ITEM

Name of Contributor(s): Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____

CLOSED SESSION _____

SECTION B: HEARINGS _____

SECTION C: CONSENT **X**

SECTION D: ACTION _____

SECTION E: REPORTS/DISCUSSION _____

SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Approval of Agreement #16-64 – Mixteco/Indigena Community Organizing Project (MICOP) (Freeman)

This Agreement/MOU will make it possible for MICOP to provide interpreting and visual translation services as needed for our Mixteco and Zapoteco speaking families.

FISCAL IMPACT:

Not to exceed \$50.00 per hour plus mileage – General Fund

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement #16-64 with Mixteco/Indigena Community Organizing Project (MICOP).

ADDITIONAL MATERIAL(S):

Attached: Agreement #16-64, Mixteco/Indigena Community Organizing Project
(9 Pages)



MIXTECO/INDÍGENA COMMUNITY ORGANIZING PROJECT

MAILING ADDRESS: P.O. BOX 20543 OXNARD CA 93034-0543

ADDRESS: 520 W. 5TH ST., SUITE F OXNARD, CA 93030

TEL: 805 483-1166; FAX: 805 483-1145

TAX ID #: 30-0045901

WWW.MIXTECO.ORG

LANGUAGE SERVICES AGREEMENT #16-64

This LANGUAGE SERVICES AGREEMENT is entered into as of August 3, 2016 (“Effective Date”), by and between the Mixteco/Indígena Community Organizing Project, a 501(c)(3) nonprofit corporation, located at 520 W. 5th St., Suite F, Oxnard, CA 93030 (hereinafter referred to as “MICOP”), and Oxnard School District, located at 1051 South A Street Oxnard, CA 93030 (hereinafter referred to as “Client”). MICOP and Client are sometimes herein individually referred to as “Party” and collectively as the “Parties”. In consideration of their mutual agreements described herein agree as follows:

RECITALS

WHEREAS, MICOP is engaged in the business of providing hospitals, emergency services, outpatient clinics, medical offices and other medical service providers, health plans, governments, for-profit businesses, and not-for-profit institutions with Mixteco/Zapoteco – Spanish and English (with very limited availability). Interpreting services and video interpretation are available in specific regional variants of Mixteco and Zapoteco as listed on **Attachment A**;

WHEREAS, Client desires to engage MICOP to provide interpreting and visual translation services to its members, clients, or service providers within its network;

NOW, THEREFORE, in consideration of the premises and the mutual covenants and promises contained herein, and intending to be bound hereby, the parties agree as follows:

ARTICLE 1. RELATIONSHIP

- 1.01 Independent Contractor: MICOP shall be an independent contractor with respect to Client. Nothing contained in the agreement is intended to create, nor shall it be construed to create, any relationship between the parties other than that of independent parties contracting with each other solely for the purpose of effectuating the provisions of the Agreement; neither is this Agreement intended, except as may otherwise be specifically set forth, to create a relationship of agency, representation, joint venture, or employment between the parties.
- 1.02 Services: All Services provided by MICOP under this contract shall be performed by interpreters and translators chosen solely by MICOP’s determination of qualifications, skill, and difficulty of assignment, as well as scheduling availability.
 - a). Client may make request to MICOP for specific interpreters and translators for specific assignments under this agreement, however, while MICOP will make best efforts to satisfy such requests consistent with MICOP quality obligations, MICOP cannot, and does not, guarantee that such requests consistently can or will be filled;
 - b). Client understands that all interpreters and translators assigned by MICOP to

perform services under this agreement are not employees of Client;

c). Client understands that all requests for interpreter and translation services under this agreement are to be made to and through MICOP and not directly to or from interpreters and translators.

d). In accordance with the preceding paragraph, Client understands that any attempt or request to contact any interpreter or translator directly that circumvents MICOP scheduling protocols for the purposes of performing interpreting and translation services or any other associated services, shall be deemed a breach of this Agreement.

e). All requests for an on-site interpreter and/or telephonic interpretation assistance shall be sent by email or facsimile as specified by MICOP on **Attachment B**.

1.03 Other Conditions/Policies: In order to provide excellent, reliable interpreting services, all service requests must be communicated directly either by telephone or by other electronic means to MICOP. A written confirmation from MICOP shall serve as the official receipt of the request.

ARTICLE 2. COMPENSATION

2.01 In consideration of providing professional interpreting services to Client, MICOP will provide these services for compensation according to the schedule on **Attachment C** for a period of one year from the Effective Date. Pricing and terms will renew automatically thereafter and shall continue unless with 30-day advance written notice from either Client or MICOP.

Multiple Recipients (Included All Rates): Consecutive appointments that occur in the same location with the same language pair. For these appointments, MICOP can interpret for up to two (2) recipients per hour. For classes, group therapies and small meetings, MICOP can provide simultaneous services for up to three (3) recipients.

Billing Policy: MICOP bills at a minimum of **ONE HOUR (1)** for every on-site appointment. Thereafter, MICOP will bill in fifteen (15) minute increments of service, or for each portion thereof.

No Shows: *Interpreter wait time is 20 minutes beyond the start time of the appointment.* If an appointment is not cancelled *prior* to the scheduled start time, and Client fails to arrive at the appointment within 20 minutes of the scheduled start time, the appointment is qualified as a “No Show” and the full rate will apply. If Client is late to an appointment and Interpreter is still present and able to provide services as described herein, services will be billed as of the scheduled start time until completion.

Telephone Assistance/Over-the-Phone Interpretation

MICOP interpreters can be scheduled to provide language assistance in regional dialects in Mixteco or Zapoteco (See Attachment A) for important telephonic exchanges between service-providers and their Limited English Proficient (LEP) clients. Please see **Attachment D** for charges for telephone interpretation, appointment confirmations, conference calls, and other telephonic assistance.

Client Invoices: Invoices are processed and sent no more than 60 days after date of service. MICOP INVOICES ARE DUE NET 30 DAYS FROM THE DATE OF THE INVOICE. A LATE PAYMENT CHARGE OF 1.5% OF THE BALANCE, CALCULATED MONTHLY, WILL BE CHARGED IF A CLIENT PAYMENT IS NOT RECEIVED WITHIN 30 DAYS OF THE DATE OF THE INVOICE. A

CHARGE OF 1.5% PER MONTH, CALCULATED MONTHLY, WILL BE CHARGED TO THE TOTAL UNPAID BALANCE REMAINING IN THE CLIENT ACCOUNT.

Invoice Information:

To: Oxnard School District, Accounts Payable
Representative Name, Title: Nida Fierro, Accounting Specialist III
Fiscal Billing Address: 1051 South A Street, Oxnard, CA 93030
Fiscal Email: lfierro@oxnardsd.org
Fiscal Phone Number: 805/385-1501 x2471
Fax Phone Number: 805/483-7226

ARTICLE 3. MISCELLANEOUS PROVISIONS

- 3.01 Entire Agreement/Amendment. This agreement, including any and all exhibits, constitutes the entire understanding and agreement between the parties as to those matters contained in it, and supersedes any and all prior or contemporaneous agreements, representations and understandings of the parties. This Agreement may be amended at any time by mutual agreement of the parties, but any such amendment must be in writing, dated, and signed by the parties and attached hereto.
- 3.02 Attorneys' Fees. If any legal action or proceeding is brought to enforce or interpret this Agreement, the prevailing party shall be entitled to recover from the other party all reasonable costs, including but not limited to, reasonable costs and attorneys' fees, including such fees and costs as may be incurred in enforcing a judgment or order entered in any arbitration or legal action. Any judgment or order entered in such action shall contain a specific provision providing for the recovery of such attorney's fees and costs.
- 3.03 Severability. In the event any portion of this Agreement is declared void or unenforceable by a court or arbitrator, such portion shall be severed from this Agreement, and the remaining provisions shall remain in effect, unless the effect of such severance would be to substantially alter this Agreement or obligations of the parties, in which case this Agreement may be immediately terminated.
- 3.04 Waiver. Any failure of a party to insist upon strict compliance with any term, undertaking or condition of this agreement shall not be deemed to be a waiver of such term, undertaking or condition. To be effective, a waiver must be in writing, signed and dated by the parties.
- 3.05 Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of California.
- 3.06 Headings. The headings of sections in this Agreement are for reference only and are not to be construed in any way as part of this Agreement.
- 3.07 No Referrals. Nothing in this Agreement is intended to obligate and shall not obligate any party to this Agreement to refer clients to any other party.
- 3.08 Notices. All written notices to be given in connection with this Agreement shall be sufficient if sent by email, facsimile (together with proof of transmission and provided a hard copy is mailed

within one business day), certified or registered mail, postage prepaid, or national overnight delivery service addressed to the party entitled to receive such notice at the address specified by such party, as follows:

To MICOP:

Contact: Javier Martinez, Interpreter Coordinator, MICOP
Phone: (805) 483-1166 office, Cell (805)270-9483, Fax: (805) 483-1145
Email: javier.martinez@mixteco.org
Mailing Address: PO Box 20543, Oxnard, CA 93034

- 3.09 Confidentiality. Both parties shall protect the confidentiality of each other's records and information and in particular the information and records of patients receiving medical care and/or treatment from unauthorized disclosure in accordance with state and federal patient confidentiality laws and regulations. Both parties agree that they shall not disclose such confidential information without the prior written consent of the other party.
- 3.10 Counterparts. This Agreement may be executed in counterparts, each of which shall constitute an original, but all of which together shall constitute one and the same instrument. The signature page of any counterpart may be detached there from without impairing the legal effect of the signatures thereon provided such signature page is attached to any other counterpart identical thereto except having additional signature pages executed by the other Party. Counterparts may be delivered by fax or email provided that original executed counterparts are delivered to the recipient on the next business day following the fax or email transmission.
- 3.11 Health Insurance Portability and Accountability Act (HIPAA). MICOP agrees that it is essential and important to keep confidential all individually identifiable health information protected under California and federal law, including, but not limited to, Protected Health Information ("PHI) as defined in 45 C.F.R. 164.501 or its equivalent from time to time, that MICOP receives from Client, or creates or receives on behalf of Client. Therefore, MICOP shall comply with all applicable federal and California laws and regulations, including, but not limited to, HIPAA, and any amendments thereto, relating to PHI.
- 3.12 Execution. By their signatures below, each of the following represents that they have the authority to execute this Agreement and to bind the party on whose behalf their execution is made.

(Continues on following page)

IN WITNESS WHEREOF, the parties have executed, or caused this Agreement to be executed by their authorized agents on this:

_____ day of (month)_____ 2016

MIXTECO/INDIGENA COMMUNITY
ORGANIZING PROJECT,
a California nonprofit corporation

By: Arcenio J. Lopez
Executive Director

_____ day of (month)_____ 2016

Client: Oxnard School District

By: _____

Title: Director, Purchasing

Print Name: Lisa A. Franz



MIXTECO/INDÍGENA COMMUNITY ORGANIZING PROJECT

520 W. 5TH ST., SUITE F OXNARD, CA 93030

TEL: 805 483-1166; FAX: 805 483-1145

ATTACHMENT C

On-Site Interpreting
Oxnard School District

Schedule of Rates — Ongoing Assignments

- A). Appointments, Services & Emergencies 24/7/356 \$ 50/hr
- B). Cancellations without 24hrs Notice \$ 40/assignment
- C). Out of County (8-hour minimum).....\$80/hr
- D). Full-day, Classes, Community Events, Lectures and all else (over 10 in attendance.....*call for quotation*
- E). Mileage* based on IRS standard mileage rate

*Mileage: is the round trip mileage calculated from our office, 520 W. Fifth St., Suite F Oxnard, CA 93030 to the assignment location. Mileage is charged if the interpreter must travel over 10 miles from our office in Oxnard. Mileage is billed at the current IRS mileage rate.

Agency name: Oxnard School District 2016-2017



MIXTECO/INDÍGENA COMMUNITY ORGANIZING PROJECT

520 W. 5TH ST., SUITE F OXNARD, CA 93030

TEL: 805 483-1166; FAX: 805 483-1145

ATTACHMENT D

Telephonic Interpretation/ Over-the-phone Interpretation

For all telephone interpretation appointments, telephonic appointment confirmations with clients, and other basic instructions, each call bills @ \$15.00 per call, per 15-minute increments

Agency name: Oxnard School District 2016-2017

BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT **X**
SECTION D: ACTION _____
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Approval of Agreement #16-65 – Janice Hubbard Lindsay (Freeman/Breitenbach)

Janice Hubbard Lindsay’s services will include: singing some of her curriculum based songs, grade-level musical concepts (K-5), hands-on playing of musical instruments for the students (recorders, bells, percussion, batons for conducting, kazoos, etc.), handouts to accompany the lessons, and bringing in various instruments that she plays – recorder, flute, banjo, guitar, etc.

FISCAL IMPACT:

Not to exceed \$11,200.00 – General Fund

RECOMMENDATION:

It is the recommendation of the Principal, Marshall School, and the Assistant Superintendent, Educational Services that the Board of Trustees approve Agreement #16-65 with Janice Hubbard Lindsay.

ADDITIONAL MATERIAL:

Attached: Agreement #16-65, Janice Hubbard Lindsay (13 Pages)
Scope of Services (1 Page)

OXNARD SCHOOL DISTRICT

Agreement #16-65

AGREEMENT FOR CONSULTANT SERVICES

This Agreement for Consultant Services (“Agreement”) is entered into as of this 3rd day of August, 2016 by and between the Oxnard School District (“District”) and Janice Hubbard Lindsay (“Consultant”). District and Consultant are sometimes hereinafter individually referred to as “Party” and hereinafter collectively referred to as the “Parties.”

RECITALS

- A. District is authorized by *California Government Code* Section 53060, and Board Policy 4368, to contract with independent contractors for the furnishing of services concerning financial, economic, accounting, engineering, legal, administrative and other matters. District has sought, by issuance of a Request for Proposals or Invitation for Bids, the performance of the Services, as defined and described particularly on Exhibit A, attached to this Agreement.
- B. Following submission of a proposal or bid for the performance of the Services, Consultant was selected by the District to perform the Services.
- C. The Parties desire to formalize the selection of Consultant for performance of the Services and desire that the terms of that performance be as particularly defined and described herein.

OPERATIVE PROVISIONS

NOW, THEREFORE, in consideration of the mutual promises and covenants made by the Parties and contained here and other consideration, the value and adequacy of which are hereby acknowledged, the parties agree as follows:

- Incorporation of Recitals and Exhibits.** The Recitals set forth above and all exhibits attached to this Agreement, as hereafter amended, are incorporated by this reference as if fully set forth herein.
- Term of Agreement.** Subject to earlier termination as provided below, this Agreement shall remain in effect from **August 4, 2016** through **June 30, 2017** (the “Term”). This Agreement may be extended only by amendment, signed by the Parties, prior to the expiration of the Term.
- Time for Performance.** The scope of services set forth in Exhibit A shall be completed during the Term pursuant to the schedule specified Exhibit A. Should the scope of services not be completed pursuant to that schedule, the Consultant shall be deemed to be in Default as provided below. The District, in its sole discretion, may choose not to enforce the Default provisions of this Agreement and may instead allow Consultant to continue performing the Services.
- Compensation and Method of Payment.** Subject to any limitations set forth below or elsewhere in this Agreement, District agrees to pay Consultant the amounts specified in Exhibit B “Compensation”. The total compensation, including reimbursement for actual expenses, shall not exceed Eleven Thousand Two Hundred Dollars (\$11,200.00), unless additional compensation is approved in writing by the District.

- a. Each month Consultant shall furnish to District an original invoice for all work performed and expenses incurred during the preceding month. The invoice shall detail charges by the following categories: labor (by sub-category), travel, materials, equipment, supplies, and sub-consultant contracts. Sub-consultant charges, if any, shall be detailed by the following categories: labor, travel, materials, equipment and supplies. District shall independently review each invoice submitted by the Consultant to determine whether the work performed and expenses incurred are in compliance with the provisions of this Agreement. In the event that no charges or expenses are disputed, the invoice shall be approved and paid according to the terms set forth in subsection b. In the event any charges or expenses are disputed by District, the original invoice shall be returned by District to Consultant for correction and resubmission.
- b. Except as to any charges for work performed or expenses incurred by Consultant which are disputed by District, District will use its best efforts to cause Consultant to be paid within forty-five (45) days of receipt of Consultant's correct and undisputed invoice.
- c. Payment to Consultant for work performed pursuant to this Agreement shall not be deemed to waive any defects in work performed by Consultant.

5. **Termination.** This Agreement may be terminated at any time by mutual agreement of the Parties or by either Party as follows:

- a. District may terminate this Agreement, with or without cause, at any time by giving thirty (30) days written notice of termination to Consultant. In the event such notice is given, Consultant shall cease immediately all work in progress; or
- b. Consultant may terminate this Agreement for cause at any time upon thirty (30) days written notice of termination to District.

6. **Inspection and Final Acceptance.** District may, at its discretion, inspect and accept or reject any of Consultant's work under this Agreement, either during performance or when within sixty (60) days after submitted to District. If District does not reject work by a timely written explanation, Consultant's work shall be deemed to have been accepted. District's acceptance shall be conclusive as to such work except with respect to latent defects, fraud and such gross mistakes as amount to fraud. Acceptance of any of Consultant's work by District shall not constitute a waiver of any of the provisions of this Agreement including, but not limited to indemnification and insurance provisions.

7. **Default.** Failure of Consultant to perform any Services or comply with any provisions of this Agreement may constitute a default. The District may give notice to Consultant of the default and the reasons for the default. District shall not have any obligation or duty to continue compensating Consultant for any work performed after the date of the notice until the default is cured. The notice shall include the timeframe in which Consultant may cure the default. This timeframe is presumptively thirty (30) days, but may be extended, though not reduced, at the discretion of the District. During the period of time that Consultant is in default, the District shall hold all invoices and shall, when the default is cured, proceed with payment on the invoices. In the alternative, the District may, in its sole discretion, elect to pay some or all of the outstanding invoices during the period of default. If Consultant does not cure the default, the District may terminate this Agreement as provided above. Any failure on the part of the District to give notice of the Consultant's default shall not be deemed to result in a waiver of the District's legal rights or any rights arising out of any provision of this Agreement.

8. **Ownership of Documents.** All maps, models, designs, drawings, photographs, studies, surveys, reports, data, notes, computer files, files and other documents prepared, developed or discovered by Consultant in the course of providing any services pursuant to this Agreement (collectively and individually, the "Documents") shall

become the sole property of District and may be used, reused or otherwise disposed of by District without the permission of the Consultant. Upon completion, expiration or termination of this Agreement, Consultant shall turn over to District all such Documents.

9. **Use of Documents by District.** If and to the extent that District utilizes for any purpose not related to this Agreement any Documents, Consultant's guarantees and warrants related to Standard of Performance under this Agreement shall not extend to such use of the Documents.

10. **Consultant's Books and Records.** Consultant shall maintain any and all documents and records demonstrating or relating to Consultant's performance of services pursuant to this Agreement for a minimum of three years after termination or expiration of this Agreement, or longer if required by law.

- a. Consultant shall maintain any and all ledgers, books of account, invoices, vouchers, canceled checks, or other documents or records evidencing or relating to work, services, expenditures and disbursements charged to District pursuant to this Agreement for a minimum of three years, or longer if required by law, all in accordance with generally accepted accounting principles and with sufficient detail so as to permit an accurate evaluation of the services provided by Consultant pursuant to this Agreement.
- b. Any and all such records or documents shall be made available for inspection, audit and copying, at any time during regular business hours, upon request by District or its designated representative. Copies of such documents or records shall be provided directly to the District for inspection, audit and copying when it is practical to do so; otherwise, unless an alternative is mutually agreed upon, such documents and records shall be made available at Consultant's address indicated for receipt of notices in this Agreement.
- c. District has the right to acquire custody of such records by written request if Consultant decides to dissolve or terminate its business. Consultant shall deliver or cause to be delivered all such records and documents to District within sixty (60) days of receipt of the request.

11. **Independent Contractor.** Consultant is and shall at all times remain a wholly independent contractor and not an officer, employee or agent of District.

- a. The personnel performing the services under this Agreement on behalf of Consultant shall at all times be under Consultant's exclusive direction and control. Consultant, its agents or employees shall not at any time or in any manner represent that Consultant or any of Consultant's officers, employees, or agents are in any manner officials, officers, employees or agents of District. Neither Consultant, nor any of Consultant's officers, employees or agents, shall, by virtue of services rendered under this Agreement, obtain any rights to retirement, health care or any other benefits which may otherwise accrue to District's employees. Consultant will be responsible for payment of all Consultant's employees' wages, payroll taxes, employee benefits and any amounts due for federal and state income taxes and Social Security taxes since these taxes will not be withheld from payment under this agreement.
- b. Consultant shall have no authority to bind District in any manner, or to incur any obligation, debt or liability of any kind on behalf of or against District, whether by contract or otherwise, unless such authority is expressly conferred in writing by District, or under this Agreement.

12. **Standard of Performance.** Consultant represents and warrants that it has the qualifications, experience and facilities necessary to properly perform the services required under this Agreement in a thorough, competent and professional manner. Consultant shall at all times faithfully, competently and to the best of its ability, experience and talent, perform all services described herein. In meeting its obligations under this Agreement,

Consultant shall employ, at a minimum, generally accepted standards and practices utilized by persons engaged in providing services similar to those required of Consultant under this Agreement.

13. **Confidential Information.** All information gained during performance of the Services and all Documents or other work product produced by Consultant in performance of this Agreement shall be considered confidential. Consultant shall not release or disclose any such information, Documents or work product to persons or entities other than District without prior written authorization from the Superintendent of the District, except as may be required by law.

- a. Consultant shall promptly notify District if it is served with any summons, complaint, subpoena or other discovery request, court order or other request from any party regarding this Agreement or the work performed hereunder.
- b. District retains the right, but has no obligation, to represent Consultant or be present at any deposition, hearing or similar proceeding. Consultant agrees to cooperate fully with District and to provide District with the opportunity to review any response to discovery requests provided by Consultant; provided that this does not imply or mean the right by District to control, direct, or rewrite said response.

14. **Conflict of Interest; Disclosure of Interest.** Consultant covenants that neither it, nor any officer or principal of its firm, has or shall acquire any interest, directly or indirectly, which would conflict in any manner with the interests of District or which would in any way hinder Consultant's performance of services under this Agreement. Consultant further covenants that in the performance of this Agreement, no person having any such interest shall be employed by it as an officer, employee, agent or subcontractor without the express written consent of the District.

- a. Consultant agrees to at all times avoid conflicts of interest or the appearance of any conflicts of interest with the interests of District in the performance of this Agreement.
- b. Bylaws of the Board 9270 BB and 9270(BB) E, as hereinafter amended or renumbered, require that a Consultant that qualifies as a "designated employee" must disclose certain financial interests by filing financial interest disclosures. By its initials below, Consultant represents that it has received and reviewed a copy of the Bylaws of the Board 9270 BB and 9270(BB) E and that it [____] does [X] does not qualify as a "designated employee".

_____ (Initials)

- c. Consultant agrees to notify the Superintendent, in writing, if Consultant believes that it is a "designate employee" and should be filing financial interest disclosures, but has not been required to do so by the District.

_____ (Initials)

15. **Compliance with Applicable Laws.** In connection with the Services and its operations, Consultant shall keep itself informed of and comply with all applicable federal, state and local laws, statutes, codes, ordinances, regulations and rules including, but not limited to, minimum wages and/or prohibitions against discrimination, in effect during the Term. Consultant shall obtain any and all licenses, permits and authorizations necessary to perform the Services. Neither District, nor any elected or appointed boards, officers, officials, employees or agents of District shall be liable, at law or in equity, as a result of any failure of Consultant to comply with this section.

- a. Without limiting the generality of the foregoing, Consultant shall comply with any applicable fingerprinting requirements as set forth in the Education Code of the State of California.

_____ (Initials)

16. **Unauthorized Aliens.** Consultant hereby promises and agrees to comply with all of the provisions of the Federal Immigration and Nationality Act, 8 U.S.C.A. §§ 1101, et seq., as amended, and in connection therewith, shall not employ “unauthorized aliens” as that term is defined in 8 U.S.C.A. §1324a(h)(3). Should Consultant so employ such individuals for the performance of work and/or services covered by this Agreement, and should any liability or sanctions be imposed against District for such employment, Consultant hereby agrees to and shall reimburse District for the cost of all such liabilities or sanctions imposed, together with any and all costs, including attorneys' fees, incurred by District.

17. **Non-Discrimination.** Consultant shall abide by the applicable provisions of the United States Civil Rights Act of 1964 and other provisions of law prohibiting discrimination and shall not discriminate, in any way, against any person on the basis of race, color, religious creed, national origin, ancestry, sex, age, physical handicap, medical condition or marital status in connection with or related to the performance of this Agreement.

18. **Assignment.** The expertise and experience of Consultant are material considerations for this Agreement. District has an interest in the qualifications of and capability of the persons and entities that will fulfill the duties and obligations imposed upon Consultant under this Agreement. In recognition of that interest, Consultant shall not assign or transfer this Agreement or any portion of this Agreement or the performance of any of Consultant’s duties or obligations under this Agreement without the prior written consent of the Board of Directors of the District. Any attempted assignment shall be ineffective, null and void, and shall constitute a material breach of this Agreement entitling District to any and all remedies at law or in equity, including summary termination of this Agreement.

19. **Subcontracting.** Notwithstanding the above, Consultant may utilize subcontractors in the performance of its duties pursuant to this Agreement, but only with the prior written consent of the District. The Consultant shall be as fully responsible to the District for the acts and omissions of his Subcontractors, and of persons either directly or indirectly employed by him/her, as if the acts and omissions were performed by him/her directly.

20. **Continuity of Personnel.** Consultant shall make every reasonable effort to maintain the stability and continuity of Consultant’s staff and subcontractors, if any, assigned to perform the services required under this Agreement.

- a. Consultant shall insure that District has a current list of all personnel and sub-contractors providing services under this Agreement.
- b. Consultant shall notify District of any changes in Consultant’s staff and subcontractors, if any, assigned to perform the services required under this Agreement, prior to and during any such performance. The list notice shall include the following information: (1) all full or part-time staff positions by title, including volunteer positions whose direct services are required to provide the services described herein; (2) a brief description of the functions of each such position and the hours each position works each week or, for part-time positions, each day or month, as appropriate; (3) the professional degree, if applicable, and experience required for each position; and (4) the name of the person responsible for fulfilling the terms of this Agreement.

21. **Indemnification.**

- a. Consultant agrees to defend, indemnify, and hold harmless District, its officers, agents, employees, and/or volunteers from any and all claims, demands, losses, damages and expenses, including legal fees and costs, or other obligations or claims arising out of any liability or damage to property, or any other loss, sustained or claimed to have been sustained arising out of activities of the Consultant or those of any of Consultant’s officers, agents, employees, or subcontractors, whether such act or omission is authorized by this Agreement or not. Consultant shall also pay for any and all damage to the Property of the District, or loss or theft of such Property, done or caused by such persons. District

assumes no responsibility whatsoever for any property placed on district premises. Consultant further agrees to waive all rights of subrogation against the District. The provisions of this Agreement do not apply to any damage or losses caused solely by the negligence of the District or any of its officers, agents, employees, and/or volunteers.

_____ (Initials)

- b. The provisions of this section do not apply to claims occurring as a result of District's sole negligence or willful acts or omissions.

22. **Insurance.** Consultant agrees to obtain and maintain in full force and effect during the term of this Agreement the insurance policies set forth in **Exhibit C** "Insurance" and made a part of this Agreement. All insurance policies shall be subject to approval by District as to form and content. These requirements are subject to amendment or waiver if so approved in writing by the District Superintendent. Consultant agrees to provide District with copies of required policies upon request.

23. **Notices.** All notices required or permitted to be given under this Agreement shall be in writing and shall be personally delivered, or sent by telecopier or certified mail, postage prepaid and return receipt requested, addressed as follows:

To District: Oxnard School District
 1051 South A Street
 Oxnard, California, 93030
 Attention: Dr. Marlene Breitenbach
 Phone: (805) 385.1557
 Fax: (805) 983.7215

To Consultant: Janice Hubbard Lindsay
 99 Cerro Crest Drive
 Camarillo, CA 93010
 Phone: (805) 383.0838
 Fax: ()

Notice shall be deemed effective on the date personally delivered or transmitted by facsimile (provided confirmation of successful facsimile transmission shall be retained) or, if mailed, three (3) days after deposit of the same in the custody of the United States Postal Service.

24. **Excusable Delays.** Consultant shall not be liable for damages, including liquidated damages, if any, caused by delay in performance or failure to perform due to causes beyond the control of Consultant. Such causes include, but are not limited to, acts of God, acts of the public enemy, acts of federal, state or local governments, acts of District, court orders, fires, floods, epidemics, strikes, embargoes, and unusually severe weather. The term and price of this Agreement shall be equitably adjusted for any delays due to such causes.

25. **Authority to Execute.** The person or persons executing this Agreement on behalf of Consultant represents and warrants that he/she/they has/have the authority to so execute this Agreement and to bind Consultant to the performance of its obligations hereunder.

26. **Administration.** **DR. MARLENE BREITENBACH** shall be in charge of administering this Agreement on behalf of the District. The Administrator has completed **Exhibit D** "Conflict of Interest Check" attached hereto.

27. **Binding Effect.** This Agreement shall be binding upon the heirs, executors, administrators, successors and assigns of the parties.
28. **Entire Agreement.** This Agreement and the exhibits and documents incorporated herein constitute the entire agreement and understanding between the parties in connection with the matters covered herein.
29. **Amendment.** No amendment to or modification of this Agreement shall be valid or binding unless made in writing by the Consultant and by the District. The parties agree that this requirement for written modifications cannot be waived and that any attempted waiver shall be void.
30. **Waiver.** Waiver by any party to this Agreement of any term, condition, or covenant of this Agreement shall not constitute a waiver of any other term, condition, or covenant. Waiver by any party of any breach of the provisions of this Agreement shall not constitute a waiver of any other provision or a waiver of any subsequent breach or violation of any provision of this Agreement. Acceptance by District of any work or services by Consultant shall not constitute a waiver of any of the provisions of this Agreement.
31. **Governing Law.** This Agreement shall be interpreted, construed and governed according to the laws of the State of California. In the event of litigation between the parties, venue in state trial courts shall lie exclusively in the County of Ventura, California.
32. **Arbitration.** Any dispute arising out of the performance of this Agreement shall be resolved by binding arbitration in accordance with rules and procedures of the American Arbitration Association.
33. **Severability.** If any term, condition or covenant of this Agreement is declared or determined by any court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions of this Agreement shall not be affected thereby and the Agreement shall be read and construed without the invalid, void or unenforceable provision(s).

[THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, the District and Consultant have executed and delivered this agreement for consultant services as of the date first written above.

OXNARD SCHOOL DISTRICT:

JANICE HUBBARD LINDSAY:

Signature

Signature

Lisa A. Franz, Director, Purchasing

Typed Name/Title

Typed Name/Title

Date

Date

Tax Identification Number: 95-6002318

Tax Identification Number: _____

- Not Project Related
 Project #16-65

EXHIBIT A
TO AGREEMENT FOR CONSULTANT SERVICES #16-65

SERVICES

I. Consultant will perform the following Services under the Captioned Agreement:

Services will include: singing some of her curriculum based songs, grade-level musical concepts (K-5), hands-on playing of musical instruments for the students (recorders, bells, percussion, batons for conducting, kazoo's, etc.), handouts to accompany the lessons, and bringing in various instruments that she plays – recorder, flute, banjo, guitar, etc.

II. As part of the Services, Consultant will prepare and deliver the following tangible work products to the District:

N/A

III. During performance of the Services, Consultant will keep the District apprised of the status of performance by delivering the following status reports under the indicated schedule:

| STATUS REPORT FOR ACTIVITY: | DUE DATE |
|------------------------------------|-----------------|
| A. N/A | |
| B. N/A | |
| C. N/A | |
| D. N/A | |

V. Consultant will utilize the following personnel to accomplish the Services:

- None.
 See attached list.

VI. Consultant will utilize the following subcontractors to accomplish the Services (check one):

- None.
 See attached list.

VII. AMENDMENT

The Scope of Services, including services, work product, and personnel, are subject to change by mutual Agreement. In the absence of mutual Agreement regarding the need to change any aspects of performance, Consultant shall comply with the Scope of Services as indicated above

- Not Project Related
 Project #16-65

EXHIBIT B
TO AGREEMENT FOR CONSULTANT SERVICES #16-65

COMPENSATION

I. Consultant shall use the following rates of pay in the performance of the Services:

***See attached Scope of Services**

II. Consultant may utilize subcontractors as indicated in this Agreement. The hourly rate for any subcontractor is not to exceed \$ N/A per hour without written authorization from the District Superintendent or his designee.

III. The District will compensate Consultant for the Services performed upon submission of a valid invoice. Each invoice is to include:

- A. Line items for all personnel describing the work performed, the number of hours worked, and the Hourly or flat rate.
- B. Line items for all supplies properly charged to the Services.
- C. Line items for all travel properly charged to the Services.
- D. Line items for all equipment properly charged to the Services.
- E. Line items for all materials properly charged to the Services.
- F. Line items for all subcontractor labor, supplies, equipment, materials, and travel properly charged to the Services.

IV. The total compensation for the Services shall not exceed \$11,200.00, as provided in Section 4 of this Agreement.

- Not Project Related
- Project #16-65

EXHIBIT C
TO AGREEMENT FOR CONSULTANT SERVICES #16-65

INSURANCE

I. Insurance Requirements. Consultant shall provide and maintain insurance, acceptable to the District Superintendent or District Counsel, in full force and effect throughout the term of this Agreement, against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by Consultant, its agents, representatives or employees. Insurance is to be placed with insurers authorized to conduct business in the State of California and with a current A.M. Best's rating of no less than A, as rated by the Current edition of Best's Key Rating Guide, published by A.M. Best Company, Oldwick, New Jersey 08858. Consultant shall provide the following scope and limits of insurance:

A. Minimum Scope of Insurance. Coverage shall be at least as broad as:

(1) Commercial General Liability coverage of not less than two million dollars (\$2,000,000) Aggregate and one million dollars (\$1,000,000) per occurrence.

(2) Auto liability insurance with limits of not less than one million dollars (\$1,000,000).

(3) Insurance coverage should include:

1. owned, non-owned and hired vehicles;
2. blanket contractual;
3. broad form property damage;
4. products/completed operations; and
5. personal injury.

(4) Workers' Compensation insurance as required by the laws of the State of California.

~~(5) Abuse and Molestation coverage of not less than two million dollars (\$2,000,000) per occurrence and five million dollars (\$5,000,000) Aggregate.~~

(6) Professional liability (Errors and Omissions) insurance, including contractual liability, as appropriate to the Consultant's profession, in an amount of not less than the following:

| | |
|--|----------------------------|
| Accountants, Attorneys, Education Consultants, Nurses, Therapists | \$1,000,000 |
| Architects | \$1,000,000 or \$2,000,000 |
| Physicians and Medical Corporations | \$5,000,000 |

Failure to maintain professional liability insurance is a material breach of this Agreement and grounds for immediate termination

II. Other Provisions. Insurance policies required by this Agreement shall contain the following provisions:

Not Project Related

Project #16-65

A. All Policies. Each insurance policy required by this Agreement shall be endorsed and state the coverage shall not be suspended, voided, cancelled by the insurer or either party to this Agreement, reduced in coverage or in limits except after 30 days' prior written notice by Certified mail, return receipt requested, has been given to District

B. General Liability, Automobile Liability, and Abuse/Molestation Coverages.

(1) District, and its respective elected and appointed officers, officials, employees and volunteers are to be covered as additional insureds (collectively, "additional insureds") as respects the following: liability arising out of activities Consultant performs; products and completed operations of Consultant; premises owned, occupied or used by Consultant ; automobiles owned, leased, hired or borrowed by Consultant, ~~and Abuse/Molestation.~~ The coverage shall contain no special limitations on the scope of protection afforded to additional insureds.

(2) Each policy shall state that the coverage provided is primary and any insurance carried by any additional insured is in excess to and non-contributory with Consultant's insurance.

(3) Consultant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

(4) Any failure to comply with the reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to any additional insured.

III. Other Requirements. Consultant agrees to deposit with District, at or before the effective date of this contract, certificates of insurance necessary to satisfy District that the insurance provisions of this contract have been complied with. The District may require that Consultant furnish District with copies of original endorsements effecting coverage required by this Section. The certificates and endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. District reserves the right to inspect complete, certified copies of all required insurance policies, at any time.

A. If any Services are performed by subcontractor, Consultant shall furnish certificates and endorsements from each subcontractor identical to those Consultant provides.

B. Any deductibles or self-insured retentions must be declared to and approved by District. At the option of District, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects District or its respective elected or appointed officers, officials, employees and volunteers or the Consultant shall procure a bond guaranteeing payment of losses and related investigations, claim administration, defense expenses and claims.

C. The procuring of any required policy or policies of insurance shall not be construed to limit Consultant's liability hereunder nor to fulfill the indemnification provisions and requirements of this Agreement.

- Not Project Related
- Project #16-65

EXHIBIT D
TO AGREEMENT FOR CONSULTANT SERVICES #16-65

CONFLICT OF INTEREST CHECK

Bylaws of the Board 9270(BB)E requires that the Superintendent or a designee make a determination, on a case by case basis, concerning whether disclosure will be required from a consultant to comply with the District's Conflict of Interest Code (commencing with Bylaws of the Board 9270 BB).

Consultant's are required to file disclosures when, pursuant to a contract with the District, the Consultant will make certain specified government decisions or will perform the same or substantially the same duties for the District as a staff person would.

The services to be performed by Consultant under the Agreement to which this Exhibit D is attached constitute do not constitute governmental decisions or staff services within the meaning of the Conflict of Interest Code. Therefore, the Consultant, **JANICE HUBBARD LINDSAY**, who will provide Services under the Agreement, is is not subject to disclosure obligations.

Date: _____

By: _____
Lisa A. Franz
Director, Purchasing

JANICE LINDSAY - MUSIC SPECIALIST
SCOPE OF MUSIC SERVICES TO BE PROVIDED TO MARSHALL
SCHOOL 2015-2016

Janice Lindsay's services will include: singing some of her curriculum based songs, grade-level musical concepts (K-5), hands-on playing of musical instruments for the students (recorders, bells, percussion, batons for conducting, kazoos, etc.), handouts to accompany the lessons, and bringing in various instruments that she plays - recorder, flute, banjo, guitar, etc.

Additional Teaching Skills Include

Catalog of over 60 curriculum songs for school-age children

GarageBand for iPad

iwritemusic for iPad

Fundamentals of Music (following California and National Standards, also Common Core)

Guitar accompaniment

TBE - program tailored to ability of students. Sing-alongs, rhythm instruments, dancing

Functionally fluent in Spanish

Rate of pay: \$180 per day, (based on average 6 hours at \$30 per hour).

Total cost for **21 days** of instruction (over the course of 21 weeks) = \$3,780*

Total cost for **24 days** of instruction (over the course of 24 weeks) = \$4,320*

Total cost for **30 days** of instruction (over the course of 30 weeks) = \$5,400*

*2 Rehearsals and performance are included

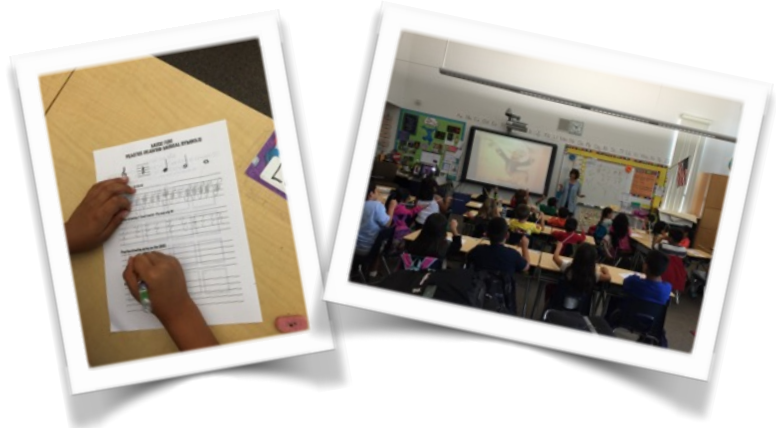
There will be a one-time \$300 annual fee for color copies, ink and supplies.

Contact:

Janice Lindsay

(805) 383-0838 (h), (805) 377-8657

janicelindsay@rocketmail.com



BOARD AGENDA ITEM

Name of Contributor: Lisa Cline

Date of Meeting: 08/03/16

| | |
|-------------------------------|--------------|
| CLOSED SESSION | _____ |
| SECTION B: HEARINGS | _____ |
| SECTION C: CONSENT | <u> X </u> |
| SECTION D: ACTION | _____ |
| SECTION E: REPORTS/DISCUSSION | _____ |
| SECTION F: BOARD POLICIES | _____ |

APPROVAL OF AGREEMENT #16-66 WITH CHILD DEVELOPMENT RESOURCES OF VENTURA COUNTY, INC. (CDR) FOR SUPPLYING BREAKFAST AND LUNCHESES TO HEAD START PRESCHOOL STUDENTS AT SIERRA LINDA SCHOOL (Cline/Curwood)

Oxnard School District is entering into an agreement with Child Development Resources of Ventura County, Inc. for the purpose of supplying breakfast and lunches to the students in the CDR Head Start program at Sierra Linda School during the 2016-17 school year. The term of Agreement #16-66 is for one calendar year commencing on September 1, 2016.

FISCAL IMPACT

None. CDR will reimburse the District for the cost of the meals provided.

RECOMMENDATION

It is the recommendation of the Deputy Superintendent, Business & Fiscal Services, and the Director of Child Nutrition Services that the Board of Trustees approve Agreement #16-66 with Child Development Resources of Ventura County, Inc. for the purpose of supplying breakfast and lunches to their Head Start program at Sierra Linda School for the 2016-17 school year.

ADDITIONAL MATERIAL

Attached: Agreement #16-66 (10 pages)

**STANDARD AGREEMENT FOR FOOD
SERVICE/VENDING
Oxnard School District CN 1544 F**

This Agreement is entered into on this 1st day of September 2016, by and between Child Development Resources of Ventura County, Inc., hereinafter referred to as the "Agency", and Oxnard School District, hereinafter referred to as the "Vendor".

WHEREAS, it is not the capability of the Agency to prepare specified meals under the Child and Adult Care Food Program (CACFP) for enrolled participating children; and

WHEREAS, the facilities and capabilities of the Vendor are adequate to supply specified meals to the Agency's facilities; and

WHEREAS, the Vendor is willing to provide such services to the Agency on a cost reimbursement basis;

THEREFORE, both parties hereto agree as follows:

THE VENDOR AGREES TO:

1. Prepare and supply the meals, on the School District's scheduled days of service, inclusive of necessary straws, utensils and napkins for the CDR Head Start /State Preschool located at Sierra Linda School in Oxnard in accordance with the number of meals requested and at the cost(s) per meal listed below:

| | | | |
|------------------|--------------------|--------|--------------------|
| Breakfast | <u>\$2.25</u> each | Lunch | <u>\$3.33</u> each |
| Supplement/Snack | <u>\$1.05</u> each | Supper | \$ <u>N/A</u> each |

2. Assure that each meal provided to the Agency under this contract meets the minimum nutritional requirements as specified by the CACFP Meal Pattern Schedule B (attached) which is excerpted from the regulations 7 CFR Part 226.20.
3. Maintain full and accurate records that document: (1) the menus listing all meals provided to the Agency during the term of this contract, (2) a listing of all reimbursable nutrition components of each meal, and (3) an itemization of the quantities of each component used to prepare said meal. The Vendor agrees to provide meal preparation documentation by using yield factors for each food item as listed in the USDA Food Buying Guide or the CNFDD Simplified Food Buying Guide (SFBG) when calculating and recording the quantity of food prepared each meal.

4. Maintain such cost records as invoices, receipts and/or other documentation that exhibit the purchase or otherwise availability to the Vendor, of the meal components and quantities itemized in the meal preparation records.
5. Maintain on a daily basis an accurate count of the number of meals, by meal type, prepared for the Agency. Meal count documentation must include the number of meals requested by the Agency.
6. Allow the Agency to increase or decrease the number of meal orders, as needed, when the request is made within two hours of the scheduled delivery time.
7. Provide copy of menu to each vended site with accurately identified meal components for breakfast, lunch and/or meal supplements (snacks).
8. On a monthly basis, present to the Agency an invoice accompanied by reports that itemizes the previous month's delivery. The Vendor agrees to forfeit payment for meals that are not ready within one (1) hour of the agreed upon delivery time, are spoiled or unwholesome at the time of delivery, are short of components, or do not otherwise meet the meal requirements contained in this Agreement.
9. Operate in accordance with current CACFP requirements.
10. Retain all required records for a period of three (3) years after the end of the fiscal year to which they pertain (or longer, if an audit or administrative review in progress); and upon request to make all accounts and records pertaining to the Agreement available to the Certified Public Accountant hired by the Agency, representatives of the California State Department of Education, the U.S. Department of Agriculture, and the U.S. General Accounting Office for audit or administrative review at a reasonable time and place.
11. Not subcontract for the total meal, with or without milk, or for the assembly of the meal.
12. The Vendor agency certifies, that in its operation of a Child and Adult Care Food Program, neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.
13. Where the Vendor is unable to certify to any of the statements in this certification, Vendor shall attach an explanation to this proposal.

Executive Order 12549, Debarment and Suspension, 34 CFR Part 85.510. (Lower Tier)

14. As required by the State Drug-Free Workplace Act of 1990 (Government Code Section 8350 et. Seq.) and the Federal Drug-Free Workplace Act of 1988, and implemented at 34 CFR Part 85, Subpart F, for grantees, as defined at 34 CFR Part 85, Sections 85.605 and 85.610, the recipient agency certifies that it will continue to provide a drug-free workplace.

THE AGENCY AGREES TO:

1. Ensure that an Agency representative is available at each (delivery/pick-up) site, at the specified time on each specified (delivery/pick-up) day to receive, inspect and sign for the requested number of meals. This individual will verify the temperature, quality and quantity of each meal service delivery. The Agency assures the Vendor that this individual will be trained and knowledgeable in the record keeping and meal requirement of CACFP, and in health and sanitation.
2. Provide personnel to serve meals, clean the serving and eating areas, and assemble transport carts and auxiliary items for pick up/delivery.
3. Notify the Vendor within two (2) days of receipt of the next month's proposed menu of any changes, additions, or deletions that will be required in the menu request.
4. Provide the Vendor with a copy of Title 7 CFR Part 226; the CACFP Meal Pattern, Schedule B; the CNFDD Simplified Food Buying Guide, and all other technical assistance materials pertaining to the food service requirements of CACFP. The Agency will, within 24 hours of receipt from CDE/CACFP, advise the Vendor of any changes in the food service requirements of CACFP.
5. Pay the Vendor the full amount as presented on the monthly-itemized invoice on or before 30 days following the date of invoice. The Agency agrees to notify the Vendor within 48 hours of receipt of any discrepancy in the invoice.

TERMS OF THE AGREEMENT

This Agreement will take effect commencing September 1, 2016 and shall be for a period of one calendar year. It may be terminated by notification given by either party hereto the other party at least 30 days prior to the date of termination.

IN WITNESS WHEREOF, THE PARTIES HERETO HAVE EXECUTED THIS AGREEMENT AS OF THE DATES INDICATED BELOW:

Service Provider Official Signature



Agency Official Signature

Official Name (please type)

Don Henniger

Agency Official Name (please type)

Title

Chief Executive Officer

Title

Telephone

(805) 485-7878

Telephone

Date

6-29-16

Date

Meal Pattern for Older Children

Child and Adult Care Food Program meal requirements for children ages one through twelve.

Breakfast

Milk⁵

| Type | Ages 1 to 2 years | Ages 3 to 5 years | Ages 6 to 12 years |
|------------|-------------------|-------------------|--------------------|
| Fluid Milk | 1/2 cup | 3/4 cup | 1 cup |

Vegetables, Fruit

| Type | Ages 1 to 2 years | Ages 3 to 5 years | Ages 6 to 12 years |
|---|-------------------|-------------------|--------------------|
| Vegetable, Fruit, or Full-Strength (100%) Juice | 1/4 cup | 1/2 cup | 1/2 cup |

Grains/Breads (whole grain or enriched)

| Type | Ages 1 to 2 years | Ages 3 to 5 years | Ages 6 to 12 years |
|--|--------------------|--------------------|--------------------|
| Bread | 1/2 slice | 1/2 slice | 1 slice |
| OR Rolls, Muffins, etc. | 1/2 serving | 1/2 serving | 1 serving |
| OR Cold Dry Cereal (volume or weight, whichever is less) | 1/4 cup or 1/3 oz. | 1/3 cup or 1/2 oz. | 3/4 cup or 1 oz. |
| OR Cooked Cereal, Pasta, Noodle Products, or Cereal Grains | 1/4 cup | 1/4 cup | 1/2 cup |

Lunch or Supper

Milk

| Type | Ages 1 to 2 years | Ages 3 to 5 years | Ages 6 to 12 years |
|------------|-------------------|-------------------|--------------------|
| Fluid Milk | 1/2 cup | 3/4 cup | 1 cup |

Vegetables, Fruits

| Type | Ages 1 to 2 years | Ages 3 to 5 years | Ages 6 to 12 years |
|--|-------------------|-------------------|--------------------|
| Vegetable and/or Fruit (two or more kinds) | 1/4 cup total | 1/2 cup total | 3/4 cup total |

Grains/Breads (whole grain or enriched)

| Type | Ages 1 to 2 years | Ages 3 to 5 years | Ages 6 to 12 years |
|--|-------------------|-------------------|--------------------|
| Bread | 1/2 slice | 1/2 slice | 1 slice |
| OR Rolls, Muffins, etc | 1/2 serving | 1/2 serving | 1 serving |
| OR Cooked Cereal, Pasta, Noodle Products, or Cereal Grains | 1/4 cup | 1/4 cup | 1/2 cup |

Meat/Meat Alternatives

| Type | Ages 1 to 2 years | Ages 3 to 5 years | Ages 6 to 12 years |
|---|-------------------|-------------------|--------------------|
| Lean Meat, Fish, or Poultry (edible portion as served) | 1 oz. | 1.5 oz. | 2 oz. |
| OR Cheese (natural or processed) | 1 oz. | 1.5 oz. | 2 oz. |
| OR Cottage Cheese, Cheese Food/Cheese Spread Substitute | 1/4 cup or 2 oz. | 3/8 cup or 3 oz. | 1/2 cup or 4 oz. |
| OR Egg (large) | 1/2 egg | 3/4 egg | 1 egg |
| OR Cooked Dried | 1/4 cup | 3/8 cup | 1/2 cup |

| | | | |
|---|----------------------|----------------------|--------------------|
| Beans or Dried Peas ₁ | | | |
| OR Peanut Butter, Reduced-Fat Peanut Butter, Soy Nut Butter, or Other Nut or Seed Butters | 2 Tbsp. | 3 Tbsp. | 4 Tbsp. |
| OR Peanuts, Soy Nuts, Tree Nuts, Roasted Peas, or Seeds ₂ | 1/2 oz. ² | 3/4 oz. ² | 1 oz. ² |
| OR yogurt (plain or flavored, unsweetened or sweetened) | 1/2 cup | 3/4 cup | 1 cup |
| OR An Equivalent Quantity of Any Combination of the Above Meat/Meat Alternatives | N/A | N/A | N/A |

A.M. or P.M. Supplement

(select 2 of these 4 components)³

Milk

| Type | Ages 1 to 2 years | Ages 3 to 5 years | Ages 6 to 12 years |
|------------|-------------------|-------------------|--------------------|
| Fluid Milk | 1/2 cup | 1/2 cup | 1 cup |

Vegetables, Fruits

| Type | Ages 1 to 2 years | Ages 3 to 5 years | Ages 6 to 12 years |
|---|-------------------|-------------------|--------------------|
| Vegetable, Fruit, or Full-Strength (100%) Juice | 1/2 cup | 1/2 cup | 3/4 cup |

Grains/Breads (whole grain or enriched)

| Type | Ages 1 to 2 years | Ages 3 to 5 years | Ages 6 to 12 years |
|---|--------------------|--------------------|--------------------|
| Bread | 1/2 slice | 1/2 slice | 1 slice |
| OR Rolls, Muffins, etc. | 1/2 serving | 1/2 serving | 1 serving |
| OR Cold Dry Cereal (volume or weight, whichever is less) | 1/4 cup or 1/3 oz. | 1/3 cup or 1/2 oz. | 3/4 cup or 1 oz. |
| OR Cooked Cereal, Pasta, Noodle Products, or Cereal Grains. | 1/4 cup | 1/4 cup | 1/2 cup |

Meat/Meat Alternatives

| Type | Ages 1 to 2 years | Ages 3 to 5 years | Ages 6 to 12 years |
|---|-------------------|-------------------|--------------------|
| Lean Meat, Fish, or Poultry (edible portion as served) | 1/2 oz. | 1/2 oz. | 1 oz. |
| OR Cheese (natural or processed) | 1/2 oz. | 1/2 oz. | 1 oz. |
| OR Cottage Cheese, Cheese Food/Cheese Spread Substitute | 1/8 cup or 1 oz. | 1/8 cup or 1 oz. | 1/4 cup or 2 oz. |
| OR Egg (large) | 1/2 egg | 1/2 egg | 1/2 egg |
| OR Yogurt (plain or flavored, unsweetened or sweetened ⁴) | 1/4 cup | 1/4 cup | 1/2 cup |
| OR Cooked Dried Beans or Dried Peas ¹ | 1/8 cup | 1/8 cup | 1/4 cup |
| OR Peanut Butter, Reduced-Fat Peanut Butter, Soy Nut Butter, or | 1 Tbsp. | 1 Tbsp. | 2 Tbsp. |

| | | | |
|--|--------|---------|-------|
| Other Nut or Seed Butters | | | |
| OR Peanuts, Soy Nuts, Tree Nuts, Roasted Peas, or Seeds | 1/2 oz | 1/2 oz. | 1 oz. |
| OR An Equivalent Quantity of Any Combination of the Above Meat/Meat Alternatives | N/A | N/A | N/A |

¹Dried beans or dried peas may be used as a meat alternate or as a vegetable component; but *cannot* be counted as both components in the same meal.

²No more than 50 percent of the requirement shall be met with nuts or seeds. Nuts or seeds shall be combined with another meat/meat alternate to fulfill the requirement. To determine combinations, 1 oz. of nuts or seeds is equal to 1 oz. of cooked lean meat, poultry, or fish. Roasted peas can count as a meat alternate or vegetable component, but cannot be counted as both in the same meal.

³Juice *cannot* be served when milk is served as the only other component.

⁴Commercially added fruit or nuts in flavored yogurt cannot be used to satisfy the second component requirement in supplements.

⁵Children between 12 and 23 months should be served whole milk. Children two years and older can only be served low fat (1 percent) or nonfat (skim) milk.

Questions: Kelley Knapp | kknapp@cde.ca.gov | 916-445-6774

Last Reviewed: Monday, January 4, 2016



EXHIBIT D

HEAD START PROGRAMS STANDARDS OF CONDUCT

In general, Standards of Conduct reinforce professional behavior and provide guidance when making work related decisions.

All CDR/Head Start and related programs staff, consultants, and volunteers must abide by Head Start Standards of Conduct and agree to:

- Respect and promote the unique identity of each child and family and refrain from stereotyping anyone on the basis of gender, race, ethnicity, culture, religion or disability.
- Follow program confidentiality and record-keeping systems concerning personal, health and other private information about children, families and other staff, consultants and volunteers.
- Always assure that children under your care are supervised at all times.
- Use positive methods of child guidance and not engage in corporal punishment, emotional or physical abuse, or humiliation. Not employ methods of discipline that involve isolation, the use of food as punishment or reward, or the denial of basic needs.
- Provide a comfortable, safe, interactive environment to support a child's healthy, social and emotional development.

Failure to adhere to and abide by the above Head Start Standards of Conduct will result in disciplinary action up to and including termination.

I _____ have read, understand, and agree to abide by the

Print Name

above Head Start Standards of Conduct.

SIGNATURE

DATE

BOARD AGENDA ITEM

Name of Contributor: Dr. Jesus Vaca

Date of Meeting: 8/3/16

STUDY SESSION _____

CLOSED SESSION _____

SECTION B: HEARINGS _____

SECTION C: CONSENT _____

SECTION D: ACTION _____

SECTION E: REPORTS/DISCUSSION _____

SECTION F: BOARD POLICIES

 X

1st Reading _____ 2nd Reading _____

Approval of Agreement #16-68 – California Lutheran University (Vaca)

California Lutheran University (CLU) has established an approved program of special training to provide clinical experience through supervised fieldwork to CLU students enrolled in a services credential program (the "Program"): Pupil Personnel or Administrative Services preliminary credentials. The Program requires supervision and facilities where students from CLU can obtain the clinical learning experience required in the curriculum, and the facility has the clinical setting, supervision, and equipment needed by Program trainees as part of their practical learning experience.

FISCAL IMPACT:

None

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources & Support Services, that the Board of Trustees approve Agreement #16-68 with California Lutheran University.

ADDITIONAL MATERIAL(S):

Attached: Agreement #16-68, California Lutheran University (5 Pages)
Certificate of Insurance (2 Pages)

California Lutheran
UNIVERSITY

FIELDWORK CONTRACT

This Agreement is made between California Lutheran University ("CLU") and Oxnard School District ("Facility").

RECITALS

- A. CLU has established an approved program of special training to provide clinical experience through supervised fieldwork to students enrolled in a services credential program (the "Program"): Pupil Personnel or Administrative Services preliminary credentials.
- B. Program requires supervision and facilities where students can obtain the clinical learning experience required in the curriculum; and
- C. Facility has the clinical setting, supervision, and equipment needed by Program trainees as part of their practical learning experience.

TERMS

In consideration of the mutual promises and conditions in this Agreement and for good and valuable consideration, CLU and Facility agree as follows:

1.0 Obligations of Facility.

1.1 Facility will provide suitable clinical learning experience and supervision consistent with the Program's curriculum and objectives in accordance with CLU's academic calendar. Clinical learning experience shall include supervised fieldwork in schools and classes of the Facility, not to exceed ten (10) semester units of supervised coursework and fieldwork for up to 75 full time individual students during the academic year, and/or up to ten (10) CLU students possessing valid internship credentials and enrolled with CLU for supervised fieldwork in schools or classes of the Facility, and under the direct supervision and instruction of Facility's employees as agreed upon by duly authorized representatives of Facility and CLU.

1.2 Facility will designate appropriate personnel to coordinate the students' clinical learning experience in the Program. This will involve working with CLU faculty and staff to assign students to specific clinical cases and experiences, and include the students in selected conferences, clinics, courses, and programs conducted under the direction of Facility. "Supervised fieldwork" as used in the contract means active participation in the duties and school functions under the direct supervision and instruction of employees of Facility holding valid professional clear credentials, certified and experienced in either teaching the subject(s) of the class or performing the services authorized by the credential in which the supervised fieldwork is

provided. It is understood that in no case shall candidates in learning situations replace regular staff.

1.3 Facility will permit, on reasonable request, the inspection of clinical and related facilities by agencies charged with responsibility for accreditation of CLU's program.

1.4 Facility will recommend to CLU the withdrawal of a Program student if: (1) the achievement, progress, adjustment, or health of the student does not warrant continuation at Facility, or (2) the behavior of the student fails to conform to the applicable regulations of Facility. Facility will assist CLU, if necessary, in implementing this recommendation.

1.5 Facility reserves the right, exercisable in its discretion after consultation with CLU, to exclude any student from its premises in the event that such person's conduct or state of health is deemed objectionable or detrimental, having in mind the proper administration of said Facility.

1.6 Facility shall provide all equipment and supplies needed for clinical instruction at Facility.

1.7 Facility shall arrange for emergency care in case of illness or accident to any participating student.

2.0 Obligations of CLU.

2.1 CLU will provide and maintain the records and reports necessary for conducting the students' clinical learning experience.

2.2 CLU will withdraw a student from the clinical program at Facility if, after consultation with Facility personnel, CLU determines such action to be warranted.

2.3 CLU will prohibit the publication by the students, faculty, and staff members of any material relative to their clinical learning experience that has not been approved for release for publication by both Facility and CLU.

2.4 CLU, through Office of the Dean of the Graduate School of Education, after consultation with Facility, shall plan and oversee the educational program for student clinical experiences.

2.5 CLU will provide Facility with an annual announcement or description of the program, curriculum and objectives to be achieved at Facility, and the academic calendar of CLU.

2.6 CLU will ensure that all candidates have passed subject matter competency, have been fingerprinted and issued a Certificate of Clearance, and have passed all state and university requirements prior to being placed in the classroom.

2.7 Instructors and students at CLU will abide by the rules and policies of Facility while using its facilities.

2.8 Faculty members who teach and supervise field experience have appropriate academic preparation and at least two years of successful experience in the services authorized by the credential.

3.0 Term.

3.1 This agreement will be from August 4, 2016 through June 30, 2019.

4.0 Application of Facility's Rules.

CLU students, during clinical training at Facility, will be under the jurisdiction of Facility officials for training purposes and will follow Facility rules to the extent that such rules directly relate to clinical training. CLU students will be expected to conduct themselves in a professional manner such that their attire and their appearance conform to the accepted standards of Facility.

5.0 Reservation of Rights: Placement.

CLU and Facility each reserve the right to withhold placement of Program students depending upon the availability of facilities and personnel to adequately provide a satisfactory field experience.

6.0 Insurance Hold Harmless.

6.1 CLU agrees to render a certificate of liability insurance to Facility indicating coverage of CLU and its agents, employees, and students for their acts, failure to act, or negligence arising out of or caused by the activity which is the subject of this Agreement.

6.2 Facility agrees that it will indemnify and hold harmless CLU, its servants, agents and employees, and any students acting as such, from any and all liability, damage, expense, causes of action, suits, claims, or judgments arising from injury to person(s) or personal property or otherwise which arises out of the act, failure to act, or negligence of Facility, its servants, agents, or employees, in connection with or arising out of the activity which is the subject of this Agreement.

7.0 Laws, Rules, and Regulations; Non-Discrimination.

7.1 Facility and CLU agree that neither will discriminate against any individual on the basis of age, sex, race, creed, color, sexual orientation, religious belief, national origin, disability, status as a disabled veteran, or veteran of the Vietnam era, and that Facility agrees to comply with all nondiscriminatory laws and policies that CLU promulgates and to which CLU is subject.

7.2 Facility agrees that it will abide by all applicable executive orders, federal, state and local laws, rules and regulations in effect as of the date of this Agreement, and as they may change or be amended from time to time, including, but not limited to, compliance with the Americans with Disabilities Act.

8.0 Remuneration.

8.1 CLU does not provide remuneration for the supervision of services credential fieldwork.

8.2 Facility will not provide remuneration either in the form of pay or in kind to any employees of CLU for any services performed or activity required in connection with matters associated with this Agreement.

9.0 Use of Name; Advertising.

Neither party shall use the other's name or any corporate or business name which is reasonably likely to suggest that the two parties are related, without first obtaining the written consent of the-other-party.

10.0 Termination

Either party may terminate this agreement upon 30 day's written notice to the other party except that if CLU terminates this agreement based on lack of funding, the 30 days' notice shall not apply. The notice required under this clause shall be sent by registered mail.

11.0 Non-Assignment and Subcontracting.

Facility shall not assign, transfer, or contract for the furnishing of services to be performed under this Agreement without the written approval of CLU.

12.0 Entire Agreement; Modification.

This Agreement constitutes the entire understanding between the parties with respect to the subject matter hereof and may be modified only by a writing signed by both parties.

13.0 Governing Law.

This Agreement shall be governed by and construed under the laws of the State of California, which shall be the forum for any lawsuit arising from or incident to this Agreement.

14.0 Consideration.

Under the terms of this Agreement, neither party provides any compensation to the other party for services rendered under this agreement.

15.0 Severability.

In the event one or more clauses of this Agreement are declared illegal, void or unenforceable, that shall not affect the validity of the remaining portions of this Agreement.

16.0 Waiver.

The failure of either party to exercise any of its rights under this Agreement for a breach thereof shall not be deemed to be a waiver of such rights, and no waiver by either party, whether written or oral, express or implied, of any rights under or arising from the Agreement shall be binding on any subsequent occasion; and no concession by either party shall be treated as an implied modification of the Agreement unless specifically agreed in writing.

IN WITNESS WHEREOF, the authorized representatives of the parties have executed this Agreement on this _____ day of _____, 2016.

California Lutheran University:

Facility: Oxnard School District

By: _____
(Signature)

By: _____
(Signature)

Karen Davis
(Printed Name)

Lisa A. Franz
(Printed Name)

V.P. for Administration & Finance
(Title)

Director, Purchasing
(Title)



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
05/24/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| | | | |
|--|----------------|---|-----------------|
| PRODUCER College Risk Retention Group, Inc. 100 Bank Street Suite 610 Burlington, VT 05401 | 1-312-648-0914 | CONTACT NAME: PHONE (A/C, No. Ext): E-MAIL ADDRESS: certificates@eiaa.org | FAX (A/C, No): |
| INSURED California Lutheran University 60 West Olsen Road Thousand Oaks, CA 91360-2787 | | INSURER(S) AFFORDING COVERAGE INSURER A: COLLEGE RRG INC | NAIC # 13613 |
| | | INSURER B: | |
| | | INSURER C: | |
| | | INSURER D: | |
| | | INSURER E: | |
| | | INSURER F: | |

COVERAGES

CERTIFICATE NUMBER: 46925205

REVISION NUMBER:

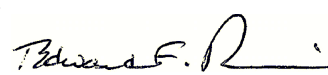
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS |
|----------|--|-----------|----------|---------------|-------------------------|-------------------------|---|
| A | GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC | | | GL090115 | 09/01/15 | 09/01/16 | EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 50,000 MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 3,000,000 PRODUCTS - COMP/OP AGG \$ 3,000,000 |
| | AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS | | | | | | COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ |
| | UMBRELLA LIAB EXCESS LIAB DED RETENTION \$ | | | | | | EACH OCCURRENCE \$ AGGREGATE \$ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | WC STATUTORY LIMITS OTHER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$ |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Evidence of General Liability maintained by the above Insured Institution for: Its activities and operations during the policy term; Obligations of the Insured under a lease or rental agreement; Use of facilities by the insured during the policy term; Students in practicum while participating within the scope of their curriculum requirements and assignments; Contractual Liability; Additional Insured status as required by written contract. If named specifically in the Description of Operations the certificate holder is listed as Additional Insured as required by written contract.

CERTIFICATE HOLDER**CANCELLATION**

| | |
|--|--|
| Oxnard School District Risk Management Department 1051 South A Street Oxnard, CA 93021 USA | SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE  |
|--|--|

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Effective March 25, 2009 128 higher education institutions affiliated with either the United Methodist Church, the Evangelical Lutheran Church in America, the Presbyterian Church (USA) or the American Baptists Churches, organized a new insurance company, College Risk Retention Group, Inc. under the Federal Liability Risk Retention Act of 1986. The Federal Act permits like insureds to combine their resources for the purpose of underwriting and insuring their liability risks.

The enclosed certificate identifies College Risk Retention Group, Inc. as the general liability insurer for primary limits of \$1 Million per occurrence and \$3 Million aggregate. Lexington Insurance Company (A. M. Best Rating AXV) supports College Risk Retention Group, Inc. as the reinsurer. Lexington Insurance Company is also the underwriter for the excess liability coverage over College Risk Retention Group, Inc.

As you may be unfamiliar with evidences of insurance from risk retention groups we welcome any questions you may have regarding the attached certificate of insurance. Should you need any further information regarding the renewal certificate please do not hesitate to contact our administrator's office. Following is the contact information:

Educational & Institutional Insurance Administrators, Inc.
200 S. Wacker Drive, Suite 1000
Chicago, IL 60606
(800) 537-8410
E-mail: certificates@eiia.org

BOARD AGENDA ITEM

NAME OF CONTRIBUTOR: Robin Freeman

DATE OF MEETING: 8/3/16

| | | |
|--------------------------------------|-------------------------------|-------------------|
| STUDY SESSION | _____ | |
| CLOSED SESSION | _____ | |
| SECTION B: HEARINGS | _____ | |
| SECTION C: CONSENT | <u> X </u> | |
| SECTION D: ACTION | _____ | |
| SECTION E: REPORTS/DISCUSSION | _____ | |
| SECTION F: BOARD POLICIES | 1 st Reading _____ | 2nd Reading _____ |

Approval of Agreement #16-69 – City of Oxnard (Freeman/Ridge)

The City of Oxnard/Oxnard Police Department (OPD) will provide a 2-day Loving Solutions Facilitator training on September 6-7, 2016, in the Oxnard School District. OPD will only charge for the cost of materials.

Loving Solutions is part of the Parent Project Inc., curriculum which focuses on changing destructive adolescent behavior. The Loving Solutions Program focuses on parents of elementary school aged children and preventing defiant and destructive adolescent behavior from developing. Loving Solutions is designed to intervene in immediate behavioral problems and help prevent more serious and destructive adolescent behaviors. Loving Solutions was created to address the top 10 parent mistakes that frequently lead to more serious adolescent behaviors.

Training binders will be provided for 30 people at a cost of \$31.36 per binder, for a total amount not to exceed \$950.00.

FISCAL IMPACT:

Total not to exceed \$950.00 – General Fund

RECOMMENDATION:

It is recommended by the Director, Pupil Services, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement #16-69 with the City of Oxnard.

ADDITIONAL MATERIALS:

Attached: #16-69, City of Oxnard (1 Page)
City of Oxnard Self-Insured Letter (1 Page)

**AGREEMENT #16-69 BETWEEN
CITY OF OXNARD/OXNARD POLICE DEPARTMENT AND
OXNARD SCHOOL DISTRICT**

AUGUST 3, 2016

The City of Oxnard/Oxnard Police Department (OPD) will provide a 2-day Loving Solutions Facilitator training on September 6-7, 2016, in the Oxnard School District. OPD will only charge for the cost of materials.

Loving Solutions is part of the Parent Project Inc., curriculum which focuses on changing destructive adolescent behavior. The Loving Solutions Program focuses on parents of elementary school aged children and preventing defiant and destructive adolescent behavior from developing. Loving Solutions is designed to intervene in immediate behavioral problems and help prevent more serious and destructive adolescent behaviors. Loving Solutions was created to address the top 10 parent mistakes that frequently lead to more serious adolescent behaviors.

Training binders will be provided for 30 people at a cost of \$31.36 per binder, for a total amount not to exceed \$950.00.

OXNARD SCHOOL DISTRICT:

**CITY OF OXNARD/OXNARD POLICE
DEPARTMENT:**

Signature

Signature

Lisa A. Franz, Director, Purchasing
Typed Name/Title

Typed Name/Title

Date

Date



April 13, 2016

Oxnard School District
1055 South "C" Street
Oxnard, CA 93030

Re: City of Oxnard / Self-Insured Letter

To Whom It May Concern:

This letter shall serve as written confirmation that the City of Oxnard ("City") is a duly authorized and funded self-insured entity under the laws of the State of California Government Code Sections 989 and 990.

The City is self-insured against workers' compensation claims in accordance with Labor Code section 3700(b).

If you have any additional questions please contact me at (805) 385-7472.

Sincerely,

A handwritten signature in blue ink, appearing to read "Rena Bassett". The signature is stylized and cursive.

Rena Bassett

Financial Analyst / Finance Department

BOARD AGENDA ITEM

Name of Contributor(s): Robin Freeman

Date of Meeting: 8/3/16

| | |
|-------------------------------|---|
| STUDY SESSION | _____ |
| CLOSED SESSION | _____ |
| SECTION B: HEARINGS | _____ |
| SECTION C: CONSENT | <u> X </u> |
| SECTION D: ACTION | _____ |
| SECTION E: REPORTS/DISCUSSION | _____ |
| SECTION F: BOARD POLICIES | 1 st Reading _____ 2 nd Reading _____ |

Approval of Agreement #16-71 – STAR of CA Inc. (Freeman/Ridge)

STAR of CA Inc. will provide professional development workshops and consultation support to paraeducators and teachers working with students with emotional and behavioral challenges. Professional development workshops and consultation support will focus on building paraeducator and teacher capacity for implementing individualized and classroom wide behavioral strategies to help resolve challenging behaviors and teach alternative behaviors that promote student success. Consultant will also provide direct behavioral support to identified students to help stabilize them in their current placement or assist with transitions.

Term of Agreement: August 4, 2016 through June 30, 2017

FISCAL IMPACT:

Not to exceed \$120,000.00 – **50% MAA Funds – 50% Special Ed Funds**

RECOMMENDATION:

It is recommended by the Director, Pupil Services, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement #16-71 between Oxnard School District and STAR of CA Inc.

ADDITIONAL MATERIAL(S):

Attached: Agreement #16-71, STAR of CA Inc. (4 Pages)
Certificate of Insurance (1 Page)

OXNARD SCHOOL DISTRICT

AGREEMENT #16-71 FOR CONSULTANT SERVICES

THIS AGREEMENT, made and entered into this 3rd day of August 2016, by and between the OXNARD SCHOOL DISTRICT, located at 1051 S A St, Oxnard, CA 93030, hereinafter referred to as "District" and STAR of CA, a Professional Psychological Corporation (DBA STAR of CA, and ERA ED), located at 4880 Market St, Ventura CA 93003, and hereinafter referred to as "Provider/Consultant".

WITNESSETH:

WHEREAS, it is the desire of the Governing Board of the Oxnard School District to contract with professionally trained Consultant to provide professional development workshops and consultation support to para-educators and teachers working with students with emotional and behavioral challenges. Professional development workshops and consultation support will focus on building para-educator and teacher capacity for implementing individualized and classroom wide behavioral strategies to help resolve challenging behaviors and teach alternative behaviors that promote student success. ERA ED will also provide direct behavioral support to identified students to help stabilize them in their current placement or assist with transitions. In addition, ERA ED will collect, analyze, summarize, and disseminate behavioral data among district team members; and collaborate with district team members for purposes of coordination of care.

WHEREAS, Provider in consideration of the mutual promises of the parties hereto, the District hereby retains the Provider upon the terms and conditions hereinafter set forth, and the Consultant hereby accepts said retention and agrees to perform the services hereinafter mentioned, solely upon the following terms and conditions.

NOW THEREFORE, in consideration of the above facts and of the covenants and agreement contained herein, the parties hereto agree as follows:

1. TERM OF AGREEMENT: The term of this Agreement shall be for the period commencing August 4, 2016 and terminating June 30, 2017.

2. SERVICES: As directed by the District, Provider shall provide the services that are required by the District, including without implied limitation, the following: provide professional development workshops and consultation support to para-educators and teachers working with students with emotional and behavioral challenges. Professional development workshops and consultation support will focus on building para-educator and teacher capacity for implementing individualized and classroom wide behavioral strategies to help resolve challenging behaviors and teach alternative behaviors that promote student success. ERA ED will also provide direct behavioral support to identified students to help stabilize them in their current placement or assist with transitions. In addition, ERA ED will collect, analyze, summarize, and disseminate behavioral data among district team members; and collaborate with district team members for purposes of coordination of care.

The scope of the services provided shall be pursuant to this Agreement and subject to the approval of the District's designee in the District's sole, absolute and subjective discretion. In performing the services specified by the District as set forth herein above, Provider shall determine the methods, details, and means of providing such approved or agreed services. However, upon request, Consultant shall submit a written summary of Provider's methods, details and means of providing such services.

Provider shall provide services at the direction of the District's designee in this matter who is designated as:

Chris Ridge Director of Pupil Services
(Name) (Title)

And/or,

Amelia Sugden Director of Special Education
(Name) (Title)

LOCATION: Provider shall provide the contracted services at the following location:

Oxnard School District School Sites.

However, it is understood and agreed that the time and place said services shall be rendered may be changed from time to time as determined by the District's designee.

3. COMPENSATION: District shall pay Provider a maximum amount of \$120,000.00 pursuant to this Agreement. Provider shall be compensated at the rate of \$ 51.52 per hour for 1 to 1 behavioral support to students, \$ 101.02 per hour for behavioral consultation and supervision services, \$330.00 for 2 hours workshops, and \$660.00 for 4 hours workshops. The intensity and duration of services will be delivered as directed and determined by District.

Provider shall not be entitled to any other compensation or benefits from District of any kind or type, including, without implied limitation, benefits, insurance, and/or in-kind services.

Provider shall provide a monthly invoice to the District's designee detailing the service type, time spent, and date(s) of service of the services provided for the preceding month and any other billing breakdown as may be required by the District. Consultant shall, when requested by District, invoice individual projects separately by line item showing the type and quantity of time expended on the specific project(s). Consultant shall account for and invoice hours worked pursuant to this Agreement separately from any other agreement between the parties.

Progress payments shall be made by District at monthly intervals within a reasonable time thereafter, but in no event shall it exceed 60 days from receipt of an invoice from Consultant.

Provider shall assume all ordinary expenses incurred in connection with the performance of this Agreement. Such ordinary expenses shall include, without implied limitation, document reproduction expenses, computer and telephone charges. Services and expenses that are above the ordinary and are required shall not be reimbursable unless previously authorized in writing by District's designee and controlled by a Board approved addendum to this Agreement.

4. INDEPENDENT CONTRACTOR: While performing services hereunder, the District and Consultant acknowledge that Provider is an independent contractor and not an officer, agent or employee of the District. Consequently, Provider shall pay all personal State and federal taxes as an independent contractor and acknowledges that, as an independent contractor, Provider is not covered under California workers' compensation, unemployment insurance or other employment-related laws.

Provider shall at all times remain solely responsible for the services to be provided pursuant to this Agreement, regardless of whether Provider should choose to employ any agent(s), employees(s) or other representative(s) to perform any or all such service; provided however, because of Provider's special expertise and potential contact with students, Provider shall not subcontract, assign or otherwise transfer any portion of the services of this Agreement or any interest therein, without the prior written approval of the District's designee and the Superintendent in the District's sole absolute and subjective discretion. Any such attempts to subcontract, assign or otherwise transfer any portion of the services or this Agreement without the prior written approval of the District shall be void and without effect, and shall permit the District to terminate this Agreement immediately with no further payments due to Provider for work subcontracted, transferred or assigned as of the date of termination or the transfer, subcontracting or assignment whichever first occurred. In the event Provider is given written approval for the use of subcontractors, Provider acknowledges that all subcontractors shall comply with Section 6, Criminal Background Checks, of this Agreement. Any failure of Provider's subcontractors to comply with the terms of Section 6 shall subject Provider to liability pursuant to Section 7, Indemnity, of this Agreement.

Any subcontractor(s) allowed shall be at no additional expense to the District, and shall be paid from Provider's own resources and billings. Provider shall pay all wages, salaries, benefits and other amounts due to Provider's subcontractors, and shall be fully responsible for all reports and obligations respecting Provider's subcontractors.

5. INSURANCE: Provider shall, at Provider's expense, procure and maintain for the duration of this Agreement, general liability, workers' compensation and any other insurance required by applicable law or necessary to protect against claims for injuries to persons or damage to property which may arise from or in connection with the performance of this Agreement by Provider and Provider's subcontractors, agents, or representatives. All commercial general liability or comparable policies maintained by Provider will name the District, and such other persons as may be designated by the District as additional insureds, entitling them to recover under such policies for any loss sustained by them, their agents, board members, and employees as a result of the acts or omissions of Provider. Provider must immediately notify District of any reduction or termination in coverage.

A. LIABILITY INSURANCE: The general liability insurance shall have an each occurrence limit of not less than one million dollars (\$1,000,000) or as solely determined by the District by and through the Superintendent or designee.

B. WORKERS' COMPENSATION INSURANCE: The workers' compensation insurance shall insure Provider's obligations and liabilities under the workers' compensation laws of the State of California, including, without implied limitation, employers' liability insurance in the limits required by the laws of California.

6. CRIMINAL BACKGROUND CHECKS: As an independent contractor providing services requested by the District, Provider warrants and represents that, in the performance of this Agreement, neither Provider nor any of Provider's employees, and subcontractors, if approved pursuant to Section 4 of this Agreement, shall have substantial contact with any students. However, in the event that Provider or any of Provider's employees, or subcontractors may have more than limited contact with students as may be determined by the District in its sole, absolute and subjective discretion, Provider and all of Provider's employees, and subcontractors shall comply with all requirements related to fingerprinting as set forth in Education Code section 45125.1, and all District Administrative Regulations relating to the same and Criminal Background Checks, prior to any contact with any students, including without implied limitation, prior to coming onto school grounds.

7. INDEMNITY: The Provider shall defend, with Counsel chosen by District, and shall hold and keep harmless the District and all of its officers, employees, volunteers, attorneys, agents and assigns thereof from all claims, demands, causes of action, costs, expenses, liability, loss, damages or injury, in law or equity that may at any time arise or be set up because of injuries to or death of persons, including wrongful death, or damage to, loss, or theft of property, including District's personnel and property, in any manner arising out of, or in the course of, the performance of this contract or incident to any alleged acts, omissions or willful misconduct of Provider, Providers subcontractors, officers, employees, agents and representatives arising out of or in connection with the performance of services of this Agreement, including without implied limitation, the payment of all consequential damages and attorney's fees and other related costs and expenses. Provider shall defend, with counsel chosen by District, at Provider's own cost, expense and risk, any and all such aforesaid suits, actions or other legal proceedings of every kind that may be brought or instituted against District, its board members, superintendent, employees, volunteers, attorneys, agents and assigns. Provider shall pay and satisfy any judgment, award or decree that may be rendered against District or its board members, superintendent, employees, volunteers, attorneys and agents in any such suit, action or other legal proceeding. Provider shall reimburse District, its board members, superintendent, employees, volunteers, attorneys, agents and assigns for any and all legal expenses and costs incurred by each of them in connection therewith or in enforcing the indemnity herein provided. Provider's obligation to indemnify shall not be restricted to insurance proceeds, if any, received by District, its board members, superintendent, employees, volunteers, attorneys, agents and/or assigns.

8. CONFIDENTIALITY: Provider and all personnel designated by Provider to perform under this Agreement shall maintain the confidentiality of all information received in the course of performing this Agreement. This requirement shall extend beyond the effective termination or expiration date of this Agreement. All materials and data prepared by Provider under this Agreement shall become the property of the District during and upon completion of the terms of this Agreement. All materials and data must be submitted to the District within 10 days of demand by the District.

9. CONFLICTS: Provider shall not engage in any activity that conflicts with, or has the appearance of conflicting with, the District. Provider agrees to abide by the District's Conflict of Interest Policy. Notwithstanding any other provision contained herein, the District shall, in the District's sole and complete discretion, have the right to immediately terminate this Agreement in the event it is determined by the Superintendent that a real or apparent conflict of interest exists that cannot be resolved.

10. TERMINATION: Except as otherwise provided in this Agreement, this Agreement may be terminated for any reason by giving 30 days' written notice to the other party.

11. LICENSING: Provider shall, during the term of this Agreement, obtain and maintain all licenses, certificates, permits and approvals of whatever nature that are legally required to provide the services required pursuant to this Agreement.

12. COMPLIANCE WITH LAWS: Provider shall keep fully informed of and in compliance with all local, state and federal laws, rules and regulations in any manner affecting the provision of services. In the event Provider performs any work contrary to such laws, rules and regulations, Provider shall be solely responsible for all costs arising there from.

13. GOVERNING LAW/VENUE: This Agreement shall be governed by the laws of the State of California, Ventura County. This Agreement shall not be governed by the Uniform Commercial Code. To the extent that there is to be delivery or performance of services under this Agreement, such services will not be deemed “goods” within the meaning of the Uniform Commercial Code. In the event of litigation, both parties agree that the appropriate venue shall be in the Superior Courts of the County of Ventura.

14. ASSIGNMENT: Provider agrees not to assign this contract or any interests therein without the approval in writing of the District. Any such attempt to assign or sublet this Agreement without District approval shall be invalid.

15. SEVERABILITY: If any one or more of the provisions of this Agreement are hereafter declared void or unenforceable by judicial, legislative or administrative authority of competent jurisdiction, then the parties hereto agree that the invalidity or unenforceability of any of the provisions shall not in any way affect the validity or enforceability of any other provisions of this Agreement.

16. WAIVER: No waiver of any default shall constitute a waiver of any other default or breach, whether of the same or other covenant or condition. No waiver, benefit, privilege, or service voluntarily given or performed by a party shall give the other party any contractual rights by custom, estoppel, or otherwise.

17. ARBITRATION: Any claims or controversy arising out of or related to this Agreement, or the breach thereof, shall first attempt to be settled by non-binding mediation utilizing a mutually agreed mediator. Should a claim or controversy not be resolved via mediation either party may file an action in a court of competent jurisdiction as provided in Section 13 of this Agreement. Both parties hereto agree to waive any claims for consequential damages pertaining to this agreement.

18. INCORPORATION OF EXHIBITS: All exhibits attached and referred to in this Agreement are incorporated as though fully set forth in this Agreement.

19. ENTIRE AGREEMENT: It is understood and agreed that this Agreement sets forth the entire understanding of the parties regarding the subject matter thereof and no modification or amendment to this Agreement shall be binding unless said modification or amendment is in writing and duly executed with the same formality as this Agreement itself.

IN WITNESS THEREOF, the parties hereto have set their hands on the date and in the month and year written below.

**OXNARD SCHOOL DISTRICT
OF VENTURA COUNTY**

Lisa A. Franz, Director, Purchasing

Date

STAR OF CA/ERA ED, VENTURA CA

Provider/Consultant Authorized Representative

Date



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
06/06/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

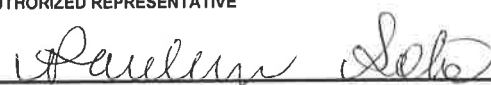
| PRODUCER Jones & Maulding Insurance P.O. Box 1312 Oxnard CA 93032 | CONTACT NAME: PHONE (A/C, No., Ext): (805) 486-4701 E-MAIL ADDRESS: ellen@jandminsurance.com FAX (A/C, No.): (805) 486-2087 | | | | | | | | | | | | | |
|--|---|-------------------------------|--------|---|--|--|--|---|--|------------|--|------------|--|------------|
| | <table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A: Philadelphia Indemnity Insurance Company</td> <td></td> </tr> <tr> <td>INSURER B: ICW Group Insurance Companies</td> <td></td> </tr> <tr> <td>INSURER C: Arch Specialty Insurance Company</td> <td></td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </tbody> </table> | INSURER(S) AFFORDING COVERAGE | NAIC # | INSURER A: Philadelphia Indemnity Insurance Company | | INSURER B: ICW Group Insurance Companies | | INSURER C: Arch Specialty Insurance Company | | INSURER D: | | INSURER E: | | INSURER F: |
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| INSURER E: | | | | | | | | | | | | | | |
| INSURER F: | | | | | | | | | | | | | | |
| INSURED STAR of California, Inc. 4880 Market Street Ventura CA 93003 | | | | | | | | | | | | | | |

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS |
|----------|---|---------------------------------|----------|----------------|-------------------------|-------------------------|---|
| A | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER: | | | PHPK1506179 | 06/07/2016 | 06/07/2017 | EACH OCCURRENCE \$ 2,000,000 |
| | | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 |
| A | AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS | | | PHPK1506179 | 06/07/2016 | 06/07/2017 | COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 |
| | | | | | | | BODILY INJURY (Per person) \$ |
| | | | | | | | BODILY INJURY (Per accident) \$ |
| | | | | | | | PROPERTY DAMAGE (Per accident) \$ |
| | | | | | | | \$ |
| | <input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$ | | | | | | EACH OCCURRENCE \$ |
| | | | | | | | AGGREGATE \$ |
| | | | | | | | \$ |
| B | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | Y/N <input type="checkbox"/> | N/A | WPL-5027187-01 | 07/31/2015 | 07/31/2016 | <input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER |
| | | | | | | | E.L. EACH ACCIDENT \$ 1,000,000 |
| | | | | | | | E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 |
| C | Sexual/Physical Abuse or Molestation Professional Liability | | | FLP0057397-01 | 09/01/2015 | 09/01/2016 | \$3,000,000 Occurrence |
| | | | | | | | \$6,000,000 Aggregate |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

| | |
|--|--|
| CERTIFICATE HOLDER Oxnard School District Pupil Services 1051 South A Street Oxnard, CA 93030 | CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE  |
|--|--|

BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 8/3/16

| | |
|--------------------------------------|---|
| STUDY SESSION | _____ |
| CLOSED SESSION | _____ |
| SECTION B: HEARINGS | _____ |
| SECTION C: CONSENT | <u> X </u> |
| SECTION D: ACTION | _____ |
| SECTION E: REPORTS/DISCUSSION | _____ |
| SECTION F: BOARD POLICIES | 1 st Reading _____ 2 nd Reading _____ |

Approval of Agreement/MOU #16-72 – Every Monday Matters Inc. (Freeman/Thomas)

Every Monday Matters Inc. (EMM) will provide a curriculum for after school program students focused around “I Matter, “You Matter”, and “We Matter”. The activities and lessons are designed to show students that they matter and are important contributors to the community around them. The students will engage in reflective activities and service learning projects as they explore the importance of the fact that they are important and matter.

FISCAL IMPACT:

Not to exceed \$9,100.00 – After School Education and Safety Grant

RECOMMENDATION:

It is the recommendation of the Director, Curriculum, Instruction & Accountability, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement/MOU #16-72 with Every Monday Matters Inc.

ADDITIONAL MATERIALS:

Attached: Agreement/MOU #16-72, Every Monday Matters Inc. (1 Page)
Proposal (1 Page)

**AGREEMENT/MEMORANDUM OF UNDERSTANDING #16-72 BETWEEN
EVERY MONDAY MATTERS, INC. AND OXNARD SCHOOL DISTRICT
FOR PROFESSIONAL LEARNING**

The scope of this document is to define the roles and responsibilities of Every Monday Matters, Inc. (EMM) in training the after school staff and program manager for the After School Programs of the Oxnard School District, hereafter called “**the District.**” The purpose is for EMM to provide a keynote address, professional development, curriculum and materials for the After School Program.

This serves as a Memorandum of Understanding and Responsibility Agreement that “**the District**” and EMM will work together toward promoting a quality after school program. Each agency, according to its defined role, agrees to participate in coordinating, providing and financing the following services for the purpose of this agreement.

1. **Every Monday Matters, Inc. agrees to provide the following:**
 - a. A keynote address for our fall kick off training in August.
 - b. Four Training Sessions (2-3 hours each) – Target Dates – August, October, January, March
 - c. Free online lessons for site staff to utilize in implementing the EMM curriculum.

2. **The District agrees to:**
 - a. Pay Every Monday Matters, Inc. \$8,500.00 for keynote and professional development
 - b. Pay Every Monday Matters, Inc. \$600.00 for materials.
 - c. Provide site for training.
 - d. Provide presentation equipment as requested (LCD projector, document camera, laptop and/or interactive white board)

This Memorandum of Understanding and Responsibility Agreement shall be effective upon signature and implemented August 4, 2016 - June 30, 2017.

FOR OXNARD SCHOOL DISTRICT:

Lisa A. Franz, Director, Purchasing

Date

FOR EVERY MONDAY MATTERS, INC.

Matthew Emerzian

Date



Oxnard School District & Every Monday Matters

Oxnard School District (OSD) and Every Monday Matters (EMM) are joining forces to achieve our mutual missions to help students understand how much and why they matter.

EMM is truly honored to be asked to be a part of OSD 2016-2017 academic year.

OSD interests in partnering with EMM include the following:

- 1) Inspire educators and kick off the You Matter™ program's implementation on a strong foundation through a keynote delivered by Matthew Emerzian
- 2) Provide basic and advanced You Matter™ program training for selected recreation leaders (EMMbassadors)
- 3) Achieve program implementation objectives through on-going feedback, training and support

Keynote – Target Date – August 15, 2016:

The objectives for those participating:

- ▼ Connect with Matthew Emerzian's challenging journey which led to his personal mission and formation of EMM
- ▼ Discover or re-discover what it means to "Matter" through hands-on activities built on the framework of I Matter, You Matter, and We Matter
- ▼ Feel inspired to matter by taking positive action in all aspects of life

Four Training Sessions (2-3 hours each) – Target Dates – August, October, January, March:

The objectives for those participating in the training sessions are:

- ▼ Achieve a clear understanding of the main tenants of EMM and its You Matter™ curriculum by fully participating in moving and insightful experiences and discussions that allow participants to apply these tenants to themselves and their students
- ▼ Demonstrate the skills necessary to effectively execute and evaluate a typical You Matter™ activity
- ▼ Create high-quality service learning opportunities for students leveraging EMM curriculum and local resources
- ▼ Understand what additional requirements are necessary for completing the 2016-2017 You Matter™ program's evaluation process

Keynote and Four Training Sessions: \$8,500 fixed fee (includes travel)

Materials - 40 Starter Kits* @ \$15 per kit: \$600.00

*Starter Kit includes: 100 You Matter recognition slips, 50 wristbands, 20 postcards, 10 pins, 1 pen, 1 folder, handouts

Vendor Information:

Every Monday Matters, Inc.
321 Pass Avenue, Suite 152
Burbank, CA 91505
310-961-4044
EIN: 27-3684543

BOARD AGENDA ITEM

NAME OF CONTRIBUTOR: Robin Freeman

DATE OF MEETING: 8/3/16

| | |
|--------------------------------------|---|
| STUDY SESSION | _____ |
| CLOSED SESSION | _____ |
| SECTION B: HEARINGS | _____ |
| SECTION C: CONSENT | <u> X </u> |
| SECTION D: ACTION | _____ |
| SECTION E: REPORTS/DISCUSSION | _____ |
| SECTION F: BOARD POLICIES | 1 st Reading _____ 2nd Reading _____ |

Approval of Agreement #16-75 – JLJ Consulting (Freeman/Sugden)

JLJ Consulting will assist the Oxnard School District Special Education Department, and work collaboratively with the leadership team to develop and implement professional development for assessment team members, including school psychologists, special education teachers, speech/language pathologists, and administrators. Consultant will also work collaboratively with the leadership team in the creation and implementation of processes/procedures to assist in improving best practices. Consultant will also provide in-person and remote consultations, as needed, for school psychologists and other assessment team members, and conduct psycho-educational assessments on an as needed basis.

FISCAL IMPACT:

Total not to exceed \$75,000.00 (\$100.00 per hour) – Special Education Funds

RECOMMENDATION:

It is recommended by the Director, Curriculum, Instruction & Accountability, and the Assistant Superintendent, Educational Services, that the Board of Trustees approve Agreement #16-75 with JLJ Consulting.

ADDITIONAL MATERIALS:

Attached: #16-75, JLJ Consulting (13 Pages)
Proposal (1 Page)

OXNARD SCHOOL DISTRICT

Agreement #16-75

AGREEMENT FOR CONSULTANT SERVICES

This Agreement for Consultant Services (“Agreement”) is entered into as of this 3rd day of August, 2016 by and between the Oxnard School District (“District”) and JLJ Consulting (“Consultant”). District and Consultant are sometimes hereinafter individually referred to as “Party” and hereinafter collectively referred to as the “Parties.”

RECITALS

- A. District is authorized by *California Government Code* Section 53060, and Board Policy 4368, to contract with independent contractors for the furnishing of services concerning financial, economic, accounting, engineering, legal, administrative and other matters. District has sought, by issuance of a Request for Proposals or Invitation for Bids, the performance of the Services, as defined and described particularly on **Exhibit A**, attached to this Agreement.
- B. Following submission of a proposal or bid for the performance of the Services, Consultant was selected by the District to perform the Services.
- C. The Parties desire to formalize the selection of Consultant for performance of the Services and desire that the terms of that performance be as particularly defined and described herein.

OPERATIVE PROVISIONS

NOW, THEREFORE, in consideration of the mutual promises and covenants made by the Parties and contained here and other consideration, the value and adequacy of which are hereby acknowledged, the parties agree as follows:

- Incorporation of Recitals and Exhibits.** The Recitals set forth above and all exhibits attached to this Agreement, as hereafter amended, are incorporated by this reference as if fully set forth herein.
- Term of Agreement.** Subject to earlier termination as provided below, this Agreement shall remain in effect from **August 4, 2016** through **June 30, 2017** (the “Term”). This Agreement may be extended only by amendment, signed by the Parties, prior to the expiration of the Term.
- Time for Performance.** The scope of services set forth in **Exhibit A** shall be completed during the Term pursuant to the schedule specified **Exhibit A**. Should the scope of services not be completed pursuant to that schedule, the Consultant shall be deemed to be in Default as provided below. The District, in its sole discretion, may choose not to enforce the Default provisions of this Agreement and may instead allow Consultant to continue performing the Services.
- Compensation and Method of Payment.** Subject to any limitations set forth below or elsewhere in this Agreement, District agrees to pay Consultant the amounts specified in **Exhibit B** “Compensation”. The total compensation, including reimbursement for actual expenses, shall not exceed Seventy-Five Thousand Dollars (\$75,000.00), unless additional compensation is approved in writing by the District.

- a. Each month Consultant shall furnish to District an original invoice for all work performed and expenses incurred during the preceding month. The invoice shall detail charges by the following categories: labor (by sub-category), travel, materials, equipment, supplies, and sub-consultant contracts. Sub-consultant charges, if any, shall be detailed by the following categories: labor, travel, materials, equipment and supplies. District shall independently review each invoice submitted by the Consultant to determine whether the work performed and expenses incurred are in compliance with the provisions of this Agreement. In the event that no charges or expenses are disputed, the invoice shall be approved and paid according to the terms set forth in subsection b. In the event any charges or expenses are disputed by District, the original invoice shall be returned by District to Consultant for correction and resubmission.
- b. Except as to any charges for work performed or expenses incurred by Consultant which are disputed by District, District will use its best efforts to cause Consultant to be paid within forty-five (45) days of receipt of Consultant's correct and undisputed invoice.
- c. Payment to Consultant for work performed pursuant to this Agreement shall not be deemed to waive any defects in work performed by Consultant.

5. **Termination.** This Agreement may be terminated at any time by mutual agreement of the Parties or by either Party as follows:

- a. District may terminate this Agreement, with or without cause, at any time by giving thirty (30) days written notice of termination to Consultant. In the event such notice is given, Consultant shall cease immediately all work in progress; or
- b. Consultant may terminate this Agreement for cause at any time upon thirty (30) days written notice of termination to District.

6. **Inspection and Final Acceptance.** District may, at its discretion, inspect and accept or reject any of Consultant's work under this Agreement, either during performance or when within sixty (60) days after submitted to District. If District does not reject work by a timely written explanation, Consultant's work shall be deemed to have been accepted. District's acceptance shall be conclusive as to such work except with respect to latent defects, fraud and such gross mistakes as amount to fraud. Acceptance of any of Consultant's work by District shall not constitute a waiver of any of the provisions of this Agreement including, but not limited to indemnification and insurance provisions.

7. **Default.** Failure of Consultant to perform any Services or comply with any provisions of this Agreement may constitute a default. The District may give notice to Consultant of the default and the reasons for the default. District shall not have any obligation or duty to continue compensating Consultant for any work performed after the date of the notice until the default is cured. The notice shall include the timeframe in which Consultant may cure the default. This timeframe is presumptively thirty (30) days, but may be extended, though not reduced, at the discretion of the District. During the period of time that Consultant is in default, the District shall hold all invoices and shall, when the default is cured, proceed with payment on the invoices. In the alternative, the District may, in its sole discretion, elect to pay some or all of the outstanding invoices during the period of default. If Consultant does not cure the default, the District may terminate this Agreement as provided above. Any failure on the part of the District to give notice of the Consultant's default shall not be deemed to result in a waiver of the District's legal rights or any rights arising out of any provision of this Agreement.

8. **Ownership of Documents.** All maps, models, designs, drawings, photographs, studies, surveys, reports, data, notes, computer files, files and other documents prepared, developed or discovered by Consultant in the course of providing any services pursuant to this Agreement (collectively and individually, the "Documents") shall

become the sole property of District and may be used, reused or otherwise disposed of by District without the permission of the Consultant. Upon completion, expiration or termination of this Agreement, Consultant shall turn over to District all such Documents.

9. **Use of Documents by District.** If and to the extent that District utilizes for any purpose not related to this Agreement any Documents, Consultant's guarantees and warrants related to Standard of Performance under this Agreement shall not extend to such use of the Documents.

10. **Consultant's Books and Records.** Consultant shall maintain any and all documents and records demonstrating or relating to Consultant's performance of services pursuant to this Agreement for a minimum of three years after termination or expiration of this Agreement, or longer if required by law.

- a. Consultant shall maintain any and all ledgers, books of account, invoices, vouchers, canceled checks, or other documents or records evidencing or relating to work, services, expenditures and disbursements charged to District pursuant to this Agreement for a minimum of three years, or longer if required by law, all in accordance with generally accepted accounting principles and with sufficient detail so as to permit an accurate evaluation of the services provided by Consultant pursuant to this Agreement.
- b. Any and all such records or documents shall be made available for inspection, audit and copying, at any time during regular business hours, upon request by District or its designated representative. Copies of such documents or records shall be provided directly to the District for inspection, audit and copying when it is practical to do so; otherwise, unless an alternative is mutually agreed upon, such documents and records shall be made available at Consultant's address indicated for receipt of notices in this Agreement.
- c. District has the right to acquire custody of such records by written request if Consultant decides to dissolve or terminate its business. Consultant shall deliver or cause to be delivered all such records and documents to District within sixty (60) days of receipt of the request.

11. **Independent Contractor.** Consultant is and shall at all times remain a wholly independent contractor and not an officer, employee or agent of District.

- a. The personnel performing the services under this Agreement on behalf of Consultant shall at all times be under Consultant's exclusive direction and control. Consultant, its agents or employees shall not at any time or in any manner represent that Consultant or any of Consultant's officers, employees, or agents are in any manner officials, officers, employees or agents of District. Neither Consultant, nor any of Consultant's officers, employees or agents, shall, by virtue of services rendered under this Agreement, obtain any rights to retirement, health care or any other benefits which may otherwise accrue to District's employees. Consultant will be responsible for payment of all Consultant's employees' wages, payroll taxes, employee benefits and any amounts due for federal and state income taxes and Social Security taxes since these taxes will not be withheld from payment under this agreement.
- b. Consultant shall have no authority to bind District in any manner, or to incur any obligation, debt or liability of any kind on behalf of or against District, whether by contract or otherwise, unless such authority is expressly conferred in writing by District, or under this Agreement.

12. **Standard of Performance.** Consultant represents and warrants that it has the qualifications, experience and facilities necessary to properly perform the services required under this Agreement in a thorough, competent and professional manner. Consultant shall at all times faithfully, competently and to the best of its ability, experience and talent, perform all services described herein. In meeting its obligations under this Agreement,

Consultant shall employ, at a minimum, generally accepted standards and practices utilized by persons engaged in providing services similar to those required of Consultant under this Agreement.

13. **Confidential Information.** All information gained during performance of the Services and all Documents or other work product produced by Consultant in performance of this Agreement shall be considered confidential. Consultant shall not release or disclose any such information, Documents or work product to persons or entities other than District without prior written authorization from the Superintendent of the District, except as may be required by law.

- a. Consultant shall promptly notify District if it is served with any summons, complaint, subpoena or other discovery request, court order or other request from any party regarding this Agreement or the work performed hereunder.
- b. District retains the right, but has no obligation, to represent Consultant or be present at any deposition, hearing or similar proceeding. Consultant agrees to cooperate fully with District and to provide District with the opportunity to review any response to discovery requests provided by Consultant; provided that this does not imply or mean the right by District to control, direct, or rewrite said response.

14. **Conflict of Interest; Disclosure of Interest.** Consultant covenants that neither it, nor any officer or principal of its firm, has or shall acquire any interest, directly or indirectly, which would conflict in any manner with the interests of District or which would in any way hinder Consultant's performance of services under this Agreement. Consultant further covenants that in the performance of this Agreement, no person having any such interest shall be employed by it as an officer, employee, agent or subcontractor without the express written consent of the District.

- a. Consultant agrees to at all times avoid conflicts of interest or the appearance of any conflicts of interest with the interests of District in the performance of this Agreement.
- b. Bylaws of the Board 9270 BB and 9270(BB) E, as hereinafter amended or renumbered, require that a Consultant that qualifies as a "designated employee" must disclose certain financial interests by filing financial interest disclosures. By its initials below, Consultant represents that it has received and reviewed a copy of the Bylaws of the Board 9270 BB and 9270(BB) E and that it [____] does [X] does not qualify as a "designated employee".

_____ (Initials)

- c. Consultant agrees to notify the Superintendent, in writing, if Consultant believes that it is a "designate employee" and should be filing financial interest disclosures, but has not been required to do so by the District.

_____ (Initials)

15. **Compliance with Applicable Laws.** In connection with the Services and its operations, Consultant shall keep itself informed of and comply with all applicable federal, state and local laws, statutes, codes, ordinances, regulations and rules including, but not limited to, minimum wages and/or prohibitions against discrimination, in effect during the Term. Consultant shall obtain any and all licenses, permits and authorizations necessary to perform the Services. Neither District, nor any elected or appointed boards, officers, officials, employees or agents of District shall be liable, at law or in equity, as a result of any failure of Consultant to comply with this section.

- a. Without limiting the generality of the foregoing, Consultant shall comply with any applicable fingerprinting requirements as set forth in the Education Code of the State of California.

_____ (Initials)

16. **Unauthorized Aliens.** Consultant hereby promises and agrees to comply with all of the provisions of the Federal Immigration and Nationality Act, 8 U.S.C.A. §§ 1101, et seq., as amended, and in connection therewith, shall not employ “unauthorized aliens” as that term is defined in 8 U.S.C.A. §1324a(h)(3). Should Consultant so employ such individuals for the performance of work and/or services covered by this Agreement, and should any liability or sanctions be imposed against District for such employment, Consultant hereby agrees to and shall reimburse District for the cost of all such liabilities or sanctions imposed, together with any and all costs, including attorneys' fees, incurred by District.

17. **Non-Discrimination.** Consultant shall abide by the applicable provisions of the United States Civil Rights Act of 1964 and other provisions of law prohibiting discrimination and shall not discriminate, in any way, against any person on the basis of race, color, religious creed, national origin, ancestry, sex, age, physical handicap, medical condition or marital status in connection with or related to the performance of this Agreement.

18. **Assignment.** The expertise and experience of Consultant are material considerations for this Agreement. District has an interest in the qualifications of and capability of the persons and entities that will fulfill the duties and obligations imposed upon Consultant under this Agreement. In recognition of that interest, Consultant shall not assign or transfer this Agreement or any portion of this Agreement or the performance of any of Consultant’s duties or obligations under this Agreement without the prior written consent of the Board of Directors of the District. Any attempted assignment shall be ineffective, null and void, and shall constitute a material breach of this Agreement entitling District to any and all remedies at law or in equity, including summary termination of this Agreement.

19. **Subcontracting.** Notwithstanding the above, Consultant may utilize subcontractors in the performance of its duties pursuant to this Agreement, but only with the prior written consent of the District. The Consultant shall be as fully responsible to the District for the acts and omissions of his Subcontractors, and of persons either directly or indirectly employed by him/her, as if the acts and omissions were performed by him/her directly.

20. **Continuity of Personnel.** Consultant shall make every reasonable effort to maintain the stability and continuity of Consultant’s staff and subcontractors, if any, assigned to perform the services required under this Agreement.

- a. Consultant shall insure that District has a current list of all personnel and sub-contractors providing services under this Agreement.
- b. Consultant shall notify District of any changes in Consultant’s staff and subcontractors, if any, assigned to perform the services required under this Agreement, prior to and during any such performance. The list notice shall include the following information: (1) all full or part-time staff positions by title, including volunteer positions whose direct services are required to provide the services described herein; (2) a brief description of the functions of each such position and the hours each position works each week or, for part-time positions, each day or month, as appropriate; (3) the professional degree, if applicable, and experience required for each position; and (4) the name of the person responsible for fulfilling the terms of this Agreement.

21. **Indemnification.**

- a. Consultant agrees to defend, indemnify, and hold harmless District, its officers, agents, employees, and/or volunteers from any and all claims, demands, losses, damages and expenses, including legal fees and costs, or other obligations or claims arising out of any liability or damage to property, or any other loss, sustained or claimed to have been sustained arising out of activities of the Consultant or those of any of Consultant’s officers, agents, employees, or subcontractors, whether such act or omission is authorized by this Agreement or not. Consultant shall also pay for any and all damage to the Property of the District, or loss or theft of such Property, done or caused by such persons. District

assumes no responsibility whatsoever for any property placed on district premises. Consultant further agrees to waive all rights of subrogation against the District. The provisions of this Agreement do not apply to any damage or losses caused solely by the negligence of the District or any of its officers, agents, employees, and/or volunteers.

_____ (Initials)

- b. The provisions of this section do not apply to claims occurring as a result of District's sole negligence or willful acts or omissions.

22. **Insurance.** Consultant agrees to obtain and maintain in full force and effect during the term of this Agreement the insurance policies set forth in **Exhibit C** "Insurance" and made a part of this Agreement. All insurance policies shall be subject to approval by District as to form and content. These requirements are subject to amendment or waiver if so approved in writing by the District Superintendent. Consultant agrees to provide District with copies of required policies upon request.

23. **Notices.** All notices required or permitted to be given under this Agreement shall be in writing and shall be personally delivered, or sent by telecopier or certified mail, postage prepaid and return receipt requested, addressed as follows:

To District: Oxnard School District
 1051 South A Street
 Oxnard, California, 93030
 Attention: Amelia Sugden
 Phone: 805.385.1501 x2175
 Fax: 805.487.9648

To Consultant: JLJ Consulting
 PO Box 5643
 Chatsworth, CA 91313
 Attention: Jenny L. Ponzuric
 Phone: (818) 481.6089
 Fax:

Notice shall be deemed effective on the date personally delivered or transmitted by facsimile (provided confirmation of successful facsimile transmission shall be retained) or, if mailed, three (3) days after deposit of the same in the custody of the United States Postal Service.

24. **Excusable Delays.** Consultant shall not be liable for damages, including liquidated damages, if any, caused by delay in performance or failure to perform due to causes beyond the control of Consultant. Such causes include, but are not limited to, acts of God, acts of the public enemy, acts of federal, state or local governments, acts of District, court orders, fires, floods, epidemics, strikes, embargoes, and unusually severe weather. The term and price of this Agreement shall be equitably adjusted for any delays due to such causes.

25. **Authority to Execute.** The person or persons executing this Agreement on behalf of Consultant represents and warrants that he/she/they has/have the authority to so execute this Agreement and to bind Consultant to the performance of its obligations hereunder.

26. **Administration.** AMELIA SUGDEN shall be in charge of administering this Agreement on behalf of the District. The Administrator has completed **Exhibit D** "Conflict of Interest Check" attached hereto.

27. **Binding Effect.** This Agreement shall be binding upon the heirs, executors, administrators, successors and assigns of the parties.
28. **Entire Agreement.** This Agreement and the exhibits and documents incorporated herein constitute the entire agreement and understanding between the parties in connection with the matters covered herein.
29. **Amendment.** No amendment to or modification of this Agreement shall be valid or binding unless made in writing by the Consultant and by the District. The parties agree that this requirement for written modifications cannot be waived and that any attempted waiver shall be void.
30. **Waiver.** Waiver by any party to this Agreement of any term, condition, or covenant of this Agreement shall not constitute a waiver of any other term, condition, or covenant. Waiver by any party of any breach of the provisions of this Agreement shall not constitute a waiver of any other provision or a waiver of any subsequent breach or violation of any provision of this Agreement. Acceptance by District of any work or services by Consultant shall not constitute a waiver of any of the provisions of this Agreement.
31. **Governing Law.** This Agreement shall be interpreted, construed and governed according to the laws of the State of California. In the event of litigation between the parties, venue in state trial courts shall lie exclusively in the County of Ventura, California.
32. **Arbitration.** Any dispute arising out of the performance of this Agreement shall be resolved by binding arbitration in accordance with rules and procedures of the American Arbitration Association.
33. **Severability.** If any term, condition or covenant of this Agreement is declared or determined by any court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions of this Agreement shall not be affected thereby and the Agreement shall be read and construed without the invalid, void or unenforceable provision(s).

[THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, the District and Consultant have executed and delivered this agreement for consultant services as of the date first written above.

OXNARD SCHOOL DISTRICT:

JLJ CONSULTING:

Signature

Signature

Lisa A. Franz, Director, Purchasing

Typed Name/Title

Typed Name/Title

Date

Date

Tax Identification Number: 95-6002318

Tax Identification Number: _____

- Not Project Related
- Project #16-75

EXHIBIT A
TO AGREEMENT FOR CONSULTANT SERVICES #16-75

SERVICES

I. Consultant will perform the following Services under the Captioned Agreement:

***SEE ATTACHED PROPOSAL**

II. As part of the Services, Consultant will prepare and deliver the following tangible work products to the District:
 N/A

III. During performance of the Services, Consultant will keep the District appraised of the status of performance by delivering the following status reports under the indicated schedule:

| STATUS REPORT FOR ACTIVITY: | DUE DATE |
|------------------------------------|-----------------|
| A. N/S | |
| B. N/A | |
| C. N/A | |
| D. N/A | |

V. Consultant will utilize the following personnel to accomplish the Services:

- None.
- See attached list.

VI. Consultant will utilize the following subcontractors to accomplish the Services (check one):

- None.
- See attached list.

VII. AMENDMENT

The Scope of Services, including services, work product, and personnel, are subject to change by mutual Agreement. In the absence of mutual Agreement regarding the need to change any aspects of performance, Consultant shall comply with the Scope of Services as indicated above

- Not Project Related
 Project #16-75

EXHIBIT B
TO AGREEMENT FOR CONSULTANT SERVICES #16-75

COMPENSATION

I. Consultant shall use the following rates of pay in the performance of the Services:

Total compensation not to exceed \$75,000.00 (\$100.00 per hour)

II. Consultant may utilize subcontractors as indicated in this Agreement. The hourly rate for any subcontractor is not to exceed \$0.00 per hour without written authorization from the District Superintendent or his designee.

III. The District will compensate Consultant for the Services performed upon submission of a valid invoice. Each invoice is to include:

- A. Line items for all personnel describing the work performed, the number of hours worked, and the Hourly or flat rate.
- B. Line items for all supplies properly charged to the Services.
- C. Line items for all travel properly charged to the Services.
- D. Line items for all equipment properly charged to the Services.
- E. Line items for all materials properly charged to the Services.
- F. Line items for all subcontractor labor, supplies, equipment, materials, and travel properly charged to the Services.

IV. The total compensation for the Services shall not exceed \$75,000.00 (\$100.00 per hour), as provided in Section 4 of this Agreement.

- Not Project Related
- Project #16-75

EXHIBIT C
TO AGREEMENT FOR CONSULTANT SERVICES #16-75

INSURANCE

I. Insurance Requirements. Consultant shall provide and maintain insurance, acceptable to the District Superintendent or District Counsel, in full force and effect throughout the term of this Agreement, against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by Consultant, its agents, representatives or employees. Insurance is to be placed with insurers authorized to conduct business in the State of California and with a current A.M. Best's rating of no less than A, as rated by the Current edition of Best's Key Rating Guide, published by A.M. Best Company, Oldwick, New Jersey 08858. Consultant shall provide the following scope and limits of insurance:

A. Minimum Scope of Insurance. Coverage shall be at least as broad as:

(1) Commercial General Liability coverage of not less than two million dollars (\$2,000,000) Aggregate and one million dollars (\$1,000,000) per occurrence.

(2) Auto liability insurance with limits of not less than one million dollars (\$1,000,000) one hundred thousand (\$100,000)/three hundred thousand dollars (\$300,000).

(3) Insurance coverage should include:

1. owned, non-owned and hired vehicles;
2. blanket contractual;
3. broad form property damage;
4. products/completed operations; and
5. personal injury.

(4) Workers' Compensation insurance as required by the laws of the State of California.

~~(5) Abuse and Molestation coverage of not less than two million dollars (\$2,000,000) per occurrence and five million dollars (\$5,000,000) Aggregate.~~

(6) Professional liability (Errors and Omissions) insurance, including contractual liability, as appropriate to the Consultant's profession, in an amount of not less than the following:

| | |
|--|----------------------------|
| Accountants, Attorneys, Education Consultants, Nurses, Therapists | \$1,000,000 |
| Architects | \$1,000,000 or \$2,000,000 |
| Physicians and Medical Corporations | \$5,000,000 |

Failure to maintain professional liability insurance is a material breach of this Agreement and grounds for immediate termination

II. Other Provisions. Insurance policies required by this Agreement shall contain the following provisions:

Not Project Related

Project #16-75

A. All Policies. Each insurance policy required by this Agreement shall be endorsed and state the coverage shall not be suspended, voided, cancelled by the insurer or either party to this Agreement, reduced in coverage or in limits except after 30 days' prior written notice by Certified mail, return receipt requested, has been given to District

B. General Liability, Automobile Liability, and Abuse/Molestation Coverages.

(1) District, and its respective elected and appointed officers, officials, employees and volunteers are to be covered as additional insureds (collectively, "additional insureds") as respects the following: liability arising out of activities Consultant performs; products and completed operations of Consultant; premises owned, occupied or used by Consultant ; automobiles owned, leased, hired or borrowed by Consultant, ~~and Abuse/Molestation.~~ The coverage shall contain no special limitations on the scope of protection afforded to additional insureds.

(2) Each policy shall state that the coverage provided is primary and any insurance carried by any additional insured is in excess to and non-contributory with Consultant's insurance.

(3) Consultant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

(4) Any failure to comply with the reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to any additional insured.

III. Other Requirements. Consultant agrees to deposit with District, at or before the effective date of this contract, certificates of insurance necessary to satisfy District that the insurance provisions of this contract have been complied with. The District may require that Consultant furnish District with copies of original endorsements effecting coverage required by this Section. The certificates and endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. District reserves the right to inspect complete, certified copies of all required insurance policies, at any time.

A. If any Services are performed by subcontractor, Consultant shall furnish certificates and endorsements from each subcontractor identical to those Consultant provides.

B. Any deductibles or self-insured retentions must be declared to and approved by District. At the option of District, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects District or its respective elected or appointed officers, officials, employees and volunteers or the Consultant shall procure a bond guaranteeing payment of losses and related investigations, claim administration, defense expenses and claims.

C. The procuring of any required policy or policies of insurance shall not be construed to limit Consultant's liability hereunder nor to fulfill the indemnification provisions and requirements of this Agreement.

- Not Project Related
- Project #16-75

EXHIBIT D
TO AGREEMENT FOR CONSULTANT SERVICES #16-75

CONFLICT OF INTEREST CHECK

Bylaws of the Board 9270(BB)E requires that the Superintendent or a designee make a determination, on a case by case basis, concerning whether disclosure will be required from a consultant to comply with the District's Conflict of Interest Code (commencing with Bylaws of the Board 9270 BB).

Consultant's are required to file disclosures when, pursuant to a contract with the District, the Consultant will make certain specified government decisions or will perform the same or substantially the same duties for the District as a staff person would.

The services to be performed by Consultant under the Agreement to which this Exhibit D is attached constitute do not constitute governmental decisions or staff services within the meaning of the Conflict of Interest Code. Therefore, the Consultant, **JLJ CONSULTING**, who will provide Services under the Agreement, is is not subject to disclosure obligations.

Date: _____

By: _____
Lisa A. Franz
Director, Purchasing

PO Box 5643
Chatsworth, CA 91313-5643
Phone: 818-481-6089
E-Mail: jljconsulting1@gmail.com

To: Oxnard School District, 1051 South "A" Street, Oxnard, CA 93030

For: Jenny L Ponzuric, Licensed Educational Psychologist

Date: July 12, 2016

Re: Proposal for Consultant Services to the Oxnard School District

SCOPE OF WORK:

To assist the Oxnard School District Special Education Department, Jenny Ponzuric will work collaboratively with the leadership team to develop, implement and deliver professional development for assessment team members, including school psychologists, special education teachers, speech/language pathologists and administrators. In addition, Jenny will work collaboratively with the leadership team in the creation and implementation of processes/procedures/systems to assist in implementing and improving best practices. Jenny will provide in-person and remote consultation, as needed, for school psychologists and other assessment team members. On an as needed basis, Jenny will conduct psycho-educational assessment.

Additional areas of expertise: Pattern of Strengths and Weaknesses (PSW) for Specific Learning Disability (SLD) Eligibility, CHAMPS, Multi-Tiered System of Supports (MTSS)/Response to Instruction/Intervention (RtI²), School Neuropsychology, Mentoring Skills

Dates of Service: Academic School Year 2016-17

Consultant Compensation: \$100 per hour

BOARD AGENDA ITEM

Name of Contributor(s): Dr. Jesus Vaca

Date of Meeting: 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT **X**
SECTION D: ACTION _____
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Approval of Agreement #16-77 – 360 Degree Customer Inc. (Vaca)

360 Degree Customer Inc. (Consultant) shall provide the Oxnard School District (OSD) with direct therapy services, professional services, studies and/or reports, and will also recommend equipment to carry out therapy services in consultation with director, principals, teacher/school staff and parents. Speech Therapist(s) will also hold IEP meetings, complete IEP's, track and monitor all services, and attend meetings and trainings.

FISCAL IMPACT:

Not to exceed \$85.00 per hour for Speech Therapist or \$90.00 per hour for Bilingual Speech Therapist – Special Education Funds

RECOMMENDATION:

It is recommended by the Assistant Superintendent, Human Resources & Support Services, that the Board of Trustees approve Agreement #16-77 with 360 Degree Customer Inc.

ADDITIONAL MATERIAL(S):

Attached: Agreement #16-77, 360 Degree Customer Inc. (5 Pages)
Certificate of Insurance (1 Page)

PROFESSIONAL SERVICES AGREEMENT

By this agreement made and entered into on the 3rd day of August 2016, between the Oxnard School District (referred to as OSD) located at 1051 South A Street, Oxnard, CA - 93030

and 360 Degree Customer Inc (hereinafter referred to as Consultant) located at 4423 Fortran Drive # 114 San Jose CA 95134, in consideration of their mutual covenants, the parties hereto agree as follows:

A. DUTIES OF CONSULTANT The Consultant shall provide the following Professional services, studies and/or reports. The Speech Therapist will also need to hold IEP meetings, complete IEPs, track and monitor all services, and attend meetings and trainings

Provide direct therapy service; recommend equipment to carry out therapy program in consultation with director, principals, teacher/school staff and parents. Continuous service unless contractor gives 45 day notice or superintendent gives 45 day notice to terminate or amend.

B. CONTRACT PERIOD: The Consultant's work as specified in this agreement shall commence on **Date as specified in Addendum A**

C. COMPENSATION For the full performance of this agreement, the OSD shall pay the Consultant as follows: Consultant's Fee:

- a. **For Consultant : Name of the Consultant and Rate as Specified in Addendum A**
- b. **Consultants will work for 5 days per week as per school year calendar**

Payment to be made as follows: Payments to be made every month within 45 days of receipt of invoice.

D. GENERAL TERMS AND CONDITIONS

1. INDEMNIFICATION:

- a.) Except with regard to professional negligence, as provided in paragraph (b) below, the Consultant shall indemnify, hold harmless and defend the (OSD) and each of its, officers, officials, employees, volunteers and agents from any and all loss, liability, fines, penalties, forfeitures, costs and damages (whether in contract, tort or strict liability, including but not limited to personal injury, death at any time and property damage) incurred by OSD, the Consultant or any other person and from any and all claims, demands and actions in law or equity (including reasonable attorney's fees and litigation expense), arising or alleged to have arisen directly or indirectly out of the active or passive negligence of the Consultant or any of its employees or agents in the performance of this contract. The Consultant's obligations under the preceding sentence shall apply regardless of whether the OSD or any of its, officers, officials, employees, volunteers or agents are actively or passively negligent, but shall not apply to any loss, liability, fines, penalties, forfeitures, costs or damages caused solely by the active negligence or by the willful misconduct of the OSD.

- b.) Specifically regarding professional negligent errors or omissions, the Consultant shall indemnify, hold harmless, and defend the OSD, its officers, officials, employees, volunteers or agents, from any and all loss, liability, costs and damages (whether in contract, tort or strict liability, including but not limited to personal injury, death at any time and property damage) incurred by the OSD, the Consultant or any other person, and from any and all claims, demands and actions in law or equity (including reasonable attorney's fees and litigation expenses) incurred by OSD, the Consultant, or any other person, to the proportionate extent that it arises out of or in connection with the professional negligent errors or omissions of the Consultant in the performance of this contract.
- c.) If the Consultant should subcontract all or any portion of the work to be performed under this agreement, the Consultant shall require each Sub-Consultant to indemnify, hold harmless and defend the OSD, its officers, officials, employees and agents in accordance with the terms of the preceding paragraphs.
2. NON-DISCRIMINATION No discrimination shall be made in the employment of persons under this agreement because of the race, religion, sex, age, national origin, ancestry, political affiliations, disability, medical condition, marital status, or sexual orientation.
 3. CONFLICT OF INTEREST Before executing this agreement, the Consultant shall disclose to the OSD the identities of any board member, officer, or employee of the OSD, or relatives thereof, who the Consultant knows or should know will have any financial interest resulting from this agreement.
 4. LICENSE AND AUTHORITY: The Consultant will maintain all necessary licenses during the term of this agreement. If other than a natural person, Consultant is duly authorized to enter into this agreement by its governing or controlling body. Evidence or copies of all necessary licenses must accompany this agreement.
 5. EQUIPMENT AND FACILITIES OSD and The Consultant will agree on all necessary equipment and facilities to render services pursuant to this agreement.
 6. ASSIGNMENT Without the written consent of the OSD, this agreement is not assignable by the Consultant.
 7. NON-SOLICITATION OF EMPLOYEES: OSD agrees to not solicit for hire employees of Contractor for a period of not less than 1 (One) year following the last date of that employee's services to OSD. After completion of 12 full billable months, OSD may hire the said employee after paying a referral fee to contractor. This fee will be agreed between OSD and the contractor.
 8. SUCCESSORS AND ASSIGNS. This agreement shall be binding on the heirs, executors, administrators, successors, and assigns of the respective parties.
 9. TIME. Time is the essence of this agreement.
 10. GOVERNING LAW. The validity of this agreement and any of its terms or provisions as well as the rights and duties of the parties hereunder shall be governed by the laws of the state of California.
 11. WITHHOLDING. The OSD shall not withhold or set aside any money on behalf of the Consultant for Federal Income Tax, State Income Tax, Social Security Tax, Unemployment Insurance, Disability Insurance, or any other federal or state fund whatsoever.

12. CHANGES OR ALTERATIONS. No changes, alterations, or variations of any kind to this agreement are authorized without the written consent of the OSD.
13. HEADINGS. All section headings contained herein are for clarification and convenience of reference only and are not intended to limit the scope of any provision of the agreement.
14. TERMINATION. The OSD may terminate this agreement and be relieved of the payment of any consideration to the Consultant should the Consultant fail to perform under this agreement. Either party may also terminate this agreement upon 45 days written notice to other party with or without cause. In the event of elective termination (without cause), OSD agrees to pay Consultant for work completed to date of termination.
15. AMBIGUITY. The language herein shall be construed as jointly proposed and jointly accepted, and in the event of any subsequent determination of ambiguity, all parties shall be treated as equally responsible for such ambiguity.
16. COPYRIGHT. Any written or electronic media product produced as a result of this contract shall be a work for hire and shall be the property of the OSD.

E. VENDOR IS A CONSULTANT AND NOT AN EMPLOYEE

This agreement is not a contract of employment. At all times the Consultant shall be deemed to be an independent Consultant and is not authorized to bind the OSD to any contracts or other obligations, or to state or imply that he or she is an employee or authorized representative of the OSD, or to utilize the OSD's letterhead or logo without the prior consent of the OSD. Each of the following factors, in addition to other provisions of this Agreement, confirms the Consultant's status as an independent Consultant and not an employee. Except as otherwise set forth herein or agreed to by the parties in writing, the Consultant and OSD agree to comply with each of the following factors as is necessary to maintain independent Consultant status, each of which shall form a part of this Agreement:

| | |
|-------------------------------|--|
| INSTRUCTIONS | The OSD shall provide job specifications and instructions. |
| TRAINING | The OSD would provide training and meetings that the consultant needs to attend |
| RIGHT TO HIRE OTHERS | The consultant (mentioned below in Addendum - A) would not be allowed to hire others to do their work. |
| WORK ESSENTIAL TO WPS | The consultant's work is essential to OSD in relation to them providing all of the services provided in section |
| TIME TO PURSUE OTHER WORK | The Consultant may pursue other work during our agreement but not if it interferes with the hours and days worked at OSD or any other provisions listed in part A. |
| JOB LOCATION | OSD controls the job location. |
| BASIS OF PAYMENT | Payment shall be by the time expended. |
| WORK FOR MULTIPLE FIRMS | The Consultant may work for multiple firms simultaneously. |
| MATERIALS, TOOLS & EQUIPMENTS | All Materials, Tools and equipment for the job shall be provided by OSD. |

| | |
|------------------------------|---|
| SERVICES AVAILABLE TO PUBLIC | The Consultant's services are available to the general public. |
| RIGHT TO TERMINATE | The Consultant may not be terminated except as allowed for under the agreement. |
| PROGRESS REPORTS | The consultant would have to make progress reports for the students which are a monitoring issue of the goals and services for the student. |
| | |

F. UNDERSTANDING AND ACCEPTANCE OF THE PARTIES: This Agreement constitutes the entire understanding of the parties. The Contract Initiator's and Consultant's signatures below signify both an understanding and acceptance of the contract provisions.

G. CONTRACT INITIATOR (OSD Representative) CONSULTANT

Signature: _____

Date Signed: _____

Branch / Dept: Director, Purchasing

Address: 1051 South A Street
Oxnard, CA 93030

Phone / Fax: Ph: 805-385-1501 x2414

E-Mail Address: lfranz@oxnardsd.org

Signature: _____

Date Signed: _____

Title: MANAGER - SALES

Company Name & Address: 360 Degree Customer Inc
4423 Fortran Dr., Ste #114, San Jose, CA 95014

Phone / Fax: Ph 408-234-8419, Fax 408-624-9355

E-Mail Address: mathew@360customer.com

ADDENDUM – A

Name/Title: Tiffany Williams, Speech Therapist

Rate: \$85 per hour with a minimum of 8 hours per day

Name/Title: Aleida Ferrer, Bilingual Speech Therapist

Rate: \$90 per hour with a minimum of 8 hours per day

Start Date: [REDACTED] August 4, 2016

End Date: TBD continuous service unless Contractor or OSD gives 45 Day Notice to Terminate or Amend.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
06/21/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).


| | | |
|--|--|---------------------------------|
| PRODUCER Om Insurance 1336 Trestlewood Lane San Jose, CA 95138 | CONTACT NAME: Pal PHONE (A/C No. Ext): 4082610884 E-MAIL ADDRESS: alisettyp@gmail.com | FAX (A/C No): 4085169789 |
| | INSURER(S) AFFORDING COVERAGE | |
| INSURED 360 Degree Customer, Inc 4423 Fortran Dr Ste. 114 San Jose Ca 95134 | INSURER A: Lloyds of London | |
| | INSURER B: | |
| | INSURER C: | |
| | INSURER D: | |
| | INSURER E: | |
| | INSURER F: | |

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|----------|---|-----------|------------|----------------|-------------------------|-------------------------|---|----------------------|
| A | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER: | X | | ATR/O/232299 | 02/17/16 | 02/17/17 | EACH OCCURRENCE | \$ 100000 |
| | | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) | \$ 100000 |
| | | | | | | | MED EXP (Any one person) | \$ 5000 |
| | | | | | | | PERSONAL & ADV INJURY | \$ 100000 |
| | | | | | | | GENERAL AGGREGATE | \$ 200000 |
| | | | | | | | PRODUCTS - COMP/OP AGG | \$ 100000 |
| | | | | | | | | \$ |
| A | <input type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS | X | | ATR/O/232299 | 02/17/16 | 02/17/17 | COMBINED SINGLE LIMIT (Ea accident) | \$ 100000 |
| | | | | | | | BODILY INJURY (Per person) | \$ |
| | | | | | | | BODILY INJURY (Per accident) | \$ |
| | | | | | | | PROPERTY DAMAGE (Per accident) | \$ |
| | | | | | | | | \$ |
| | <input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB DED RETENTION \$ | | | | | | EACH OCCURRENCE | \$ |
| | | | | | | | AGGREGATE | \$ |
| | | | | | | | | \$ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | | Y/N N/A | | | | PER STATUTE | |
| | | | | | | | OTH-ER | |
| | | | | | | | E.L. EACH ACCIDENT | \$ |
| | | | | | | | E.L. DISEASE - EA EMPLOYEE | \$ |
| | | | | | | | E.L. DISEASE - POLICY LIMIT | \$ |
| A | Professional Liability/E and O | | | MPL 1693279 16 | 02/02/16 | 02/02/17 | 1000000 | Retro Date: 02/02/16 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 The following Certificate holder is additional insured

| | |
|--|---|
| CERTIFICATE HOLDER Oxnard School District 1051 South A Street Oxnard, Ca 93030 | CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. |
| | AUTHORIZED REPRESENTATIVE  |

BOARD AGENDA ITEM

Name of Contributor(s): Dr. Cesar Morales/Lisa Cline

Date of Meeting: 8/3/16

STUDY SESSION _____

CLOSED SESSION _____

SECTION B: HEARINGS _____

SECTION C: CONSENT **X**

SECTION D: ACTION _____

SECTION E: REPORTS/DISCUSSION _____

SECTION F: BOARD POLICIES

1st Reading _____ 2nd Reading _____

**Approval of Agreement #16-85 – Department of Toxic Substances Control (DTSC)
(Morales/Cline/CFW)**

This Agreement will cover the Department of Toxic Substances Control (DTSC) oversight of the preparation of a Preliminary Endangerment Assessment (PEA) and other related activities, if necessary, at the proposed Doris & Patterson school site.

FISCAL IMPACT:

\$25,600.00 – Measure R

RECOMMENDATION:

It is the recommendation of the Superintendent, and the Deputy Superintendent, Business & Fiscal Services, in consultation with Caldwell Flores Winters, that the Board of Trustees approve Agreement #16-85 with the Department of Toxic Substances Control.

ADDITIONAL MATERIAL(S):

Attached: Agreement #16-85, Department of Toxic Substances Control (30 Pages)

STATE OF CALIFORNIA
ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF TOXIC SUBSTANCES CONTROL

| | | |
|---|---|-----------------------------------|
| Agreement Regarding: |) | Docket Number HSA-FY15/16-157 |
| |) | |
| Doris/Patterson New K-5 & 6-8 Middle School |) | Environmental Oversight Agreement |
| |) | |
| Doris Avenue and North Patterson Road) |) | |
| Oxnard, California 93033 |) | |
| Site Code Number: 304663-11 |) | |
| |) | Education Code |
| Project Proponent: |) | Sections 17210, 17210.1, 17213.1 |
| |) | |
| ATC Group Services LLC |) | |
| 25 Cupania Circle |) | |
| Monterey Park, California 91755 |) | |
| _____ |) | |

I.
INTRODUCTION

1.1 Parties. The California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) enters into this Environmental Oversight Agreement (Agreement) with the ATC Group Services LLC, on behalf of the Oxnard School District (Proponent). DTSC and the Proponent are referred to collectively herein as the "Parties."

1.2 Site. The property, which is the subject of this Agreement, (Site) is a proposed school site and is located at the southeast corner of the intersection of Doris Avenue and North Patterson Road, Oxnard, Ventura County, California 93033. The Site is identified by Assessor's Parcel Number 183-0-070-090. A location map and a Site diagram are attached as Exhibit A and Exhibit B, respectively.

1.3 Jurisdiction. This Agreement is entered into by DTSC and the Proponent pursuant to Education Code section 17213.1. This section authorizes DTSC to enter into an enforceable agreement with the Proponent to oversee the Proponent's

preparation of a Preliminary Endangerment Assessment (PEA) for the Site and other related activities, if necessary.

1.4 Purpose. The purpose of this Agreement is for the Proponent to perform a PEA under the oversight of DTSC. The definition and requirements of a PEA, for purposes of this Agreement, are those set forth in Education Code sections 17210, 17210.1 and 17213.1. The purpose of this Agreement is also for DTSC to obtain reimbursement from the Proponent for DTSC's oversight costs.

II. BACKGROUND

2.1 Ownership. The Site is owned by Development Planning Services Inc.

2.2 Current Knowledge of the Site. The Proponent submitted an application requesting to enter into this Agreement for DTSC's oversight of the preparation of a PEA for the Site. Since the Site has been used for agriculture for almost 80 years, there is a potential for pesticide/herbicide contamination.

2.3 Physical Description. The Site is approximately 25 acres of agricultural land. The Site is surrounded by residential properties to the north and east, agricultural properties to the west, and Oxnard High School to the northwest.

2.4 Site History. The Site has been used for agricultural purposes from at least 1938 to the present.

III. AGREEMENT

3.0 **IT IS HEREBY AGREED THAT** DTSC will provide review, oversight and approval of the PEA conducted by the Proponent in accordance with the Scope of Work contained in Exhibit C. The Proponent shall conduct the activities required under this Agreement in the manner specified herein and in accordance with the schedule

specified in Exhibit D. All work shall be performed consistent with Education Code sections 17210, 17210.1 and 17213.1; Health and Safety Code section 25300 et seq., as amended; the National Contingency Plan (Code of Federal Regulations, Title 40, Part 300), as amended; and United States Environmental Protection Agency and DTSC Superfund guidance documents regarding site investigation and remediation.

3.1 Scope of Work and DTSC Oversight. DTSC shall review and provide the Proponent with written comments on all of the Proponent's deliverables as described in Exhibit C (Scope of Work) and other documents determined by DTSC to be necessary to the scope of the project or the implementation of this Agreement. DTSC shall provide oversight of field activities, including sampling, as appropriate.

3.2 Additional Activities. Additional activities may be conducted and DTSC's oversight provided by amendment to this Agreement or Exhibits attached hereto in accordance with Paragraph 3.17 of this Agreement. If DTSC expects additional oversight costs to be incurred related to these additional activities, DTSC will provide a written estimate of the additional oversight cost to the Proponent.

3.3 Agreement Managers. Mr. Shahir Haddad, Unit Chief, Schools Unit, Cypress Office, Brownfields and Environmental Restoration Program, is designated by DTSC as its Manager for this Agreement. Ms. Patricia Raphael Garcia, Planning Associate, Caldwell Flores Winters, Inc., is designated by the Proponent as its Manager for this Agreement. Each Party to this Agreement shall provide at least 10 days advance written notice to the other of any change in its designated Manager.

3.4 Notices and Submittals. All notices, documents and communications required to be given under this Agreement, unless otherwise specified herein, shall be sent by regular mail to the respective Agreement Managers at the following addresses:

(a) To DTSC:

Mr. Shahir Haddad, Unit Chief
Schools Unit – Cypress Office
Brownfields and Environmental Restoration Program
Attn: Ms. Xihong Scarlett Zhai
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, California 90630

(b) To the Proponent:

Ms. Dawn Merrill, Environmental Consultant
ATC Group Services LLC
25 Cupania Circle
Monterey Park, California 91755

For all documents required to be given to DTSC, the Proponent shall submit one hard (paper) copy and one electronic copy in Adobe Portable Document Format (PDF), as specified in Exhibit E. All submittals shall include applicable signatures and certification stamps.

3.5 DTSC Review and Approval. If DTSC determines that any report, plan, schedule or other document submitted for approval pursuant to this Agreement fails to comply with this Agreement or fails to protect public health or safety or the environment, DTSC may (a) return comments to the Proponent with recommended changes and a date by which the Proponent shall submit to DTSC a revised document incorporating the recommended changes; or (b) modify the document as deemed necessary and approve the document as modified. Any modifications, comments or other directives issued pursuant to this Paragraph are incorporated into this Agreement.

3.6 Communications. All approvals and decisions of DTSC made regarding submittals and notifications will be communicated to the Proponent in writing by DTSC's Agreement Manager or his/her designee. Confirmation of a designation shall be

provided in writing by DTSC to validate any approvals or decisions made by the designee of DTSC's Agreement Manager. No informal advice, guidance, suggestions or comments by DTSC regarding reports, plans, specifications, schedules or any other writings by the Proponent shall be construed to relieve the Proponent of the obligations to obtain such written approvals.

3.7 Stop Work Order. In the event DTSC determines that any activity (whether or not pursued in compliance with this Agreement) may pose an imminent or substantial endangerment to the health and safety of people on the Site or in the surrounding area or to the environment, DTSC may order the Proponent to stop further implementation of this Agreement for such period of time as may be needed to abate the endangerment. In the event that DTSC determines that any activities (whether or not pursued in compliance with this Agreement) are proceeding without DTSC's authorization, DTSC may order the Proponent to stop further implementation of this Agreement or activities for such a period of time needed to obtain DTSC's authorization, if such authorization is appropriate. Any deadline in this Agreement directly affected by a Stop Work Order under this Paragraph shall be extended for the term of the Stop Work Order.

3.8 Payment. The Proponent shall pay (1) all costs incurred by DTSC for preparation of this Agreement and review of documents submitted prior to the effective date of the Agreement, and (2) all costs incurred by DTSC in providing oversight pursuant to this Agreement, including review of the documents described in Exhibit C and associated documents, and in providing oversight of field activities. An estimate of DTSC's oversight costs is attached as Exhibit F. It is understood by the Parties that

Exhibit F is an estimate and cannot be relied upon as the final cost figure. DTSC will bill the Proponent quarterly. The Proponent shall make payment within 30 days of receipt of DTSC's billing. Such billings will reflect any amounts that have been advanced to DTSC by the Proponent.

3.8.1 In anticipation of services to be rendered, the Proponent shall make an advance payment of \$12,800.00 to DTSC. That payment shall be made no later than 10 days after this Agreement is fully executed. If the Proponent's advance payment does not cover all costs payable to DTSC under this Agreement, the Proponent shall pay the additional costs within 30 days of receipt of a billing from DTSC.

3.8.2 If any billing is not paid by the Proponent within 60 days after it is sent, DTSC will commence calculating interest from the date of the billing, at the same rate of return earned on investment in the Surplus Money Investment Fund pursuant to Government Code section 16475 and Health and Safety Code section 25360.1.

3.8.3 All payments made by the Proponent pursuant to this Agreement shall be by a warrant or check made payable to the "Department of Toxic Substances Control," and bearing on its face the project code for the Site (Site Code Number 304663) and the Docket Number (Docket Number HSA-FY15/16-157) of this Agreement. Payments shall be sent to:

Department of Toxic Substances Control
Attn: Accounting Office
1001 "I" Street, 21st Floor
P.O. Box 806
Sacramento, California 95812-0806

A photocopy of the warrant or check shall be sent concurrently to DTSC's Agreement Manager. The Proponent requests future DTSC billings to be submitted to:

Ms. Lisa Cline, Deputy Superintendent
Business and Fiscal Services
Oxnard School District
1051 South A Street
Oxnard, California 93030

3.8.4 If the advance payment exceeds DTSC's actual oversight costs, DTSC will provide an accounting for expenses and refund the difference within 120 days after termination of this Agreement in accordance with Paragraph 3.18. In no other case shall the Proponent be entitled to a refund from DTSC or to assert a claim against DTSC for any amount paid or expended under this Agreement.

3.8.5 If the Proponent disputes a DTSC billing, or any part thereof, the Proponent shall notify DTSC's assigned project manager and attempt to informally resolve the dispute with DTSC's project manager and unit chief. If the Proponent desires to formally request dispute resolution with regard to the billing, the Proponent shall file a request for dispute resolution in writing within 45 days of the date of the billing in dispute. The written request shall describe all issues in dispute and shall set forth the reasons for the dispute, both factual and legal. If the dispute pertains only to a portion of the costs included in the billing, the Proponent shall pay all costs which are undisputed. The filing of a notice of dispute pursuant to this Paragraph shall not stay the accrual of interest on any unpaid costs pending resolution of the dispute. The written request shall be sent to:

Chief, Collections and Resolution Unit
Department of Toxic Substances Control
P.O. Box 806
Sacramento, California 95812-0806
(916) 322-0481

A copy of the written request for dispute resolution shall also be sent to DTSC's Agreement Manager. A decision on the billing dispute will be rendered by the Special Assistant for Cost Recovery and Reimbursement Policy or other DTSC designee.

3.9 Condition Precedent. It is expressly understood and agreed that DTSC's receipt of the advance payment described in Paragraph 3.8.1 is a condition precedent to DTSC's obligation to provide oversight, review, comment, and/or approval pursuant to this Agreement.

3.10 Record Retention. DTSC shall retain all cost records associated with the work performed under this Agreement for such time periods as may be required by applicable State law. The Proponent may request to inspect all documents which support DTSC's cost determination in accordance with the Public Records Act, Government Code section 6250 et seq.

3.11 Project Coordinator. The work performed by and on behalf of the Proponent pursuant to this Agreement shall be under the direction and supervision of a project coordinator which shall be a qualified environmental assessor as specified in Education Code section 17210(b) with at least three (3) years' experience in conducting PEAs. The Proponent shall submit: a) the name and address of the project coordinator; and b) in order to demonstrate the qualifications of an environmental assessor, the resume of the project coordinator. The Proponent shall notify DTSC within 10 business days of any change in the identity of the project coordinator. All engineering and geological work shall be conducted in conformance with applicable State law, including but not limited to, Business and Professions Code sections 6735 and 7835.

3.12 Access. The Proponent shall provide and/or use best efforts to obtain access to the Site and offsite areas to which access is necessary to implement this

Agreement. Such access shall be provided to DTSC's employees, contractors, and consultants at all reasonable times. Nothing in this Paragraph is intended or shall be construed to limit in any way the right of entry or inspection that DTSC or any other agency may otherwise have by operation of any law. The Proponent shall give its permission, to the extent it has authority to give such permission, to DTSC and its authorized representatives to enter and move freely at the Site at all reasonable times for purposes including, but not limited to: inspecting records, operating logs, sampling and analytic data, and contracts relating to this Site; reviewing the progress of the Proponent in carrying out the terms of this Agreement; conducting such tests as DTSC may deem necessary; and verifying the data submitted to DTSC by the Proponent.

3.13 Sampling, Data and Document Availability. When requested by DTSC, the Proponent shall make available to DTSC, and shall provide copies of, all data and information concerning the presence, if any, of hazardous materials at the Site, including electronic data, technical records and contractual documents, sampling and monitoring information and photographs and maps, whether or not such data and information was developed pursuant to this Agreement. The required information or data about the Site may include information that is publicly available or that is within the Proponent's possession or control.

3.14 Notification of Field Activities. The Proponent shall inform DTSC at least seven (7) days in advance of all field activities pursuant to this Agreement and shall allow DTSC and its authorized representatives to take splits of any samples collected by the Proponent pursuant to this Agreement. DTSC and the Proponent will agree to the most appropriate method of collecting the split samples.

3.15 Notification of Environmental Condition. The Proponent shall notify DTSC's Agreement Manager immediately upon learning of any condition posing an immediate threat to public health or safety or the environment. Within seven (7) days of the onset of such a condition, the Proponent shall furnish a report to DTSC, signed by the Proponent's Agreement Manager, setting forth the events which occurred and the measures taken in the response thereto.

3.16 Preservation of Documentation. The Proponent shall maintain a central repository of the data, reports, and other documents prepared pursuant to this Agreement. All such data, reports and other documents shall be preserved by the Proponent for a minimum of six (6) years after the conclusion of all activities under this Agreement. If DTSC requests that some or all of these documents be preserved for a longer period of time, the Proponent shall comply with that request, deliver the documents to DTSC, or permit DTSC to copy the documents prior to destruction. The Proponent shall notify DTSC in writing at least 90 days prior to destroying any documents prepared pursuant to this Agreement. If any litigation, claim, negotiation, audit or other action involving the records has been started before the expiration of the six-year period, the related records shall be retained until the completion and resolution of all issues arising therefrom or until the end of the six-year period, whichever is later.

3.17 Amendments. This Agreement may be amended or modified solely upon written consent of all Parties. Such amendments or modifications may be proposed by any Party and shall be effective the third business day following the day the last Party signing the amendment or modification sends its notification of signing to the other Party. The Parties may agree to a different effective date.

3.18 Termination. Each Party to this Agreement reserves the right unilaterally to terminate this Agreement for any reason. Termination may be accomplished by giving a 30-day advance written notice of the election to terminate this Agreement to the other Party. In the event that this Agreement is terminated, the Proponent shall be responsible for DTSC's costs incurred in the implementation and administration of this Agreement through the effective date of termination. DTSC will submit a final billing within 120 days from the effective date of termination.

3.19 Exhibits. All exhibits identified in and attached to this Agreement are incorporated herein by this reference.

3.20 Time Periods. Unless otherwise specified, time periods begin from the effective date of this Agreement and "days" means calendar days. "Business days" means all calendar days that are not weekends or official State holidays.

3.21 Proponent Liabilities. The terms and conditions of this Agreement constitute requirements issued or adopted by DTSC for purposes of Health and Safety Code section 25187. Nothing in this Agreement shall constitute or be considered a satisfaction or release from liability for any condition or claim arising as a result of the Proponent's past, current, or future operations. The Proponent shall not be deemed to be an operator of the Site under State or federal law solely by reason of conducting the PEA subject to DTSC oversight in compliance with this Agreement.

3.22 Government Liabilities. The State of California shall not be liable for any injuries or damages to persons or property resulting from acts or omissions by the Proponent or by related parties in carrying out activities pursuant to this Agreement, nor shall the State of California be held as a party to any contract entered into by the Proponent or its agents in carrying out the activities pursuant to this Agreement.

3.23 Third-Party Actions. In the event that the Proponent is or becomes a party to any suit or claim for damages or contribution relating to the Site to which DTSC is not a party, the Proponent shall notify DTSC in writing within 10 days after service of the complaint in the third-party action. The Proponent shall pay all costs incurred by DTSC relating to such third-party actions, including but not limited to responding to subpoenas.

3.24 Reservation of Rights. DTSC and the Proponent reserve the following rights.

(a) DTSC reserves its right to pursue cost recovery under the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, Health and Safety Code section 25360 et seq., or any other applicable provision of the law.

(b) Nothing in this Agreement is intended or shall be construed to limit or preclude DTSC from taking any action authorized by law or equity to protect public health and safety or the environment and recovering the costs thereof.

(c) Nothing in this Agreement shall constitute or be construed as a waiver of the Proponent's rights, (including any covenant not to sue or release) with respect to any claim, cause of action, or demand in law or equity that the Proponent may have against any "person", as defined in section 101(21) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, or Health and Safety Code section 25319, that is not a signatory to this Agreement.

(d) Nothing in this Agreement is intended or shall be construed to limit the rights of any of the Parties with respect to claims arising out of or relating to the deposit or disposal at any other location of substances removed from the Site.

(e) By entering into this Agreement, the Proponent does not admit to any fact, fault or liability under any statute or regulation.

3.25 Compliance with Applicable Laws. Nothing in this Agreement shall relieve the Proponent from complying with all applicable federal, State and local laws, regulations and requirements. The Proponent shall carry out this Agreement in compliance with all applicable requirements, including, but not limited to, requirements to obtain permits and to assure worker safety.

3.26 California Law. This Agreement shall be governed, performed and interpreted under the laws of the State of California.

3.27 Severability. If any portion of this Agreement is ultimately determined not to be enforceable, that portion will be severed from the Agreement and the severability shall not affect the enforceability of the remaining terms of the Agreement.


3.28 Parties Bound. This Agreement applies to and is binding upon the Proponent and its officers, directors, agents, employees, contractors, consultants, receivers, trustees, administrators, successors and assignees, including but not limited to individuals, partners and subsidiary, and upon any successor agency of the State of California that may have responsibility for and jurisdiction over the subject matter of this Agreement. No change in the ownership or corporate or business status of any signatory, or of the facility or Site shall alter any signatory's responsibilities under this Agreement.

3.29 Effective Date. The effective date of this Agreement is the date when this Agreement is fully executed.

3.30 Representative Authority. Each undersigned representative of the Parties to this Agreement certifies that she or he is fully authorized to enter into the terms and conditions of this Agreement and to execute and legally bind the Parties to this Agreement.

3.31 Counterparts. This Agreement may be executed and delivered in any number of counterparts, each of which when executed and delivered shall be deemed to be an original, but such counterparts shall together constitute one and the same document.

_____ Date: _____
Peter A. Garcia, Branch Chief
School Evaluation and Brownfields Outreach
Brownfields and Environmental Restoration Program
Department of Toxic Substances Control

 _____ Date: 7-6-16
Lisa Cline, Deputy Superintendent
Business and Fiscal Services
Oxnard School District

EXHIBITS

A - SITE LOCATION MAP

B - SITE DIAGRAM

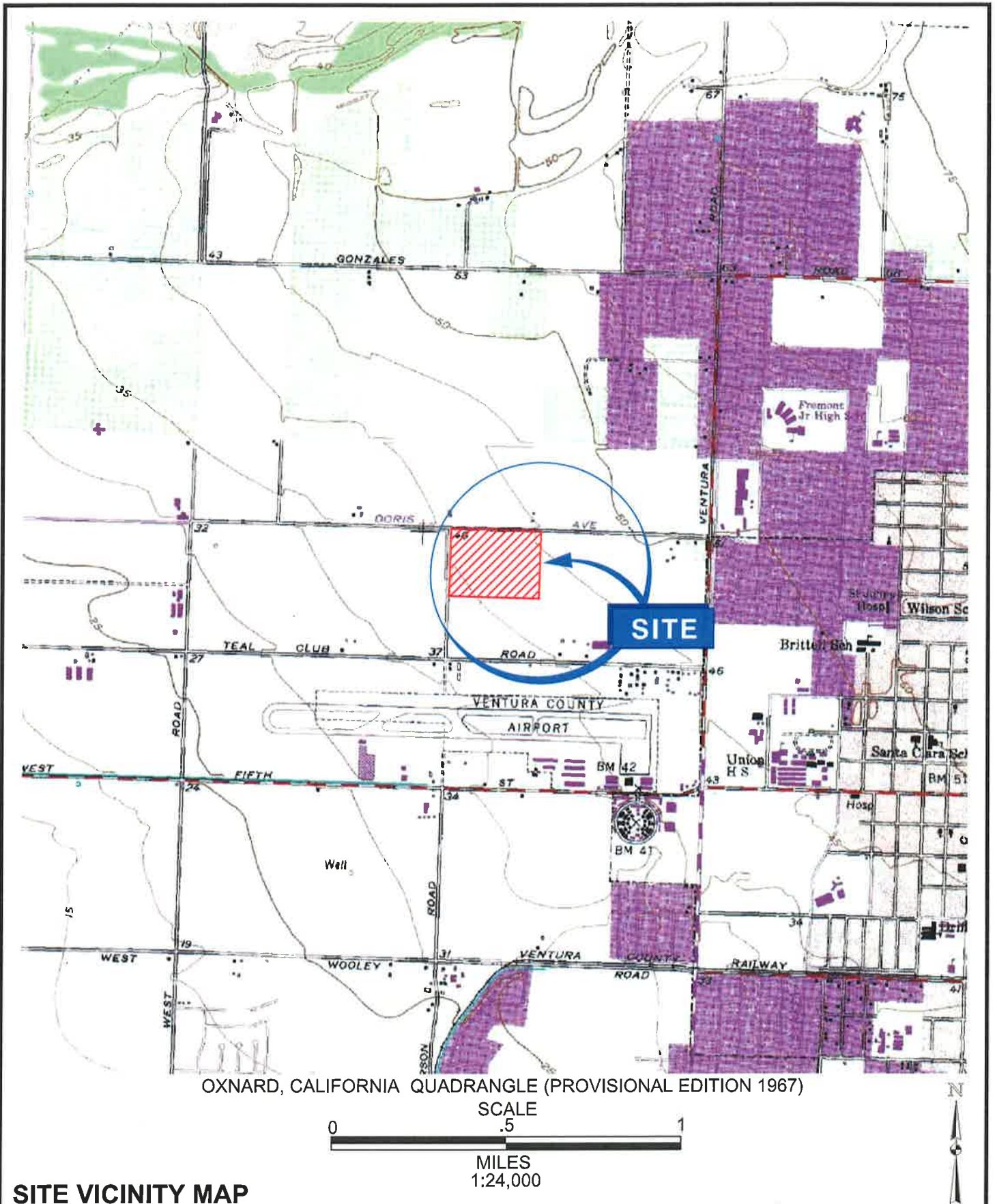
C - SCOPE OF WORK

D - PROJECT SCHEDULE

E - GUIDELINES FOR SUBMITTING DOCUMENTS IN ADOBE PORTABLE
DOCUMENT FORMAT

F - COST ESTIMATE

EXHIBIT A
SITE LOCATION



SITE VICINITY MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT
PROPOSED NEW ACADEMY SITE
 DORIS AVENUE AND NORTH PATTERSON ROAD
 OXNARD, CALIFORNIA

PROJECT NUMBER: 052.45457.0002

TASK NO.: 1

APPENDIX

REVIEW BY: D. TANG

DRAWN BY: DAW

A



25 Cupania Circle
 Monterey Park, CA 91755

Ph: (323) 517-9780 *** Fax: (323) 517-9781

Exhibit A
(Legal Description)

A portion of Lot 158, in the City of Oxnard, County of Ventura, State of California, as shown on the Map of Patterson Ranch, recorded in Book 8, Page 1 of Maps, in the office of the County Recorder of said County.

Said portion of land is described as follows:

Beginning at the northwesterly corner of said Lot 158, said point being shown on record of survey recorded in Book 56, Page 73 and 74 of Records of Survey in the office of the County Recorder of said County, being the northeasterly terminus of that line shown on said map as N 01° 14' 09" E, 970.51 feet; thence,

- 1st along the westerly line of said Lot 158, S 01° 14' 09" W, 970.51 feet to the southwestly corner of said Lot 158; thence,
- 2nd along the southerly line of said Lot 158, S 88° 47' 08" E, 1121.95 feet; thence,
- 3rd N 01° 14' 09" E, 970.44 feet to a point on the northerly line of said Lot 158; thence,
- 4th along said northerly line, N 88° 46' 55" W, 1121.95 feet to the point of beginning.

Containing an area of 1,088,824.84 square feet or 25.00 acres more or less.

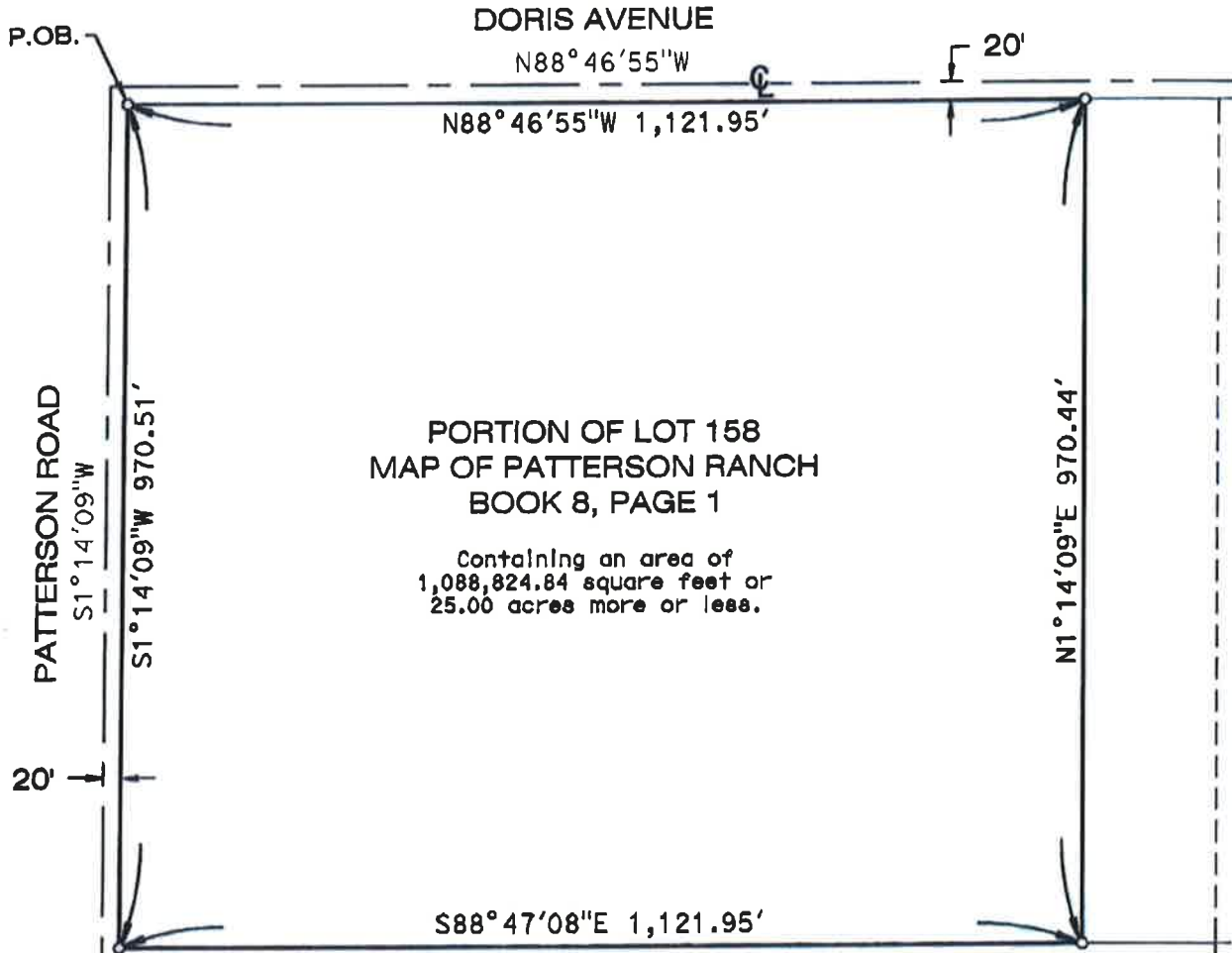
This real property description was prepared by me, or under my direction, in conformance with the Professional Land Surveyor's Act.

Signature: Frederick Joseph Tice Date: 1/8/2016
Frederick Joseph Tice, PLS



EXHIBIT B
SITE DIAGRAM

EXHIBIT "B"



LEGEND

P.O.B. Point of Beginning



0 100' 200'

SCALE: 1"=200'



4580 E. Thousand Oaks Blvd, Ste 101
Westlake Village, CA 91362
805.848.4840 Phone

ENGINEERING
PLANNING
SURVEYING
CONSTRUCTION MANAGEMENT

APN 183-0-070-090
CITY OF OXNARD
COUNTY OF VENTURA

EXHIBIT C
SCOPE OF WORK

EXHIBIT C

SCOPE OF WORK

The following Tasks will be completed as part of this Agreement. If circumstances warrant, the Proponent, with DTSC's prior written concurrence, may streamline certain tasks.

TASK 1. Submittal of Existing Data

The Proponent shall submit to DTSC, if relevant and available, all background information, sample analysis results, environmental assessment reports, and any other information pertinent to the hazardous materials management and/or release, characterization and cleanup of the Site not previously submitted as part of the Phase I Environmental Assessment (Phase I) and/or Phase I Addendum reviewed by DTSC. DTSC will review the information, and, in coordination with the Proponent, identify areas and compounds of concern, and determine the additional activities, if any, required to complete the investigation/remediation of the Site.

TASK 2. Scoping Meeting

DTSC's project manager will schedule a scoping meeting with the Proponent and the project coordinator within 15 days of Agreement execution. During the scoping meeting, the project coordinator shall present the proposed scope of work, including a summary of the historical and current onsite land uses, the uses of the adjacent properties, potential areas and compounds of concern, proposed sampling strategy and analytical methods, and timeframe for completion of each task. DTSC will provide recommendations, as needed, and request workplans or reports, as appropriate.

TASK 3. Preliminary Endangerment Assessment (PEA)

The Proponent shall conduct a PEA to determine whether a release or threatened release of hazardous materials exists at the Site, or whether naturally occurring hazardous materials are present, which pose a threat to children's health, children's learning abilities, public health or the environment. The PEA shall be conducted in accordance with the DTSC guidance manual for evaluating hazardous substance release sites, titled: "Preliminary Endangerment Assessment Guidance Manual," State of California, Environmental Protection Agency, Department of Toxic Substances Control (January 1994; revised June 1999).

Documents or activities which will be required as part of the PEA include:

- 3.1 PEA Workplan: The PEA Workplan shall include a sampling plan designed to determine the presence of contamination or naturally occurring hazardous materials at the Site, and, if present, the type and extent of the materials or

contamination; a Health and Safety (HAS) Plan addressing health and safety issues and safe work practices (as described in Task 4); a Quality Assurance/Quality Control (QA/QC) Plan to produce data of known quality (as described in Task 5); and implementation schedule. DTSC will review and comment or approve the PEA Work Plan.

- 3.2 PEA Fieldwork Notice: The Proponent shall provide a PEA Fieldwork Notice to residents in the immediate area of the proposed school Site, utilizing a format developed by DTSC, prior to the commencement of PEA fieldwork pursuant to Education Code section 17210.1(b).
- 3.3 Implementation of Approved PEA Workplan: The Proponent shall begin implementation of the approved PEA Workplan in accordance with the approved implementation schedule. DTSC shall provide oversight and approval of PEA Workplan implementation, as appropriate.
- 3.4 Draft PEA Report: The draft PEA Report shall document whether a release has occurred or a threatened release exists, or whether naturally occurring hazardous materials are present, the threat the Site poses to children's health, children's learning abilities, public health and the environment, and whether further action is necessary. DTSC will review the draft PEA Report and provide written comments to the Proponent. The Proponent shall revise the PEA Report accordingly.
- 3.5 PEA Public Review Requirements: The Proponent shall comply with the public review requirements set forth in Education Code section 17213.1(a)(6) for the draft PEA Report. Comments pertaining to the draft PEA Report shall be submitted to DTSC within 14 days of the close of the required public review period and public hearing. The Proponent shall incorporate public comments received, as applicable, and finalize the PEA Report.
- 3.6 Final PEA Report: After consideration of all comments received on the PEA Report, DTSC will approve or disapprove the final PEA Report.

TASK 4. Health and Safety (HAS) Plan

The Proponent shall submit a Site-specific HAS Plan in accordance with California Code of Regulations, title 8, section 5192 and DTSC guidance, which covers all measures, including contingency plans, which shall be taken during field activities to protect the health and safety of the workers at the Site and the general public from exposure to hazardous waste, substances or materials. The HAS Plan should describe the specific personnel, procedures and equipment to be utilized.

TASK 5. Quality Assurance/Quality Control (QA/QC) Plan

All sampling and analysis conducted by the Proponent under this Agreement shall be performed in accordance with a QA/QC Plan submitted by the Proponent and approved by DTSC. The QA/QC Plan shall describe:

- (a) The procedures for the collection, identification, preservation and transport of samples;
- (b) The calibration and maintenance of instruments;
- (c) The processing, verification, storage and reporting of data, including chain of custody procedures and identification of qualified person(s) conducting the sampling and of a laboratory certified or approved by DTSC pursuant to Health and Safety Code section 25198; and
- (d) How the data obtained pursuant to this Agreement will be managed and preserved in accordance with Paragraph 3.16, Preservation of Documentation, of this Agreement.

EXHIBIT D
PROJECT SCHEDULE

EXHIBIT D

PROJECT SCHEDULE

| TASK | TIMELINE |
|--|--|
| Proponent to submit advance payment | Within 10 days of Agreement execution |
| Proponent to submit existing data and reports | Within 15 days of Agreement execution |
| A scoping meeting to plan and coordinate project activities | Within 15 days of Agreement execution |
| Proponent to submit PEA Workplan | Within 30 days of Agreement execution |
| DTSC to review and comment or approve PEA Workplan | Within 30 days of receipt of PEA Workplan |
| Proponent to mail out PEA Fieldwork Notice to residents nearby the Site | 7-14 days prior to commencement of PEA fieldwork |
| Proponent to implement PEA Workplan | As outlined in PEA Workplan |
| Proponent to submit PEA Report | As outlined in PEA Workplan |
| Proponent to hold a public review period and a public hearing for PEA report | In compliance with California Education Code section 17213.1(a)(6) |
| DTSC to review, comment and approve or disapprove PEA Report | In compliance with California Education Code section 17213.1(a)(6) |

EXHIBIT E

**GUIDELINES FOR SUBMITTING DOCUMENTS
IN ADOBE PORTABLE DOCUMENT FORMAT**

EXHIBIT E

Guidelines for Submitting PDF Documents to DTSC

With the DTSC Cleanup Program's database, EnviroStor, the public can now download and view project-related documents online. To provide the public with this vital source of information, please provide a PDF copy of documents, even if a hard copy will be supplied.

Due to differences in internet downloading capabilities and resolutions of PDF files, many users have problems uploading and downloading PDF files. Most often the problem is caused by files being saved at unnecessary large sizes. The following guidelines were created to provide consistency in PDF files and allow most users to access these files from EnviroStor.

1) File size: For each file that needs to be uploaded, the maximum file size should be kept to **30 megabytes** (MB). If you have a large file, please save large color images (e.g., figures, site photos, maps) and supplemental information (appendices) into separate PDF files.

2) Resolution for scanned files: For files being scanned from a scanner, the resolution or DPI setting should be no more than **200 DPI**.

3) Saving and Naming PDF files: If you make any changes to a PDF file, always use the Save As option instead of the Save option when saving. This will produce a smaller file size. It is recommended that the files be named by using an abbreviated site name, report title, date, and, if multiple files are being uploaded, the section of report (e.g., **Site_report_mmddyy_section, 968-81stAve_PEA_072706_text**).

4) Accessibility: To ensure that all files uploaded into EnviroStor are searchable and comply with California's Web Accessibility law, please run all PDF files through an Optical Character Recognition (OCR) process prior to submitting the file to DTSC.

5) Bookmarks: For large reports, bookmarks should be created in the PDF for ease of navigation.

EXHIBIT F
COST ESTIMATE

EXHIBIT F
COST ESTIMATE WORKSHEET
ENVIRONMENTAL OVERSIGHT AGREEMENT

District Name: Oxnard School District

Project Name: Doris/Patterson New School

Site Code: 304663

| Title | EOA | Project | | | Unit | | Performance | | Tox | Geo | IH | PPS | CEQA | Legal | Clerical |
|--|-----------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|----------|
| | Coordinator | Manager | | | Chief | | Manager | | Staff | Eng. | Assec. | | | Staff | |
| TASK/CLASSIFICATION | SSA | HSS | HSE | HSEI | SEG | HSEII | | Tox. | Geo. | IH | PPS | AEP | Attorney | OT | |
| Agreement Preparation/Negotiation | 4 | | | 1 | | | | | | | | | | | |
| Background Review | | | 4 | | | | | 2 | 2 | | | | | | |
| Site Visit | | | | | | | | | | | | | | | |
| Preliminary Environmental Assessment (PEA) | | | | | | | | | | | | | | | |
| - PEA Scoping Meeting | | | 4 | 2 | | | | 2 | 2 | | | | | | |
| - PEA Workplan | | | 16 | 2 | | | | 8 | 8 | | | | | | 1 |
| - PEA Fieldwork Oversight | | | 12 | | | | | | 8 | 1 | | | | | |
| - PEA Report | | | 24 | 2 | | 1 | | 8 | 8 | | | | | | 1 |
| - Project Management | | | 4 | 1 | | | | | | | | | | | 1 |
| Estimated hours reflect time for review draft and any revisions needed, comment letters (as necessary) and/or approval letter. | | | | | | | | | | | | | | | |
| Total No. Hours/Class | 4 | 0 | 64 | 8 | 0 | 2 | | 20 | 28 | 1 | 0 | 0 | 0 | 0 | 3 |
| Hourly Rate/Class | \$104 | \$132 | \$194 | \$240 | \$228 | \$252 | | \$179 | \$228 | \$152 | \$125 | \$132 | \$185 | \$76 | |
| Cost/Class | 416 | 0 | 12416 | 1920 | 0 | 504 | | 3580 | 6384 | 152 | 0 | | 0 | 228 | |
| Grand Total Cost | \$25,600 | | | | | | | | | | | | | | |

Tox - Toxicologist; Geo - Geologist; IH - Industrial Hygenist; PPS - Public Participation Specialist, CEQA - California Environmental Quality Act

* Hourly rates are based on DTSC Contract Estimation Rates, effective 07/01/2015 - 06/30/2016, and are subject to change.

* Hourly rates include indirect labor costs

BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 8/3/16

| | |
|-------------------------------|---|
| STUDY SESSION | _____ |
| CLOSED SESSION | _____ |
| SECTION B: HEARINGS | _____ |
| SECTION C: CONSENT | <u> X </u> |
| SECTION D: ACTION | _____ |
| SECTION E: REPORTS/DISCUSSION | _____ |
| SECTION F: BOARD POLICIES | 1 st Reading _____ 2 nd Reading _____ |

Ratification of Agreement #15-254 – Casa Pacifica School (Freeman/Sugden)

Requesting ratification of Non-Public School (NPS) services for Student AM111605 for the 2015-2016 school year, including Extended School Year. The Non-Public School will provide a program of instruction which is consistent with the pupil's individual educational plan as specified in the individual service agreement.

Student: AM111605

FISCAL IMPACT:

Tuition: \$152 per diem x 29 days = \$4,408.00
(Including 20 days of Extended School Year)

Transportation: \$35 round trip daily rate, for 29 days = \$1,015.00

GRAND TOTAL: \$5,423.00 – Services to be paid with Special Education Funds

RECOMMENDATION:

It is the recommendation of the Director, Special Education Services, and the Assistant Superintendent, Educational Services, that the Board of Trustees ratify Agreement #15-254 with Casa Pacifica School, NPS, in the amount not to exceed \$5,423.00.

ADDITIONAL MATERIAL(S):

Attached: Agreement #15-254, Casa Pacifica School (4 Pages)



OXNARD SCHOOL DISTRICT

1051 South "A" Street • Oxnard, California 93030 • (805) 385-1501

AGREEMENT FOR NONPUBLIC, NONSECTARIAN SCHOOLING

AGREEMENT #15-254

THIS AGREEMENT, made and entered into this 3rd day of August 2016, by and between the OXNARD SCHOOL DISTRICT, hereinafter referred to as the District, and CASA PACIFICA SCHOOL, hereinafter referred to as the nonpublic, nonsectarian school.

WITNESSETH:

WHEREAS, the District is authorized by the provisions of the California Education Code, Section 56155 et seq., to contract with a nonpublic, nonsectarian school to provide services for certain pupils who are unable to benefit from regular education; and

WHEREAS, the District has determined, through evaluation and individual educational plans, that the following pupils are in need of such services;

Student: AM111605

NOW, THEREFORE, in consideration of their mutual promises contained herein, the parties hereto enter into a fixed price contract as follows:

1. The nonpublic school will provide a program of instruction which is consistent with the pupil's individual educational plan as specified in the individual service agreement attached hereto and made a part hereof, and that the nonpublic, nonsectarian schools basic educational program and designated instruction and services shall be described in a written statement to be provided to the school district prior to the execution of this agreement.
2. Services shall be provided for the **2015-2016** school year at a daily rate of \$152 for 29 days; this includes 20 days of extended school year through July 8, 2016; and a \$35 daily rate for round trip transportation; services not to exceed **\$5,423.00**.
3. The nonpublic school shall keep attendance of each pupil daily and shall report attendance monthly to the school district. Such attendance records shall be kept in a California State school register and copies of such register shall be filed with monthly invoices to the district within thirty (30) days after the close of the school month. Separate attendance registers shall be submitted for all designated instruction and services.



OXNARD SCHOOL DISTRICT

1051 South "A" Street • Oxnard, California 93030 • (805) 385-1501

AGREEMENT #15-254

Page 2

4. The nonpublic school will notify the school district of any change in a pupil's placement and/or address within three (3) days after the nonpublic school is informed of such changes.

5. The nonpublic school will report within three (3) days to the school district if a pupil is removed from the school by the placement agency, parent or legal guardian, or if a pupil absents himself/herself from school without permission for more than five (5) consecutive school days. For the purposes of the contract, a parent is the natural or adoptive parent, legal guardian or surrogate parent appointed by the district of residence when the courts have removed the parents educational rights.

6. The nonpublic school shall notify the school district when a pupil is absent for five (5) consecutive school days because of illness. Notification will be in writing.

7. *The nonpublic school will not be paid for excused absences due to changes in the ADA laws. These absences shall count as non-instructional days and not compensated at the daily rate.*

8. The nonpublic school shall prepare and submit to the school district year-end reports and other data required for the annual review on or before April 15 of the current school year. Forms for year-end and other required reports shall be provided by the school district via the computerized special education support program (SESP).

9. In consideration of the services to be rendered by the nonpublic, nonsectarian school, the district agrees to payment as follows:

All cost for this service, including intake, testing, tuition, and elective not to exceed **\$5,423.00** for Student: **AM111605.**

10. While engaged in carrying out and complying with the terms of this agreement, the nonpublic, nonsectarian school is an independent contractor and not an officer, agent, or employee of the district. The independent contractor will obtain a criminal record summary from the Department of Justice or a Department of Justice approved agency on all employees or contracted service providers who potentially have contact with students. This clearance will be completed prior to the person(s) first day of employment. No individual who has been convicted of a violent or serious felony as listed in subdivision C, of Section 1192.7 of the California Penal Code will be employed in any capacity that potentially involves contact with students. Nor will any person be employed who has been convicted of, or entered a plea of nolo contendere to charges of any sex offense as defined in Education Code 44011.



OXNARD SCHOOL DISTRICT

1051 South "A" Street • Oxnard, California 93030 • (805) 385-1501

AGREEMENT #15-254

Page 3

11. The school district may withhold payment to the nonpublic, nonsectarian school when, in the opinion of the district: (1) nonpublic school's performance in whole or in part, either has not been sufficient or is insufficiently documented, or: (2) nonpublic school has neglected, failed, or refused to provide information or to cooperate with the inspection, review or audit of the program conducted by nonpublic school or records relating thereto. The school district shall not withhold payments as specified in this paragraph unless the school district has notified the nonpublic, nonsectarian school, in writing, that nonpublic, nonsectarian school has not performed as specified herein. The notice shall specify that nonpublic, nonsectarian school has fourteen (14) days to make the required corrections. If, after the expiration of the fourteen (14) days, nonpublic, nonsectarian school has not corrected the situation as specified in the district's notice, the affected payments will be withheld and this agreement may be canceled for cause.

12. During the entire term of this agreement and any extension or modification thereof, the nonpublic school shall keep in effect a policy or policies of liability insurance, including coverage of owned and non-owned automobiles operated by nonpublic school for the purposes of this agreement, of at least \$1,000,000 for each person and \$1,000,000 for each accident or occurrence from all damages arising out of death, bodily injury, sickness, or disease from any one accident or occurrence, and \$3,000,000 for all damages and liability arising out of injury to or destruction of property for each accident or occurrence. Not later than the effective date of this contract, the nonpublic school shall provide the District with satisfactory evidence of insurance, naming the District as additional insured, including a provision for a twenty (20) calendar day written notice to District before cancellation or material change, evidencing the above specified coverage. The Nonpublic school shall at its own cost and expense, procure and maintain insurance under the Worker's Compensation Law of California. Said certificates shall specify that insurance shall not be canceled or changed in required limits unless the school district has been provided forty-five (45) days advance written notification of cancellation or change. The nonpublic, nonsectarian school shall also maintain Workers' Compensation Insurance coverage as required by law.

13. This Agreement, or any of its rights, obligations, provisions, or conditions, may not be assigned by either party without the written consent of the party.

14. This Agreement may be amended by mutual agreement of the parties and may be terminated by either party upon twenty (20) days advance notification.



OXNARD SCHOOL DISTRICT

1051 South "A" Street • Oxnard, California 93030 • (805) 385-1501

AGREEMENT #15-254

Page 4

IN WITNESS WHEREOF, the parties hereto have set their hands on the day and year first above written.

Date

Lisa A. Franz, Director, Purchasing
Oxnard School District

Date

Michael Redard, Chief Financial Officer
Casa Pacifica School, Nonpublic, Nonsectarian School

BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 8/3/16

| | |
|-------------------------------|---|
| STUDY SESSION | _____ |
| CLOSED SESSION | _____ |
| SECTION B: HEARINGS | _____ |
| SECTION C: CONSENT | <u> X </u> |
| SECTION D: ACTION | _____ |
| SECTION E: REPORTS/DISCUSSION | _____ |
| SECTION F: BOARD POLICIES | 1 st Reading _____ 2 nd Reading _____ |

Ratification of Agreement #15-255 – Casa Pacifica School (Freeman/Sugden)

Requesting ratification of Non-Public School (NPS) services for Student SK032703 for the 2015-2016 school year, including Extended School Year. The Non-Public School will provide a program of instruction which is consistent with the pupil's individual educational plan as specified in the individual service agreement.

Student: SK032703

FISCAL IMPACT:

Tuition: \$152 per diem x 43 days = \$6,536.00
(Including 20 days of Extended School Year)

Transportation: \$35 round trip daily rate, for 43 days = \$1,505.00

GRAND TOTAL: \$8,041.00 – Services to be paid with Special Education Funds

RECOMMENDATION:

It is the recommendation of the Director, Special Education Services, and the Assistant Superintendent, Educational Services, that the Board of Trustees ratify Agreement #15-255 with Casa Pacifica School, NPS, in the amount not to exceed \$8,041.00.

ADDITIONAL MATERIAL(S):

Attached: Agreement #15-255, Casa Pacifica School (4 Pages)



OXNARD SCHOOL DISTRICT

1051 South "A" Street • Oxnard, California 93030 • (805) 385-1501

AGREEMENT FOR NONPUBLIC, NONSECTARIAN SCHOOLING

AGREEMENT #15-255

THIS AGREEMENT, made and entered into this 3rd day of August 2016, by and between the OXNARD SCHOOL DISTRICT, hereinafter referred to as the District, and CASA PACIFICA SCHOOL, hereinafter referred to as the nonpublic, nonsectarian school.

WITNESSETH:

WHEREAS, the District is authorized by the provisions of the California Education Code, Section 56155 et seq., to contract with a nonpublic, nonsectarian school to provide services for certain pupils who are unable to benefit from regular education; and

WHEREAS, the District has determined, through evaluation and individual educational plans, that the following pupils are in need of such services;

Student: SK032703

NOW, THEREFORE, in consideration of their mutual promises contained herein, the parties hereto enter into a fixed price contract as follows:

1. The nonpublic school will provide a program of instruction which is consistent with the pupil's individual educational plan as specified in the individual service agreement attached hereto and made a part hereof, and that the nonpublic, nonsectarian schools basic educational program and designated instruction and services shall be described in a written statement to be provided to the school district prior to the execution of this agreement.
2. Services shall be provided for the **2015-2016** school year at a daily rate of \$152 for 43 days; this includes 20 days of extended school year through July 8, 2016; and a \$35 daily rate for round trip transportation; services not to exceed **\$8,041.00**.
3. The nonpublic school shall keep attendance of each pupil daily and shall report attendance monthly to the school district. Such attendance records shall be kept in a California State school register and copies of such register shall be filed with monthly invoices to the district within thirty (30) days after the close of the school month. Separate attendance registers shall be submitted for all designated instruction and services.



OXNARD SCHOOL DISTRICT

1051 South "A" Street • Oxnard, California 93030 • (805) 385-1501

AGREEMENT #15-255

Page 2

4. The nonpublic school will notify the school district of any change in a pupil's placement and/or address within three (3) days after the nonpublic school is informed of such changes.

5. The nonpublic school will report within three (3) days to the school district if a pupil is removed from the school by the placement agency, parent or legal guardian, or if a pupil absents himself/herself from school without permission for more than five (5) consecutive school days. For the purposes of the contract, a parent is the natural or adoptive parent, legal guardian or surrogate parent appointed by the district of residence when the courts have removed the parents educational rights.

6. The nonpublic school shall notify the school district when a pupil is absent for five (5) consecutive school days because of illness. Notification will be in writing.

7. *The nonpublic school will not be paid for excused absences due to changes in the ADA laws. These absences shall count as non-instructional days and not compensated at the daily rate.*

8. The nonpublic school shall prepare and submit to the school district year-end reports and other data required for the annual review on or before April 15 of the current school year. Forms for year-end and other required reports shall be provided by the school district via the computerized special education support program (SESP).

9. In consideration of the services to be rendered by the nonpublic, nonsectarian school, the district agrees to payment as follows:

All cost for this service, including intake, testing, tuition, and elective not to exceed **\$8,041.00** for Student: **SK032703**.

10. While engaged in carrying out and complying with the terms of this agreement, the nonpublic, nonsectarian school is an independent contractor and not an officer, agent, or employee of the district. The independent contractor will obtain a criminal record summary from the Department of Justice or a Department of Justice approved agency on all employees or contracted service providers who potentially have contact with students. This clearance will be completed prior to the person(s) first day of employment. No individual who has been convicted of a violent or serious felony as listed in subdivision C, of Section 1192.7 of the California Penal Code will be employed in any capacity that potentially involves contact with students. Nor will any person be employed who has been convicted of, or entered a plea of nolo contendere to charges of any sex offense as defined in Education Code 44011.



OXNARD SCHOOL DISTRICT

1051 South "A" Street • Oxnard, California 93030 • (805) 385-1501

AGREEMENT #15-255

Page 3

11. The school district may withhold payment to the nonpublic, nonsectarian school when, in the opinion of the district: (1) nonpublic school's performance in whole or in part, either has not been sufficient or is insufficiently documented, or: (2) nonpublic school has neglected, failed, or refused to provide information or to cooperate with the inspection, review or audit of the program conducted by nonpublic school or records relating thereto. The school district shall not withhold payments as specified in this paragraph unless the school district has notified the nonpublic, nonsectarian school, in writing, that nonpublic, nonsectarian school has not performed as specified herein. The notice shall specify that nonpublic, nonsectarian school has fourteen (14) days to make the required corrections. If, after the expiration of the fourteen (14) days, nonpublic, nonsectarian school has not corrected the situation as specified in the district's notice, the affected payments will be withheld and this agreement may be canceled for cause.

12. During the entire term of this agreement and any extension or modification thereof, the nonpublic school shall keep in effect a policy or policies of liability insurance, including coverage of owned and non-owned automobiles operated by nonpublic school for the purposes of this agreement, of at least \$1,000,000 for each person and \$1,000,000 for each accident or occurrence from all damages arising out of death, bodily injury, sickness, or disease from any one accident or occurrence, and \$3,000,000 for all damages and liability arising out of injury to or destruction of property for each accident or occurrence. Not later than the effective date of this contract, the nonpublic school shall provide the District with satisfactory evidence of insurance, naming the District as additional insured, including a provision for a twenty (20) calendar day written notice to District before cancellation or material change, evidencing the above specified coverage. The Nonpublic school shall at its own cost and expense, procure and maintain insurance under the Worker's Compensation Law of California. Said certificates shall specify that insurance shall not be canceled or changed in required limits unless the school district has been provided forty-five (45) days advance written notification of cancellation or change. The nonpublic, nonsectarian school shall also maintain Workers' Compensation Insurance coverage as required by law.

13. This Agreement, or any of its rights, obligations, provisions, or conditions, may not be assigned by either party without the written consent of the party.

14. This Agreement may be amended by mutual agreement of the parties and may be terminated by either party upon twenty (20) days advance notification.



OXNARD SCHOOL DISTRICT

1051 South "A" Street • Oxnard, California 93030 • (805) 385-1501

AGREEMENT #15-255

Page 4

IN WITNESS WHEREOF, the parties hereto have set their hands on the day and year first above written.

Date

Lisa A. Franz, Director, Purchasing
Oxnard School District

Date

Michael Redard, Chief Financial Officer
Casa Pacifica School, Nonpublic, Nonsectarian School

BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT **X**
SECTION D: ACTION _____
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Ratification of Agreement #15-256 – Ventura Unified School District (Freeman/Sugden)

Requesting ratification for Vision Specialist services for Student JT072904 for the 2015-2016 school year, including Extended School Year. Ventura Unified School District will provide a program of instruction which is consistent with the pupil's individual educational plan as specified in the individual service agreement.

Student: JT072904

FISCAL IMPACT:

| | | |
|-----------------------|----------------------------|---------------------|
| Paraeducator: | January 2016 – June 2016 | \$3,075.44 |
| Braille: | January 2016 – June 2016 | \$4,236.00 |
| VI Teacher: | September 2015 – June 2016 | \$12,345.96 |
| Extended School Year: | Total of 10 days | <u>\$3,241.50</u> |
| | Grand Total: | \$22,898.90* |

***Services to be paid with Special Education Funds**

RECOMMENDATION:

It is the recommendation of the Director, Special Education Services, and the Assistant Superintendent, Educational Services, that the Board of Trustees ratify Agreement #15-256 with Ventura Unified School District, in the amount not to exceed \$22,898.90.

ADDITIONAL MATERIAL(S):

Attached: Agreement #15-256, Ventura Unified School (2 Pages)

AGREEMENT

For Student Placement outside of SELPA Local Plan

This Agreement, effective December 15, 2015 is made by and between the Ventura Unified School District, hereinafter referred to as VENTURA UNIFIED, and the ~~Oxnard Elementary School District~~, hereinafter referred to as OXNARD ELEMENTARY. JT072904

1. This agreement pertains to providing exceptional service(s) for, [REDACTED] a Special Education pupil who is a resident of OXNARD ~~ELEMENTARY~~ and currently attends, Cabrillo Middle School a comprehensive middle school campus operated by VENTURA UNIFIED.
2. VENTURA UNIFIED agrees to provide for the exceptional service(s) of such Special Education pupil as authorized by OXNARD ELEMENTARY or its designee and agreed to by VENTURA UNIFIED.
3. OXNARD ELEMENTARY shall reimburse VENTURA UNIFIED the actual cost of providing the exceptional service plus additional costs for paraeducator time, Brailist time, specialized materials, and the state approved indirect cost rate of VENTURA UNIFIED.

Authorized exceptional service(s) shall consist of Paraeducator performing Special Circumstances services, Brailist, Vision Specialist services.

4. DISTRICT acknowledges that certain types of expenses will continue to accrue during periods of student's absence from school, including but not limited to salary and benefits of staff providing the exceptional service(s). DISTRICT further acknowledges that if the exceptional service(s) includes the service(s) of VENTURA UNIFIED's employee(s), 30 days notice is required to layoff an employee for lack of work. Therefore, in the event the student unexpectedly leaves VENTURA UNIFIED's program, VENTURA UNIFIED will make every attempt to re-assign any staff involved in providing the exceptional service(s); however, if that is not possible, DISTRICT will reimburse VENTURA UNIFIED for expense incurred throughout the layoff notice period.
5. DISTRICT does hereby agree to defend, indemnify and hold harmless the VENTURA UNIFIED, the Ventura County Board of Education, and its officers, and employees from any and all claims, demands, liabilities, expenses (including attorneys' fees and costs of defense) arising as a result of VENTURA UNIFIED's obligations under this agreement. However, this indemnification shall not apply if it is ultimately adjudicated that such claim, demand, liability or expense arose out of the sole negligence of VENTURA UNIFIED.
6. The term of this contract shall begin December 15, 2015 (IEP date), and continue thereafter on a continuing basis until the IEP of said student is modified or until student's district of residence changes.

| | | |
|--------------------------------|---------------------------|----------------------------|
| FISCAL YEAR-based on IEP date: | CURRENT: <u>2015-2016</u> | UPCOMING: <u>2016-2017</u> |
| (including ESY, if applicable) | \$ <u>22,898.90</u> | \$ <u>()</u> |

It shall be the responsibility of DISTRICT to notify VENTURA UNIFIED of any change in district of residence or change in the IEP that would affect this contract.

IN WITNESS WHEREOF, the parties hereto have executed this agreement:

OXNARD ~~ELEMENTARY~~ SCHOOL DISTRICT

VENTURA UNIFIED SCHOOL DISTRICT

Signature Lisa A. Franz

Accepted By: [Signature]
Special Education Authorized Representative

Title: Director, Purchasing

Approved By: [Signature]
Business Services Authorized Representative

Please submit **two** original copies Oxnard School District-Purchasing Department

Cost Breakdown of Reimbursable Expenses

| | | |
|--|------------------------------|--------------------|
| Paraeducator – Pam Scott | January, 2016 – June, 2016 | \$3,075.44 |
| Braillest – Jesse Detmer | January, 2016 – June, 2016 | \$4,236.00 |
| Teacher – Adam Berry - Salary | September, 2015 – June, 2016 | \$12,345.96 |
| Adam Berry 10 days of Extended School Year | | \$3,241.50 |
| TOTAL | | \$22,898.90 |

BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT X
SECTION D: ACTION _____
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Ratification of Agreement #16-44 – California Department of Education – Child Development Division Contract #CSPP-6635 (Freeman/Thomas)

The agreement formalizes services to be provided in accordance with Funding Terms and Conditions of the California State Preschool contract #CSPP-6635. Funding allows for the operation of 7 state preschool sites. Program operates for 180 days and follows the Oxnard School District calendar.

Term of the agreement: July 1, 2016 through June 30, 2017

**Agreement needs to be ratified because District did not receive the contract documents from CDE until after the deadline for the June 22, 2016 Board meeting.*

FISCAL IMPACT:

\$1,196,273.00 funding to the Oxnard School District to operate State Preschool Program.

RECOMMENDATION:

It is the recommendation of the Director, Curriculum, Instruction & Accountability, and the Assistant Superintendent, Educational Services that the Board of Trustees ratify Agreement #16-44 with California Department of Education – Child Development Division.

ADDITIONAL MATERIAL:

Attached: Agreement #16-44, California Department of Education-Child Development Division (1 Page)
CCC-307 Contractor Certification Clauses (6 Pages)

CONTRACT CHECKLIST

Please note that every form in your package is required.

Contractor name Oxnard School District Contract # CSPP-6635

Place a check mark next to each item being returned.

- Checklist
- Two (2) signed (in **blue ink**) child care contracts with original signatures
 - Did you include your printed name, title, and address?
 - Is all of the contract language visible?
- Encumbrance page (if applicable)
 - This page is provided for funding information only and should remain unsigned by the agency.
- Contractor Certification Clauses (CCC-307)
 - Did you fill in ALL spaces?
- Federal Certifications (CO.8)
- Board resolution or minutes authorizing execution of contract (if applicable)
- Board resolution or minutes, authorizing delegation of authority (if applicable)

Mail **both** signed contracts and all completed documents *as soon as possible* to:

**Contracts, Purchasing, and Conference
Services California Department of Education
1430 N Street, Suite 1802
Sacramento, CA 95814-5901**



CALIFORNIA DEPARTMENT OF EDUCATION

1430 N Street

Sacramento, CA 95814-5901

F.Y. 16 - 17

DATE: July 01, 2016

CONTRACT NUMBER: CSPP-6635

PROGRAM TYPE: CALIFORNIA STATE PRESCHOOL PROGRAM

PROJECT NUMBER: 56-7253-00-6

LOCAL AGREEMENT FOR CHILD DEVELOPMENT SERVICES

CONTRACTOR'S NAME: OXNARD SCHOOL DISTRICT

This Agreement is entered into between the State Agency and the Contractor named above. The Contractor agrees to comply with the terms and conditions of the CURRENT APPLICATION; the GENERAL TERMS AND CONDITIONS (GTC-610)*; the STATE PRESCHOOL PROGRAM REQUIREMENTS*; the FUNDING TERMS AND CONDITIONS (FT&C)* and any subsequent changes to the FT&C*, which are by this reference made a part of this Agreement. Where the GTC-610 conflicts with either the Program Requirements or the FT&C, the Program Requirements or the FT&C will prevail.

Funding of this Agreement is contingent upon appropriation and availability of sufficient funds. This Agreement may be terminated immediately by the State if funds are not appropriated or available in amounts sufficient to fund the State's obligations under this Agreement.

The period of performance for this Agreement is July 01, 2016 through June 30, 2017. For satisfactory performance of the required services, the Contractor shall be reimbursed in accordance with the Determination of Reimbursable Amount Section of the FT&C, at a rate not to exceed \$38.53 per child per day of full-time enrollment and a Maximum Reimbursable Amount (MRA) of \$1,196,273.00.

SERVICE REQUIREMENTS

Minimum Child Days of Enrollment (CDE) Requirement 31,048.0
 Minimum Days of Operation (MDO) Requirement 180

Any provision of this Agreement found to be in violation of Federal and State statute or regulation shall be invalid, but such a finding shall not affect the remaining provisions of this Agreement.

Items shown with an Asterisk (*), are hereby incorporated by this reference and made part of this Agreement as if attached hereto. These documents can be viewed at <http://www.cde.ca.gov/fg/aa/cd/ftc2016.asp>.

| | | | | | |
|---|--|--|-----------------------|--------------------------|--|
| STATE OF CALIFORNIA | | CONTRACTOR | | | |
| BY (AUTHORIZED SIGNATURE) | | BY (AUTHORIZED SIGNATURE) | | | |
| PRINTED NAME OF PERSON SIGNING Sueshil Chandra, Manager | | PRINTED NAME AND TITLE OF PERSON SIGNING Lisa Franz, Director of Purchasing | | | |
| TITLE Contracts, Purchasing and Conference Services | | ADDRESS 1051 South A Street, Oxnard, CA 93030 | | | |
| AMOUNT ENCUMBERED BY THIS DOCUMENT \$ 1,196,273 | PROGRAM/CATEGORY (CODE AND TITLE) Child Development Programs (OPTIONAL USE) 0656 23038-7253 | | FUND TITLE General | | Department of General Services use only |
| PRIOR AMOUNT ENCUMBERED FOR THIS CONTRACT \$ 0 | ITEM 30.10.010. 6100-196-0001 | CHAPTER B/A | STATUTE 2016 | FISCAL YEAR 2016-2017 | |
| TOTAL AMOUNT ENCUMBERED TO DATE \$ 1,196,273 | OBJECT OF EXPENDITURE (CODE AND TITLE) 702 SACS: Res-6105 Rev-8590 | | | | |
| I hereby certify upon my own personal knowledge that budgeted funds are available for the period and purpose of the expenditure stated above. | | T.B.A. NO. | B.R. NO. | | |
| SIGNATURE OF ACCOUNTING OFFICER | | DATE | | | |

CCC-307

CERTIFICATION

I, the official named below, CERTIFY UNDER PENALTY OF PERJURY that I am duly authorized to legally bind the prospective Contractor to the clause(s) listed below. This certification is made under the laws of the State of California.

| | | |
|--|--|---|
| <i>Contractor/Bidder Firm Name (Printed)</i> Oxnard School District | | <i>Federal ID Number</i> 95-6002318 |
| <i>By (Authorized Signature)</i> | | |
| <i>Printed Name and Title of Person Signing</i> Lisa Franz, Director of Purchasing | | |
| <i>Date Executed</i> | <i>Executed in the County of</i> Ventura | |

CONTRACTOR CERTIFICATION CLAUSES

1. **STATEMENT OF COMPLIANCE:** Contractor has, unless exempted, complied with the nondiscrimination program requirements. (Gov. Code §12990 (a-f) and CCR, Title 2, Section 8103) (Not applicable to public entities.)

2. **DRUG-FREE WORKPLACE REQUIREMENTS:** Contractor will comply with the requirements of the Drug-Free Workplace Act of 1990 and will provide a drug-free workplace by taking the following actions:

- a. Publish a statement notifying employees that unlawful manufacture, distribution, dispensation, possession or use of a controlled substance is prohibited and specifying actions to be taken against employees for violations.
- b. Establish a Drug-Free Awareness Program to inform employees about:
 - 1) the dangers of drug abuse in the workplace;
 - 2) the person's or organization's policy of maintaining a drug-free workplace;
 - 3) any available counseling, rehabilitation and employee assistance programs; and,
 - 4) penalties that may be imposed upon employees for drug abuse violations.
- c. Every employee who works on the proposed Agreement will:
 - 1) receive a copy of the company's drug-free workplace policy statement; and,
 - 2) agree to abide by the terms of the company's statement as a condition of employment on the Agreement.

Failure to comply with these requirements may result in suspension of payments

under the Agreement or termination of the Agreement or both and Contractor may be ineligible for award of any future State agreements if the department determines that any of the following has occurred: the Contractor has made false certification, or violated the certification by failing to carry out the requirements as noted above. (Gov. Code §8350 et seq.)

3. NATIONAL LABOR RELATIONS BOARD CERTIFICATION: Contractor certifies that no more than one (1) final unappealable finding of contempt of court by a Federal court has been issued against Contractor within the immediately preceding two-year period because of Contractor's failure to comply with an order of a Federal court, which orders Contractor to comply with an order of the National Labor Relations Board. (Pub. Contract Code §10296) (Not applicable to public entities.)

4. CONTRACTS FOR LEGAL SERVICES \$50,000 OR MORE- PRO BONO REQUIREMENT: Contractor hereby certifies that contractor will comply with the requirements of Section 6072 of the Business and Professions Code, effective January 1, 2003.

Contractor agrees to make a good faith effort to provide a minimum number of hours of pro bono legal services during each year of the contract equal to the lessor of 30 multiplied by the number of full time attorneys in the firm's offices in the State, with the number of hours prorated on an actual day basis for any contract period of less than a full year or 10% of its contract with the State.

Failure to make a good faith effort may be cause for non-renewal of a state contract for legal services, and may be taken into account when determining the award of future contracts with the State for legal services.

5. EXPATRIATE CORPORATIONS: Contractor hereby declares that it is not an expatriate corporation or subsidiary of an expatriate corporation within the meaning of Public Contract Code Section 10286 and 10286.1, and is eligible to contract with the State of California.

6. SWEATFREE CODE OF CONDUCT:

a. All Contractors contracting for the procurement or laundering of apparel, garments or corresponding accessories, or the procurement of equipment, materials, or supplies, other than procurement related to a public works contract, declare under penalty of perjury that no apparel, garments or corresponding accessories, equipment, materials, or supplies furnished to the state pursuant to the contract have been laundered or produced in whole or in part by sweatshop labor, forced labor, convict labor, indentured labor under penal sanction, abusive forms of child labor or exploitation of children in sweatshop labor, or with the benefit of sweatshop labor, forced labor, convict labor, indentured labor under penal sanction, abusive forms of child labor or exploitation of children in sweatshop labor. The contractor further declares under penalty of perjury that they adhere to the Sweatfree Code of Conduct as set forth on the California Department of Industrial Relations website located at www.dir.ca.gov,

and Public Contract Code Section 6108.

b. The contractor agrees to cooperate fully in providing reasonable access to the contractor's records, documents, agents or employees, or premises if reasonably required by authorized officials of the contracting agency, the Department of Industrial Relations, or the Department of Justice to determine the contractor's compliance with the requirements under paragraph (a).

7. DOMESTIC PARTNERS: For contracts over \$100,000 executed or amended after January 1, 2007, the contractor certifies that contractor is in compliance with Public Contract Code section 10295.3.

DOING BUSINESS WITH THE STATE OF CALIFORNIA

The following laws apply to persons or entities doing business with the State of California.

1. CONFLICT OF INTEREST: Contractor needs to be aware of the following provisions regarding current or former state employees. If Contractor has any questions on the status of any person rendering services or involved with the Agreement, the awarding agency must be contacted immediately for clarification.

Current State Employees (Pub. Contract Code §10410):

1). No officer or employee shall engage in any employment, activity or enterprise from which the officer or employee receives compensation or has a financial interest and which is sponsored or funded by any state agency, unless the employment, activity or enterprise is required as a condition of regular state employment.

2). No officer or employee shall contract on his or her own behalf as an independent contractor with any state agency to provide goods or services.

Former State Employees (Pub. Contract Code §10411):

1). For the two-year period from the date he or she left state employment, no former state officer or employee may enter into a contract in which he or she engaged in any of the negotiations, transactions, planning, arrangements or any part of the decision-making process relevant to the contract while employed in any capacity by any state agency.

2). For the twelve-month period from the date he or she left state employment, no former state officer or employee may enter into a contract with any state agency if he or she was employed by that state agency in a policy-making position in the same general subject area as the proposed contract within the 12-month period prior to his or her leaving state service.

If Contractor violates any provisions of above paragraphs, such action by Contractor shall render this Agreement void. (Pub. Contract Code §10420)

Members of boards and commissions are exempt from this section if they do not receive payment other than payment of each meeting of the board or commission, payment for

preparatory time and payment for per diem. (Pub. Contract Code §10430 (e))

2. LABOR CODE/WORKERS' COMPENSATION: Contractor needs to be aware of the provisions which require every employer to be insured against liability for Worker's Compensation or to undertake self-insurance in accordance with the provisions, and Contractor affirms to comply with such provisions before commencing the performance of the work of this Agreement. (Labor Code Section 3700)

3. AMERICANS WITH DISABILITIES ACT: Contractor assures the State that it complies with the Americans with Disabilities Act (ADA) of 1990, which prohibits discrimination on the basis of disability, as well as all applicable regulations and guidelines issued pursuant to the ADA. (42 U.S.C. 12101 et seq.)

4. CONTRACTOR NAME CHANGE: An amendment is required to change the Contractor's name as listed on this Agreement. Upon receipt of legal documentation of the name change the State will process the amendment. Payment of invoices presented with a new name cannot be paid prior to approval of said amendment.

5. CORPORATE QUALIFICATIONS TO DO BUSINESS IN CALIFORNIA:

a. When agreements are to be performed in the state by corporations, the contracting agencies will be verifying that the contractor is currently qualified to do business in California in order to ensure that all obligations due to the state are fulfilled.

b. "Doing business" is defined in R&TC Section 23101 as actively engaging in any transaction for the purpose of financial or pecuniary gain or profit. Although there are some statutory exceptions to taxation, rarely will a corporate contractor performing within the state not be subject to the franchise tax.

c. Both domestic and foreign corporations (those incorporated outside of California) must be in good standing in order to be qualified to do business in California. Agencies will determine whether a corporation is in good standing by calling the Office of the Secretary of State.

6. RESOLUTION: A county, city, district, or other local public body must provide the State with a copy of a resolution, order, motion, or ordinance of the local governing body which by law has authority to enter into an agreement, authorizing execution of the agreement.

7. AIR OR WATER POLLUTION VIOLATION: Under the State laws, the Contractor shall not be: (1) in violation of any order or resolution not subject to review promulgated by the State Air Resources Board or an air pollution control district; (2) subject to cease and desist order not subject to review issued pursuant to Section 13301 of the Water Code for violation of waste discharge requirements or discharge prohibitions; or (3) finally determined to be in violation of provisions of federal law relating to air or water pollution.

8. PAYEE DATA RECORD FORM STD. 204: This form must be completed by all contractors that are not another state agency or other governmental entity.

CO-8 (REV. 5/07)

FEDERAL CERTIFICATIONS

CERTIFICATIONS REGARDING LOBBYING; DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS; AND DRUG-FREE WORKPLACE REQUIREMENTS

Applicants should refer to the regulations cited below to determine the certification to which they are required to attest. Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 45 CFR Part 83, "New restrictions on Lobbying," and 45 CFR Part 78, "Government-wide Debarment and Suspension (Non procurement) and Government-wide requirements for Drug-Free Workplace (Grants)." The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of Education determines to award the covered transaction, grant, or cooperative agreement.

1. LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 45 CFR Part 83, for persons entering into a grant or cooperative agreement over \$100,000 as defined at 45 CFR Part 83, Sections 83.105 and 83.110, the applicant certifies that:

(a) No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress in connection with the making of any federal grant, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal grant or cooperative agreement;

(b) If any funds other than federal appropriated funds have been or will be paid to any person for influencing or attempting to influence an employee of Congress, or any employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the undersigned shall complete and submit Standard Form -LLL, "Disclosure Form to Report Lobbying," in accordance with this instruction;

(c) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subgrants, contracts under grants and cooperative agreements, and subcontracts) and that all subrecipients shall certify and disclose accordingly.

2. DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS

As required by executive Order 12549, Debarment and Suspension, and other responsibilities implemented at 45 CFR Part 78, for prospective participants in primary or a lower tier covered transactions, as defined at 45 CFR Part 78, Sections 78.105 and 78.110.

A. The applicant certifies that it and its principals:

(a) Are not presently debarred, suspended proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;

(b) Have not within a three-year period preceding this application been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) transaction or contract under a public transaction violation of federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, state, or local) with commission of any of the offenses enumerated in paragraph (1) (b) of this certification; and

(d) Have not within a three-year period preceding this application had one or more public transactions (federal, state, or local) terminated for cause or default; and

B. Where the applicant is unable to certify to any of the statements in this certification, he or she shall attach an explanation to this application.

3. DRUG-FREE WORKPLACE (GRANTEES OTHER THAN INDIVIDUALS)

As required by the Drug-Free Workplace Act of 1988, and implemented at 45 CFR Part 76, Subpart F, for grantees, as defined at 45 CFR Part 76, Sections 76.805 and 76.810-

A. The applicant certifies that it will or will continue to provide a drug-free workplace by:

(a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition.

(b) Establishing an on-going drug-free awareness program to inform employees about-

(1) The danger of drug abuse in the workplace;

(2) The grantee's policy of maintaining a drug-free workplace;

(3) Any available drug counseling, rehabilitation, and employee assistance programs; and

(4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;

(c) Making it a requirement that each employee to be engaged in performance of the grant be given a copy of the statement required by paragraph (a);

(d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will -

(1) Abide by the terms of the statement; and

(2) Notify the employer in writing of his or her conviction for a violation;

(e) Notifying the agency, in writing, within 10 calendar days after receiving notice under subparagraph (d) (2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title,

to: Director, Grants, and Contracts Service, U.S. Department of Education, 400 Maryland Avenue, S.W., (Room 3124, GSA Regional Office Building No. 3), Washington, DC 20202-4571.

Notice shall include the identification number(s) of each affected grant:

(f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d) (2), with respect to any employee who is so convicted:

(1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or

(2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a federal, state, or local health, law enforcement, or other appropriate agency.

(g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a), (b), (c), (d), (e), and (f).

B. The grantee shall insert in the space provided below the site(s) for the performance of work done in connection with the specific grant.

Place of Performance (Street address, city, county, state, zip code)

Elementary Schools at Drifill, Elm, McKinna, Ritche
 San Miguel, and Sierra Linda

Check [] if there are workplaces on file that are not identified here.

**DRUG-FREE WORKPLACE
 (GRANTEES WHO ARE INDIVIDUALS)**

As required by the Drug-Free Workplace Act of 1988, and implemented at 45 CFR Part 76, Subpart F, for grantees, as defined at 45 CFR Part 76, Sections 76.805 and 76.610-

a. As a condition of the grant, I certify that I will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant, and

b. If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, I will report the conviction, in writing, within 10 calendar days of the conviction, to: Director, Grants and contracts Service, U.S. department of Education, 400 Maryland Avenue, S.W. (Room 3124, GSA Regional Office Building No. 3) Washington, DC 20202-4571. Notice shall include the identification numbers(s) of each affected grant.

ENVIRONMENTAL TOBACCO SMOKE ACT

As required by the Pro-Children Act of 1994, (also known as Environmental Tobacco Smoke), and implemented at Public Law 103-277, Part C requires that:

The applicant certifies that smoking is not permitted in any portion of any indoor facility owned or leased or contracted and used routinely or regularly for the provision of health care services, day care, and education to children under the age of 18. Failure to comply with the provisions of this law may result in the imposition of a civil monetary penalty of up to \$1,000 per day. (The law does not apply to children's services provided in private residence, facilities funded solely by Medicare or Medicaid funds, and portions of facilities used for in-patient drug and alcohol treatment.)

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above certifications.

| | |
|---|----------------------|
| NAME OF APPLICANT (CONTRACTOR) | CONTRACT # CSPP-6635 |
| PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE Lisa Franz, Director of Purchasing | |
| SIGNATURE | DATE |

BOARD AGENDA ITEM

Name of Contributor(s): Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____

CLOSED SESSION _____

SECTION B: HEARINGS _____

SECTION C: CONSENT X

SECTION D: ACTION _____

SECTION E: REPORTS/DISCUSSION _____

SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Ratification of Agreement/MOU #16-62, Ventura Unified School District (Freeman)

This Agreement/MOU explains and confirms the agreement between the Ventura Unified School District as the Local Education Agency for the Ventura County Indian Education Consortium, and the Oxnard School District.

The federal guidelines for identification of student funding for Indian Education has changed, and therefore, the number of students who can be served in the program has also changed. Oxnard School District has 16 students for whom federal funds will be received by the Ventura County Indian Education Consortium for the 2016-17 school year. In order to continue to provide the services as outlined in the Agreement/MOU, Oxnard School District is required to match the amount of federal funds provided.

FISCAL IMPACT:

\$3,181.28 (matching funds) - Title I

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Educational Services, that the Board of Trustees ratify Agreement/MOU #16-62 with the Ventura Unified School District.

ADDITIONAL MATERIAL(S):

Attached: Agreement/MOU #16-62, Ventura Unified School District (3 Pages)

MEMORANDUM OF UNDERSTANDING – 2016-17
Ventura County Indian Education Consortium

This Memorandum of Understanding (MOU) explains and confirms the agreements between the Ventura Unified School District as the Local Education Agency for the Ventura County Indian Education Consortium (Provider) and the **Oxnard [REDACTED] School District** (Partner School)

Memorandum of Understanding Purpose:

The purpose of this MOU is to create and confirm an effective working relationship between the Partner District, **Oxnard [REDACTED] District**, and the Ventura Unified School District (VUSD). This MOU also provides the means by which VUSD and the Partner District will maintain a collaborative relationship to ensure inter-agency services to Partner District students and families.

Memorandum of Understanding Timeline:

This MOU is effective July 1, 2016 and will extend through June 30, 2017.

Memorandum of Understanding and Description of Services:

Partner District agrees to the following:

1. Serve as a consortium partner to raise awareness regarding Indian Education.
2. Assist in the recruitment of eligible Indian Education students through existing district means of communication.
3. Confirm student enrollment for annual Title VII grant submission of student count.
4. Identify district and site contact personnel to facilitate communication with the VC Indian Education Consortium as required.
5. Provide classroom space or other school facilities to accommodate Indian Education lessons.
6. Be responsible for safeguarding participant information in compliance with Title 42 Code of Federal Regulations, Part 2.
7. Inform VUSD of changes in schedule and student participation.
8. Work with the VUSD staff as needed.
9. Pay to VUSD the cost of district-supported services as stated in this agreement.

VUSD (Provider) agrees to the following:

1. Serve as Local Education Agency for Title VII Ventura County Indian Education Consortium.
2. Hire all employees to provide Indian Education services.
3. Provide basic services to eligible Indian Education students including:
 - a) Indian Education Parent Advisory Committee
 - b) Indian Education enrollment and verification support
 - c) Indian Education Annual Honoring Ceremony
 - d) Indian Education teaching resources/lending library

- e) Indian Education teacher workshops to introduce teaching resources and annual curriculum theme. The theme for 2016 – 17 is “An In-Depth Study of the Chumash People”.
- 4. Provide services at Partner District schools through the district-supported format to include:
 - a) Individual/small group lessons to support cultural identity and awareness for eligible Native American students (as in the past); or
 - b) Classroom presentations on Native American themes (to include classmates of identified students).
- 5. Ensure that VUSD employees have received adequate training in the services being provided, and appropriate licenses/certificates are in current standing.
- 6. Ensure that VUSD employees have completed an appropriate background check, including fingerprinting/live scan as described below.

Both the Partner District and VUSD representatives of the VC Indian Education Consortium will agree on all elements of any program prior to implementation. Any potential funding issues that are not cost neutral are required to be approved by the VUSD District Office Administration prior to program implementation.

Payment of Funds to VUSD for VC Indian Education Consortium Services:

The Partner District, Oxnard [REDACTED] School District, agrees to pay \$3,181.28 to VUSD for Indian Education services provided during the 2016-17 school year. Payment to VUSD will be due upon receipt of an invoice from VUSD.

Indemnification:

The Partner District shall save, defend, hold harmless and indemnify VUSD (its employees, volunteers, officers, directors and agents), from and against any and all losses, damages, liabilities, claims, and costs of whatsoever kind and nature for injury to or death of any person and for loss or damage to any property arising from all acts or omissions to act of the Partner District or its board members, officers, employees, volunteers or agents occurring in connection with or in any way incident to or arising out of this Agreement except for liability resulting from the active negligence, sole negligence or willful misconduct of VUSD.

VUSD shall save, defend, hold harmless and indemnify the Partner District (District, board members, employees, volunteers and agents), from and against any and all losses, damages, liabilities, claims, and costs of whatsoever kind and nature for injury to or death of any person and for loss or damage to any property arising from all acts or omissions to act of Provider or its employees, volunteers, officers, directors or agents occurring in connection with or in any way incident to or arising out of this Agreement except for liability resulting from the active negligence, sole negligence or willful misconduct of the Partner District.

Cancellation:

This MOU may be cancelled by either party upon 30 days written notice.

Signatures:

Partner District: Oxnard [REDACTED] School District

Authorized District Representative: Lisa A. Franz

Signature: _____

Title: Director, Purchasing

Date: _____

PROVIDER: Ventura Unified School District

Authorized Representative: _____

Signature: _____

Title: _____

Date: _____

BOARD AGENDA ITEM

NAME OF CONTRIBUTOR: Robin Freeman

DATE OF MEETING: 8/3/16

STUDY SESSION _____

CLOSED SESSION _____

SECTION B: HEARINGS _____

SECTION C: CONSENT **X**

SECTION D: ACTION _____

SECTION E: REPORTS/DISCUSSION _____

SECTION F: BOARD POLICIES

1st Reading _____ 2nd Reading _____

Ratification of Agreement #16-70 – Martha Tureen (Freeman/Thomas)

Ms. Tureen will provide assistance with gathering, organizing and submitting required documents for FPM Review.

FISCAL IMPACT:

Total not to exceed \$4,000.00 – General Fund

RECOMMENDATION:

It is recommended by the Director, Curriculum, Instruction & Accountability, and the Assistant Superintendent, Educational Services, that the Board of Trustees ratify Agreement #16-70 with Martha Tureen.

ADDITIONAL MATERIALS:

Attached: #16-70, Martha Tureen (13 Pages)

OXNARD SCHOOL DISTRICT

Agreement #16-70

AGREEMENT FOR CONSULTANT SERVICES

This Agreement for Consultant Services (“Agreement”) is entered into as of this 3rd day of August, 2016 by and between the Oxnard School District (“District”) and Martha Tureen (“Consultant”). District and Consultant are sometimes hereinafter individually referred to as “Party” and hereinafter collectively referred to as the “Parties.”

RECITALS

- A. District is authorized by *California Government Code* Section 53060, and Board Policy 4368, to contract with independent contractors for the furnishing of services concerning financial, economic, accounting, engineering, legal, administrative and other matters. District has sought, by issuance of a Request for Proposals or Invitation for Bids, the performance of the Services, as defined and described particularly on Exhibit A, attached to this Agreement.
- B. Following submission of a proposal or bid for the performance of the Services, Consultant was selected by the District to perform the Services.
- C. The Parties desire to formalize the selection of Consultant for performance of the Services and desire that the terms of that performance be as particularly defined and described herein.

OPERATIVE PROVISIONS

NOW, THEREFORE, in consideration of the mutual promises and covenants made by the Parties and contained here and other consideration, the value and adequacy of which are hereby acknowledged, the parties agree as follows:

- Incorporation of Recitals and Exhibits.** The Recitals set forth above and all exhibits attached to this Agreement, as hereafter amended, are incorporated by this reference as if fully set forth herein.
- Term of Agreement.** Subject to earlier termination as provided below, this Agreement shall remain in effect from **July 1, 2016** through **October 31, 2016** (the “Term”). This Agreement may be extended only by amendment, signed by the Parties, prior to the expiration of the Term.
- Time for Performance.** The scope of services set forth in Exhibit A shall be completed during the Term pursuant to the schedule specified Exhibit A. Should the scope of services not be completed pursuant to that schedule, the Consultant shall be deemed to be in Default as provided below. The District, in its sole discretion, may choose not to enforce the Default provisions of this Agreement and may instead allow Consultant to continue performing the Services.
- Compensation and Method of Payment.** Subject to any limitations set forth below or elsewhere in this Agreement, District agrees to pay Consultant the amounts specified in Exhibit B “Compensation”. The total compensation, including reimbursement for actual expenses, shall not exceed Four Thousand Dollars (\$4,000.00), unless additional compensation is approved in writing by the District.

- a. Each month Consultant shall furnish to District an original invoice for all work performed and expenses incurred during the preceding month. The invoice shall detail charges by the following categories: labor (by sub-category), travel, materials, equipment, supplies, and sub-consultant contracts. Sub-consultant charges, if any, shall be detailed by the following categories: labor, travel, materials, equipment and supplies. District shall independently review each invoice submitted by the Consultant to determine whether the work performed and expenses incurred are in compliance with the provisions of this Agreement. In the event that no charges or expenses are disputed, the invoice shall be approved and paid according to the terms set forth in subsection b. In the event any charges or expenses are disputed by District, the original invoice shall be returned by District to Consultant for correction and resubmission.
- b. Except as to any charges for work performed or expenses incurred by Consultant which are disputed by District, District will use its best efforts to cause Consultant to be paid within forty-five (45) days of receipt of Consultant's correct and undisputed invoice.
- c. Payment to Consultant for work performed pursuant to this Agreement shall not be deemed to waive any defects in work performed by Consultant.

5. **Termination.** This Agreement may be terminated at any time by mutual agreement of the Parties or by either Party as follows:

- a. District may terminate this Agreement, with or without cause, at any time by giving thirty (30) days written notice of termination to Consultant. In the event such notice is given, Consultant shall cease immediately all work in progress; or
- b. Consultant may terminate this Agreement for cause at any time upon thirty (30) days written notice of termination to District.

6. **Inspection and Final Acceptance.** District may, at its discretion, inspect and accept or reject any of Consultant's work under this Agreement, either during performance or when within sixty (60) days after submitted to District. If District does not reject work by a timely written explanation, Consultant's work shall be deemed to have been accepted. District's acceptance shall be conclusive as to such work except with respect to latent defects, fraud and such gross mistakes as amount to fraud. Acceptance of any of Consultant's work by District shall not constitute a waiver of any of the provisions of this Agreement including, but not limited to indemnification and insurance provisions.

7. **Default.** Failure of Consultant to perform any Services or comply with any provisions of this Agreement may constitute a default. The District may give notice to Consultant of the default and the reasons for the default. District shall not have any obligation or duty to continue compensating Consultant for any work performed after the date of the notice until the default is cured. The notice shall include the timeframe in which Consultant may cure the default. This timeframe is presumptively thirty (30) days, but may be extended, though not reduced, at the discretion of the District. During the period of time that Consultant is in default, the District shall hold all invoices and shall, when the default is cured, proceed with payment on the invoices. In the alternative, the District may, in its sole discretion, elect to pay some or all of the outstanding invoices during the period of default. If Consultant does not cure the default, the District may terminate this Agreement as provided above. Any failure on the part of the District to give notice of the Consultant's default shall not be deemed to result in a waiver of the District's legal rights or any rights arising out of any provision of this Agreement.

8. **Ownership of Documents.** All maps, models, designs, drawings, photographs, studies, surveys, reports, data, notes, computer files, files and other documents prepared, developed or discovered by Consultant in the course of providing any services pursuant to this Agreement (collectively and individually, the "Documents") shall

become the sole property of District and may be used, reused or otherwise disposed of by District without the permission of the Consultant. Upon completion, expiration or termination of this Agreement, Consultant shall turn over to District all such Documents.

9. **Use of Documents by District.** If and to the extent that District utilizes for any purpose not related to this Agreement any Documents, Consultant's guarantees and warrants related to Standard of Performance under this Agreement shall not extend to such use of the Documents.

10. **Consultant's Books and Records.** Consultant shall maintain any and all documents and records demonstrating or relating to Consultant's performance of services pursuant to this Agreement for a minimum of three years after termination or expiration of this Agreement, or longer if required by law.

- a. Consultant shall maintain any and all ledgers, books of account, invoices, vouchers, canceled checks, or other documents or records evidencing or relating to work, services, expenditures and disbursements charged to District pursuant to this Agreement for a minimum of three years, or longer if required by law, all in accordance with generally accepted accounting principles and with sufficient detail so as to permit an accurate evaluation of the services provided by Consultant pursuant to this Agreement.
- b. Any and all such records or documents shall be made available for inspection, audit and copying, at any time during regular business hours, upon request by District or its designated representative. Copies of such documents or records shall be provided directly to the District for inspection, audit and copying when it is practical to do so; otherwise, unless an alternative is mutually agreed upon, such documents and records shall be made available at Consultant's address indicated for receipt of notices in this Agreement.
- c. District has the right to acquire custody of such records by written request if Consultant decides to dissolve or terminate its business. Consultant shall deliver or cause to be delivered all such records and documents to District within sixty (60) days of receipt of the request.

11. **Independent Contractor.** Consultant is and shall at all times remain a wholly independent contractor and not an officer, employee or agent of District.

- a. The personnel performing the services under this Agreement on behalf of Consultant shall at all times be under Consultant's exclusive direction and control. Consultant, its agents or employees shall not at any time or in any manner represent that Consultant or any of Consultant's officers, employees, or agents are in any manner officials, officers, employees or agents of District. Neither Consultant, nor any of Consultant's officers, employees or agents, shall, by virtue of services rendered under this Agreement, obtain any rights to retirement, health care or any other benefits which may otherwise accrue to District's employees. Consultant will be responsible for payment of all Consultant's employees' wages, payroll taxes, employee benefits and any amounts due for federal and state income taxes and Social Security taxes since these taxes will not be withheld from payment under this agreement.
- b. Consultant shall have no authority to bind District in any manner, or to incur any obligation, debt or liability of any kind on behalf of or against District, whether by contract or otherwise, unless such authority is expressly conferred in writing by District, or under this Agreement.

12. **Standard of Performance.** Consultant represents and warrants that it has the qualifications, experience and facilities necessary to properly perform the services required under this Agreement in a thorough, competent and professional manner. Consultant shall at all times faithfully, competently and to the best of its ability, experience and talent, perform all services described herein. In meeting its obligations under this Agreement,

Consultant shall employ, at a minimum, generally accepted standards and practices utilized by persons engaged in providing services similar to those required of Consultant under this Agreement.

13. **Confidential Information.** All information gained during performance of the Services and all Documents or other work product produced by Consultant in performance of this Agreement shall be considered confidential. Consultant shall not release or disclose any such information, Documents or work product to persons or entities other than District without prior written authorization from the Superintendent of the District, except as may be required by law.

- a. Consultant shall promptly notify District if it is served with any summons, complaint, subpoena or other discovery request, court order or other request from any party regarding this Agreement or the work performed hereunder.
- b. District retains the right, but has no obligation, to represent Consultant or be present at any deposition, hearing or similar proceeding. Consultant agrees to cooperate fully with District and to provide District with the opportunity to review any response to discovery requests provided by Consultant; provided that this does not imply or mean the right by District to control, direct, or rewrite said response.

14. **Conflict of Interest; Disclosure of Interest.** Consultant covenants that neither it, nor any officer or principal of its firm, has or shall acquire any interest, directly or indirectly, which would conflict in any manner with the interests of District or which would in any way hinder Consultant's performance of services under this Agreement. Consultant further covenants that in the performance of this Agreement, no person having any such interest shall be employed by it as an officer, employee, agent or subcontractor without the express written consent of the District.

- a. Consultant agrees to at all times avoid conflicts of interest or the appearance of any conflicts of interest with the interests of District in the performance of this Agreement.
- b. Bylaws of the Board 9270 BB and 9270(BB) E, as hereinafter amended or renumbered, require that a Consultant that qualifies as a "designated employee" must disclose certain financial interests by filing financial interest disclosures. By its initials below, Consultant represents that it has received and reviewed a copy of the Bylaws of the Board 9270 BB and 9270(BB) E and that it [____] does [X] does not qualify as a "designated employee".

_____ (Initials)

- c. Consultant agrees to notify the Superintendent, in writing, if Consultant believes that it is a "designate employee" and should be filing financial interest disclosures, but has not been required to do so by the District.

_____ (Initials)

15. **Compliance with Applicable Laws.** In connection with the Services and its operations, Consultant shall keep itself informed of and comply with all applicable federal, state and local laws, statutes, codes, ordinances, regulations and rules including, but not limited to, minimum wages and/or prohibitions against discrimination, in effect during the Term. Consultant shall obtain any and all licenses, permits and authorizations necessary to perform the Services. Neither District, nor any elected or appointed boards, officers, officials, employees or agents of District shall be liable, at law or in equity, as a result of any failure of Consultant to comply with this section.

- a. Without limiting the generality of the foregoing, Consultant shall comply with any applicable fingerprinting requirements as set forth in the Education Code of the State of California.

_____ (Initials)

16. **Unauthorized Aliens.** Consultant hereby promises and agrees to comply with all of the provisions of the Federal Immigration and Nationality Act, 8 U.S.C.A. §§ 1101, et seq., as amended, and in connection therewith, shall not employ “unauthorized aliens” as that term is defined in 8 U.S.C.A. §1324a(h)(3). Should Consultant so employ such individuals for the performance of work and/or services covered by this Agreement, and should any liability or sanctions be imposed against District for such employment, Consultant hereby agrees to and shall reimburse District for the cost of all such liabilities or sanctions imposed, together with any and all costs, including attorneys' fees, incurred by District.

17. **Non-Discrimination.** Consultant shall abide by the applicable provisions of the United States Civil Rights Act of 1964 and other provisions of law prohibiting discrimination and shall not discriminate, in any way, against any person on the basis of race, color, religious creed, national origin, ancestry, sex, age, physical handicap, medical condition or marital status in connection with or related to the performance of this Agreement.

18. **Assignment.** The expertise and experience of Consultant are material considerations for this Agreement. District has an interest in the qualifications of and capability of the persons and entities that will fulfill the duties and obligations imposed upon Consultant under this Agreement. In recognition of that interest, Consultant shall not assign or transfer this Agreement or any portion of this Agreement or the performance of any of Consultant’s duties or obligations under this Agreement without the prior written consent of the Board of Directors of the District. Any attempted assignment shall be ineffective, null and void, and shall constitute a material breach of this Agreement entitling District to any and all remedies at law or in equity, including summary termination of this Agreement.

19. **Subcontracting.** Notwithstanding the above, Consultant may utilize subcontractors in the performance of its duties pursuant to this Agreement, but only with the prior written consent of the District. The Consultant shall be as fully responsible to the District for the acts and omissions of his Subcontractors, and of persons either directly or indirectly employed by him/her, as if the acts and omissions were performed by him/her directly.

20. **Continuity of Personnel.** Consultant shall make every reasonable effort to maintain the stability and continuity of Consultant’s staff and subcontractors, if any, assigned to perform the services required under this Agreement.

- a. Consultant shall insure that District has a current list of all personnel and sub-contractors providing services under this Agreement.
- b. Consultant shall notify District of any changes in Consultant’s staff and subcontractors, if any, assigned to perform the services required under this Agreement, prior to and during any such performance. The list notice shall include the following information: (1) all full or part-time staff positions by title, including volunteer positions whose direct services are required to provide the services described herein; (2) a brief description of the functions of each such position and the hours each position works each week or, for part-time positions, each day or month, as appropriate; (3) the professional degree, if applicable, and experience required for each position; and (4) the name of the person responsible for fulfilling the terms of this Agreement.

21. **Indemnification.**

- a. Consultant agrees to defend, indemnify, and hold harmless District, its officers, agents, employees, and/or volunteers from any and all claims, demands, losses, damages and expenses, including legal fees and costs, or other obligations or claims arising out of any liability or damage to property, or any other loss, sustained or claimed to have been sustained arising out of activities of the Consultant or those of any of Consultant’s officers, agents, employees, or subcontractors, whether such act or omission is authorized by this Agreement or not. Consultant shall also pay for any and all damage to the Property of the District, or loss or theft of such Property, done or caused by such persons. District

assumes no responsibility whatsoever for any property placed on district premises. Consultant further agrees to waive all rights of subrogation against the District. The provisions of this Agreement do not apply to any damage or losses caused solely by the negligence of the District or any of its officers, agents, employees, and/or volunteers.

_____ (Initials)

- b. The provisions of this section do not apply to claims occurring as a result of District's sole negligence or willful acts or omissions.

22. **Insurance.** Consultant agrees to obtain and maintain in full force and effect during the term of this Agreement the insurance policies set forth in **Exhibit C** "Insurance" and made a part of this Agreement. All insurance policies shall be subject to approval by District as to form and content. These requirements are subject to amendment or waiver if so approved in writing by the District Superintendent. Consultant agrees to provide District with copies of required policies upon request.

23. **Notices.** All notices required or permitted to be given under this Agreement shall be in writing and shall be personally delivered, or sent by telecopier or certified mail, postage prepaid and return receipt requested, addressed as follows:

To District: Oxnard School District
 1051 South A Street
 Oxnard, California, 93030
 Attention: Robin Freeman
 Phone: 805.385.1501 x2301
 Fax: 805.486.7358

To Consultant: Martha Tureen
 639 Fourth Street
 Fillmore, CA 93015
 Phone: 805.625.0824
 Fax:

Notice shall be deemed effective on the date personally delivered or transmitted by facsimile (provided confirmation of successful facsimile transmission shall be retained) or, if mailed, three (3) days after deposit of the same in the custody of the United States Postal Service.

24. **Excusable Delays.** Consultant shall not be liable for damages, including liquidated damages, if any, caused by delay in performance or failure to perform due to causes beyond the control of Consultant. Such causes include, but are not limited to, acts of God, acts of the public enemy, acts of federal, state or local governments, acts of District, court orders, fires, floods, epidemics, strikes, embargoes, and unusually severe weather. The term and price of this Agreement shall be equitably adjusted for any delays due to such causes.

25. **Authority to Execute.** The person or persons executing this Agreement on behalf of Consultant represents and warrants that he/she/they has/have the authority to so execute this Agreement and to bind Consultant to the performance of its obligations hereunder.

26. **Administration.** **ROBIN FREEMAN** shall be in charge of administering this Agreement on behalf of the District. The Administrator has completed **Exhibit D** "Conflict of Interest Check" attached hereto.

27. **Binding Effect.** This Agreement shall be binding upon the heirs, executors, administrators, successors and assigns of the parties.
28. **Entire Agreement.** This Agreement and the exhibits and documents incorporated herein constitute the entire agreement and understanding between the parties in connection with the matters covered herein.
29. **Amendment.** No amendment to or modification of this Agreement shall be valid or binding unless made in writing by the Consultant and by the District. The parties agree that this requirement for written modifications cannot be waived and that any attempted waiver shall be void.
30. **Waiver.** Waiver by any party to this Agreement of any term, condition, or covenant of this Agreement shall not constitute a waiver of any other term, condition, or covenant. Waiver by any party of any breach of the provisions of this Agreement shall not constitute a waiver of any other provision or a waiver of any subsequent breach or violation of any provision of this Agreement. Acceptance by District of any work or services by Consultant shall not constitute a waiver of any of the provisions of this Agreement.
31. **Governing Law.** This Agreement shall be interpreted, construed and governed according to the laws of the State of California. In the event of litigation between the parties, venue in state trial courts shall lie exclusively in the County of Ventura, California.
32. **Arbitration.** Any dispute arising out of the performance of this Agreement shall be resolved by binding arbitration in accordance with rules and procedures of the American Arbitration Association.
33. **Severability.** If any term, condition or covenant of this Agreement is declared or determined by any court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions of this Agreement shall not be affected thereby and the Agreement shall be read and construed without the invalid, void or unenforceable provision(s).

[THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, the District and Consultant have executed and delivered this agreement for consultant services as of the date first written above.

OXNARD SCHOOL DISTRICT:

MARTHA TUREEN:

Signature

Signature

Lisa A. Franz, Director, Purchasing

Typed Name/Title

Typed Name/Title

Date

Date

Tax Identification Number: 95-6002318

Tax Identification Number: _____

- Not Project Related
- Project #16-70

EXHIBIT A
TO AGREEMENT FOR CONSULTANT SERVICES #16-70

SERVICES

I. Consultant will perform the following Services under the Captioned Agreement:

Consultant will provide assistance with gathering, organizing, and submitting required documents for FPM Review.

II. As part of the Services, Consultant will prepare and deliver the following tangible work products to the District:
 N/A

III. During performance of the Services, Consultant will keep the District appraised of the status of performance by delivering the following status reports under the indicated schedule:

| STATUS REPORT FOR ACTIVITY: | DUE DATE |
|------------------------------------|-----------------|
| A. N/S | |
| B. N/A | |
| C. N/A | |
| D. N/A | |

V. Consultant will utilize the following personnel to accomplish the Services:

- None.
- See attached list.

VI. Consultant will utilize the following subcontractors to accomplish the Services (check one):

- None.
- See attached list.

VII. AMENDMENT

The Scope of Services, including services, work product, and personnel, are subject to change by mutual Agreement. In the absence of mutual Agreement regarding the need to change any aspects of performance, Consultant shall comply with the Scope of Services as indicated above

- Not Project Related
 Project #16-70

EXHIBIT B
TO AGREEMENT FOR CONSULTANT SERVICES #16-70

COMPENSATION

I. Consultant shall use the following rates of pay in the performance of the Services:

Total compensation not to exceed \$4,000.00

II. Consultant may utilize subcontractors as indicated in this Agreement. The hourly rate for any subcontractor is not to exceed \$0.00 per hour without written authorization from the District Superintendent or his designee.

III. The District will compensate Consultant for the Services performed upon submission of a valid invoice. Each invoice is to include:

- A. Line items for all personnel describing the work performed, the number of hours worked, and the Hourly or flat rate.
- B. Line items for all supplies properly charged to the Services.
- C. Line items for all travel properly charged to the Services.
- D. Line items for all equipment properly charged to the Services.
- E. Line items for all materials properly charged to the Services.
- F. Line items for all subcontractor labor, supplies, equipment, materials, and travel properly charged to the Services.

IV. The total compensation for the Services shall not exceed \$4,000.00, as provided in Section 4 of this Agreement.

Not Project Related

Project #

~~**EXHIBIT C**~~
~~**TO AGREEMENT FOR CONSULTANT SERVICES #16-70**~~

~~**INSURANCE**~~

~~I. Insurance Requirements. Consultant shall provide and maintain insurance, acceptable to the District Superintendent or District Counsel, in full force and effect throughout the term of this Agreement, against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by Consultant, its agents, representatives or employees. Insurance is to be placed with insurers authorized to conduct business in the State of California and with a current A.M. Best's rating of no less than A, as rated by the Current edition of Best's Key Rating Guide, published by A.M. Best Company, Oldwick, New Jersey 08858. Consultant shall provide the following scope and limits of insurance:~~

~~A. Minimum Scope of Insurance. Coverage shall be at least as broad as:~~

~~(1) Commercial General Liability coverage of not less than two million dollars (\$2,000,000) Aggregate and one million dollars (\$1,000,000) per occurrence.~~

~~(2) Auto liability insurance with limits of not less than one million dollars (\$1,000,000) one hundred thousand (\$100,000)/three hundred thousand dollars (\$300,000).~~

~~(3) Insurance coverage should include:~~

- ~~1. owned, non-owned and hired vehicles;~~
- ~~2. blanket contractual;~~
- ~~3. broad form property damage;~~
- ~~4. products/completed operations; and~~
- ~~5. personal injury.~~

~~(4) Workers' Compensation insurance as required by the laws of the State of California.~~

~~(5) Abuse and Molestation coverage of not less than two million dollars (\$2,000,000) per occurrence and five million dollars (\$5,000,000) Aggregate.~~

~~(6) Professional liability (Errors and Omissions) insurance, including contractual liability, as appropriate to the Consultant's profession, in an amount of not less than the following:~~

~~Accountants, Attorneys, Education Consultants, \$1,000,000~~
~~Nurses, Therapists~~

~~Architects \$1,000,000 or \$2,000,000~~

~~Physicians and Medical Corporations \$5,000,000~~

~~**Failure to maintain professional liability insurance is a material breach of this Agreement and grounds for immediate termination**~~

~~II. Other Provisions. Insurance policies required by this Agreement shall contain the following provisions:~~

Not Project Related

Project #

~~A. All Policies. Each insurance policy required by this Agreement shall be endorsed and state the coverage shall not be suspended, voided, cancelled by the insurer or either party to this Agreement, reduced in coverage or in limits except after 30 days' prior written notice by Certified mail, return receipt requested, has been given to District~~

~~B. General Liability, Automobile Liability, and Abuse/Molestation Coverages.~~

~~(1) District, and its respective elected and appointed officers, officials, employees and volunteers are to be covered as additional insureds (collectively, "additional insureds") as respects the following: liability arising out of activities Consultant performs; products and completed operations of Consultant; premises owned, occupied or used by Consultant ; automobiles owned, leased, hired or borrowed by Consultant, and Abuse/Molestation. The coverage shall contain no special limitations on the scope of protection afforded to additional insureds.~~

~~(2) Each policy shall state that the coverage provided is primary and any insurance carried by any additional insured is in excess to and non-contributory with Consultant's insurance.~~

~~(3) Consultant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.~~

~~(4) Any failure to comply with the reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to any additional insured.~~

~~III. Other Requirements. Consultant agrees to deposit with District, at or before the effective date of this contract, certificates of insurance necessary to satisfy District that the insurance provisions of this contract have been complied with. The District may require that Consultant furnish District with copies of original endorsements effecting coverage required by this Section. The certificates and endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. District reserves the right to inspect complete, certified copies of all required insurance policies, at any time.~~

~~A. If any Services are performed by subcontractor, Consultant shall furnish certificates and endorsements from each subcontractor identical to those Consultant provides.~~

~~B. Any deductibles or self-insured retentions must be declared to and approved by District. At the option of District, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects District or its respective elected or appointed officers, officials, employees and volunteers or the Consultant shall procure a bond guaranteeing payment of losses and related investigations, claim administration, defense expenses and claims.~~

~~C. The procuring of any required policy or policies of insurance shall not be construed to limit Consultant's liability hereunder nor to fulfill the indemnification provisions and requirements of this Agreement.~~

Not Project Related

Project #

EXHIBIT D
TO AGREEMENT FOR CONSULTANT SERVICES #16-70

CONFLICT OF INTEREST CHECK

Bylaws of the Board 9270(BB)E requires that the Superintendent or a designee make a determination, on a case by case basis, concerning whether disclosure will be required from a consultant to comply with the District's Conflict of Interest Code (commencing with Bylaws of the Board 9270 BB).

Consultant's are required to file disclosures when, pursuant to a contract with the District, the Consultant will make certain specified government decisions or will perform the same or substantially the same duties for the District as a staff person would.

The services to be performed by Consultant under the Agreement to which this Exhibit D is attached constitute do not constitute governmental decisions or staff services within the meaning of the Conflict of Interest Code. Therefore, the Consultant, **MARTHA TUREEN**, who will provide Services under the Agreement, is is not subject to disclosure obligations.

Date: _____

By: _____

Lisa A. Franz
Director, Purchasing

BOARD AGENDA ITEM

Name of Contributor: Dr. Jesus Vaca

Date of Meeting: 8/3/16

STUDY SESSION _____

CLOSED SESSION _____

SECTION B: HEARINGS _____

SECTION C: CONSENT X

SECTION D: ACTION _____

SECTION E: REPORTS/DISCUSSION _____

SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Ratification of Agreement/MOU #16-74 – Tri-Counties Regional Center (Vaca)

The Tri-Counties Regional Center Foster Grandparent Program establishes person-to-person relationships between limited income adults, 55 years of age and older, and children with developmental and/or intellectual disabilities. Foster Grandparent volunteers bring a lifetime of experience and provide children with opportunities to more fully participate in school and empower them to achieve their physical, emotional, and social goals. Volunteers, in turn, remain mentally and physically active improving their quality of life.

Term of Agreement/MOU: July 1, 2016 to June 30, 2019

FISCAL IMPACT:

None

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources & Support Services, that the Board of Trustees ratify Agreement/MOU #16-74 with Tri-Counties Regional Center.

ADDITIONAL MATERIAL(S):

Attached: Agreement/MOU #16-74, Tri-Counties Regional Center (6 Pages)

MEMORANDUM OF UNDERSTANDING

Between
FOSTER GRANDPARENT PROGRAM
Sponsored by
TRI-COUNTIES REGIONAL CENTER
2401 East Gonzales Road suite 100
Oxnard, CA 93036
and
Oxnard School District

Volunteer Station: Oxnard School District herein referred to as “Volunteer Station.”

Address: 1051 South A Street, Oxnard, CA 93030

Telephone: 805-385-1501 Fax: 805-483-7426

Volunteer
Station Director: Cesar Morales, Superintendent

Period Covered: July 1, 2016 through June 30, 2019

The purpose of this Memorandum of Understanding is to facilitate the operation of the Foster Grandparent Program in schools, preschools, and day care facilities to promote cooperation and establish channels of communication between teachers, staff and program managers.

The named Volunteer Station staff and the Foster Grandparent Program staff of Tri-Counties Regional Center agree to the following:

A. The Tri-Counties Regional Center (“TCRC”) Foster Grandparent Program, under the oversight of The Corporation for National and Community Service and the Foster Grandparent Program Community Advisory Group, hereinafter referred to as “sponsor,” will:

1. Designate a staff member to serve as liaison with the Volunteer Station:
NAME: Rebekah Nagel
TITLE: Program Manager
TELEPHONE: (805) 884-7226
FAX: (805) 278-9056
EMAIL: rnagel@tri-counties.org
2. Recruit, interview, and train volunteers in the program. The volunteers will meet The Corporation for National and Community Service criteria for enrollment in the program.

MEMORANDUM OF UNDERSTANDING

3. Provide and document a criminal history check through the California Department of Justice, the FBI and the National Sexual Offender's Public Website (nsopw.gov) prior to assignment to a Volunteer Station.
4. Provide for pre-service and annual physical examination and tuberculosis tests prior to assignment to a Volunteer Station. Tuberculosis testing to be conducted every four years.
5. Provide supplemental accident and liability insurance coverage as required by the program through the CIMA Volunteer Insurance Service.
6. Provide 40 hours of orientation to volunteers and on-going monthly in-service training meetings.
7. Provide orientation to Volunteer Station staff.
8. Not request or receive any compensation from the Volunteer Station as a precondition, volunteers, beneficiaries of services in exchange for volunteer services.
9. Permit and encourage the Volunteer Station to screen Foster Grandparents pursuant to established criteria of Volunteer Station.
10. Provide a meal allowance for volunteers each day of volunteer service.
11. Provide a travel allowance each day of volunteer service.
12. Provide name badges to each Foster Grandparent.
13. Be responsible for the management and fiscal control of the program.
14. Provide an addendum to this MOU, a listing of all volunteer stations where Foster Grandparents will serve through the Volunteer Station and the number of volunteers placed at each volunteer station.

B. The Volunteer Station will:

1. Designate staff member(s) to serve as liaison with the Foster Grandparent Program Manager.
2. Develop and obtain the sponsor's approval for each Foster Grandparent volunteer, of a written Performance Measurement Plan (PMP) that identifies the children to be served, the role and activities of the volunteer, and the time each child should receive such services. The Volunteer Station supervisor and the volunteer will sign this PMP. The PMP will be used to

MEMORANDUM OF UNDERSTANDING

review the Foster Grandparent's services as well as the impact of the assignment on the child's development.

3. Assure adequate health and safety provisions for the protection of volunteers.
4. Investigate incidents, accidents and injuries involving volunteers and notify the Foster Grandparent Program on a timely basis.
5. Assign children with developmental disabilities/exceptional needs to each volunteer.
6. Provide volunteer station-specific orientation and training to the volunteers.
7. Submit required completed paperwork to the Foster Grandparent Program on a timely basis, i.e., PMPs, and Foster Grandparent annual volunteer review.
8. Ensure that each Foster Grandparent volunteer is supervised at all times while they are performing as volunteers and not leave the Foster Grandparent alone with children.
9. Provide confidentiality training for all Foster Grandparents in accordance with Volunteer Station policies and procedures. (i.e., school districts will provide confidentiality training in accordance with State Education laws, rules and regulations, Federal Regulations and statutes, including the Buckley and Hatch Amendments).
10. Ensure that Foster Grandparents serve in a volunteer capacity. The Station will verify that Foster Grandparents will not displace nor replace paid or contracted employees, relieve staff of their routine duties or infringe upon the volunteer station supervisor's supervisory role with the children. Exclude Foster Grandparents as supervising adults when calculating state-mandated adult-to-child ratios.
11. Periodically review each child's continuing need for a Foster Grandparent and recommend phase-out or reassignment of the assigned Foster Grandparent, as necessary.
12. The Volunteer Station will maintain the programs and activities to which Foster Grandparent volunteers are assigned accessible to persons with disabilities (including mobility, hearing, vision, mental, and cognitive impairments) and/or limited English language proficiency and provide reasonable accommodation to allow persons with disabilities to participate in programs and activities.

MEMORANDUM OF UNDERSTANDING

14. The Volunteer station will not discriminate against Foster Grandparent volunteers or in the operation of its program on the basis of race, color, national origin, limited English language proficiency, sex, age, political affiliation, religion, or on a the basis of disability, if the volunteer is a qualified individual with a disability.
15. The Volunteer Station will not request or assign Foster Grandparent volunteers to conduct or engage in religious instruction, conduct worship services, or engage in any form of proselytization as part of their duties.
16. The Volunteer Station will not request or assign Foster Grandparent volunteers to conduct or engage in any form of political activity as part of their duties.
17. The Volunteer Station will ensure that any screening processes required of other volunteers at the station are required for the Foster Grandparent volunteers as well.

C. TCRC Foster Grandparent Program, in conjunction with the Volunteer Station will:

1. Recognize the Foster Grandparents for their volunteer service.
2. Ensure that the Foster Grandparent volunteer is bound by the same rules of child abuse reporting and conduct as the teachers or staff.
3. Work together in developing appropriate activities for Foster Grandparents to carry out with their assigned children.
4. Work together to supervise Foster Grandparents in their activities. This will be accomplished by the Program Manager and the person directly supervising the Foster Grandparent at the volunteer station.
5. Provide all reasonable resources and make every effort to ensure the success of the Foster Grandparent Program.

MEMORANDUM OF UNDERSTANDING

ADDENDUM

List of Volunteer Work Stations at Oxnard School District

SCHOOL: Harrington Elementary
PRINCIPAL: Louis Ramirez
VOLUNTEER: Delia Bequilla
VOLUNTEER: Dorothy Byrd
VOLUNTEER: Edna Ramirez
VOLUNTEER: Rudy Ramos
VOLUNTEER: Annie Jackson

SCHOOL: Marina West Elementary
PRINCIPAL: Jorge Mares
VOLUNTEER: Luz Barcena
VOLUNTEER: Nenita Ramos

SCHOOL: San Miguel Preschool
PRINCIPAL: Christine McDaniels
VOLUNTEER: Teresa Gonzales
VOLUNTEER: Zenny Pugeda
VOLUNTEER: Casimira Lavarez

SCHOOL: Thurgood Marshall
PRINCIPAL: Marlene Breitenbach
VOLUNTEER: Paula Chiles
VOLUNTEER: Theresa Miles
VOLUNTEER: Constance Stahl

MEMORANDUM OF UNDERSTANDING

SIGNATURE PAGE

This agreement to remain in effect from July 1, 2016 through June 30, 2019.

This agreement may be amended at anytime with mutual consent of both parties. Per the FGP Federal regulations, it must be reviewed and renegotiated at least every three years.

Either party may terminate this agreement with 15 days written notice to the other party.

I certify that Oxnard Elementary School District is a (check one):

- Public Agency
- Private non-profit
- Licensed proprietary health-care agency

The Memorandum of Understanding is for your files.

Oxnard School District
 Lisa A. Franz, Purchasing Director

Date: _____

Rebekah Nagel, Program Manager
 Foster Grandparent Program
 Tri-Counties Regional Center

Date: _____

PLEASE RETURN A COPY OF THIS SIGNED SIGNATURE PAGE TO THE FOSTER GRANDPARENT PROGRAM MANAGER

BOARD AGENDA ITEM

Name of Contributor(s): Dr. Cesar Morales/Robin Freeman **Date of Meeting:** 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT _____
SECTION D: ACTION X
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Ratification of Agreement/MOU #16-76 – Ventura County Office of Education – Interdistrict Transfer (Morales/Freeman)

The Interdistrict Transfer Agreement/MOU will serve as an understanding between local Districts listed that an agreement has been made to permit pupils who reside in one of the Districts to attend in the other based on the terms and conditions of the Agreement/MOU. This Agreement/MOU shall be for a term of five (5) school years commencing with the 2016-2017 school year and ending at the conclusion of the 2020-2021 school year.

FISCAL IMPACT:

None

RECOMMENDATION:

It is the recommendation of the Superintendent, and the Assistant Superintendent, Educational Services, that the Board of Trustees ratify Agreement/MOU #16-76 with the Ventura County Office of Education.

ADDITIONAL MATERIAL(S):

Attached: Agreement/MOU #16-76, Ventura County Office of Education (2 Pages)
 Exhibit A, Interdistrict Transfer Agreement (2 Pages)

Interdistrict Transfer Memorandum of Understanding May 2016

The Governing Boards of each of the following districts: Briggs Elementary School District, Conejo Valley Unified School District, Fillmore Unified School District, Hueneme Elementary School District, Mesa Union Elementary School District, Moorpark Unified School District, Mupu Elementary School District, Oak Park Unified School District, Ocean View Elementary School District, Ojai Unified School District, Oxnard Elementary School District, Oxnard Union High School District, Pleasant Valley School District, Rio Elementary School District, Santa Clara Elementary School District, Santa Paula Unified School District, Simi Valley Unified School District, Somis Union School District and Ventura Unified School District (jointly referred to as "the Districts") hereby agree to permit pupils who reside in one of the Districts to attend in the other based on the following terms and conditions:


1. This MOU shall be for a term of five (5) school years commencing with the 2016-2017 school year and ending at the conclusion of the 2020-2021 school year.
2. The Districts understand and agree that each parent/guardian who resides within one of the participating districts but desires for their child to attend in the other district shall be required to sign a one-year Interdistrict Transfer Agreement ("Agreement"). The form of that Agreement is attached as Exhibit A and is incorporated by reference as though fully set forth herein. The district of attendance will determine on a year-to-year basis whether to renew the pupil's Agreement.
3. The Districts agree that once the Districts sign the Agreement for a particular pupil, the district of residence will not be required to sign the Agreement for that pupil for the subsequent 4 school years. By signing the Agreement in Year 1, the district of residence intends to release the student from attendance in that district for 5 school years.
4. The Districts shall establish appropriate internal controls for the issuance and acceptance of Agreements. At a minimum the district of residence shall provide the district of attendance a copy of all transfer Agreements issued, and the district of attendance shall notify the district of residence upon its acceptance of pupils with valid Agreements.
5. The Districts understand and agree that a pupil who is granted an interdistrict transfer to another district who is a party to this Memorandum of Understanding shall be subject to the terms and conditions set forth in the Interdistrict Transfer Agreement attached hereto as Exhibit A and may have his/her attendance revoked during the school year, or non-renewed for the following school year, based on any of the reasons set forth in Exhibit A.


Revocations of an interdistrict permit by the district of attendance, based on the terms and conditions stated on the transfer agreement, may not be appealed to the County Board of Education for the remainder of the current school year.

6. Students with Disabilities being served under the SELPA Local Plan Interdistrict Charts are not subject to this agreement.

**Interdistrict Transfer Memorandum of Understanding
May 2016**

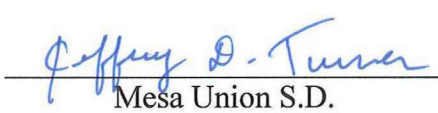
IN WITNESS WHEREOF, the parties hereto set their hands.


Briggs Elementary S.D.


Conejo Valley Unified S.D.


Fillmore Unified S.D.

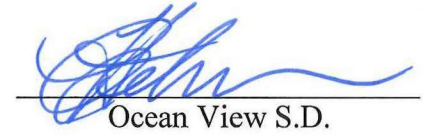

Hueneme Elementary S.D.


Mesa Union S.D.



Moorpark Unified S.D.


Mupu Elementary S.D.

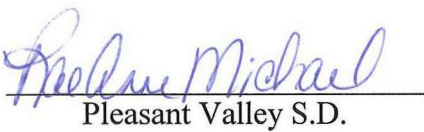

Oak Park Unified S.D.


Ocean View S.D.


Ojai Unified S.D.


Oxnard Elementary S.D.


Oxnard Union High S.D.


Pleasant Valley S.D.


Rio Elementary S.D.


Santa Clara Elementary S.D.


Santa Paula Unified S.D.


Simi Valley Unified S.D.


Somis Union S.D.


Ventura Unified S.D.

INTERDISTRICT TRANSFER AGREEMENT FOR SCHOOL DISTRICTS IN VENTURA COUNTY

EXHIBIT A

| | | | |
|--|--|---|---|
| STEP 1: To be completed by parent/guardian (Please print) | | <input type="checkbox"/> New Application | <input type="checkbox"/> Renewal |
| School Year: <input type="checkbox"/> Current year <input type="checkbox"/> Future year 20____ — 20____ | | Grade Requested | Date of Request |
| Student Name (Last, First) | | Birth Date | Gender <input type="checkbox"/> Male <input type="checkbox"/> Female |
| Current or Last School of Attendance | | Current or Last District of Attendance | |
| School of Residence | | District of Residence | |
| School Requested | | District Requested | |
| Parent/Guardian Name | | Contact Numbers: | |
| Address | | Home: _____ | |
| City/Zip | | Work: _____ | |
| | | Cell: _____ | |
| | | Email Address: _____ | |
| Is the student currently pending disciplinary action or under an expulsion order? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| What special services has the student received? <i>(Check all that apply and attach proof of enrollment in the special program.)</i> | | | |
| <input type="checkbox"/> Gifted (GATE) | <input type="checkbox"/> Section 504 | <input type="checkbox"/> Special Education | <input type="checkbox"/> English Language Learner |
| If the student is receiving Special Education services, what is their current placement? <i>(Please attach IEP.)</i> | | | |
| <input type="checkbox"/> Special Day (SDC) | <input type="checkbox"/> Resource (RSP) | <input type="checkbox"/> Non-Public School (NPS) | <input type="checkbox"/> Pending Assessment |
| What is/are the reason(s) for the request? <i>(Check all that apply. See section on "Documentation Required" for a listing of proof/evidence required to support each reason checked.)</i> | | | |
| <input type="checkbox"/> Child Care | <input type="checkbox"/> Parent Employment | <input type="checkbox"/> Sibling | <input type="checkbox"/> Health & Safety |
| <input type="checkbox"/> Continuing Enrollment | <input type="checkbox"/> Complete Final Year at Current School | <input type="checkbox"/> Proposed Change in Residence | <input type="checkbox"/> Other (Please specify in a letter) |

I have read the terms and conditions and understand the regulations and policies governing interdistrict attendance permits and hereby submit my application. I declare under penalty of perjury that the information provided above is true and accurate. I understand that the information provided is subject to verification and that the mere act of completing this application and providing all the required documentation **DOES NOT** guarantee that the request will be approved.

Parent/Guardian Signature: _____ Relationship to Student: _____

STEP 2: District of Residence

STEP 3: Proposed District of Attendance

Decision: Approved Denied Date: _____

Decision: Approved Denied Date: _____

Comments: _____

Comments: _____

Authorizing Signature: _____

Authorizing Signature: _____

Title: _____

Title: _____

District: _____

District: _____

IMPORTANT: If the interdistrict transfer request is approved by the district of residence (Step 2), the parent/guardian is responsible for submitting the approved agreement AND the actual release permit along with all documentation submitted in Step 2 to the proposed district of attendance (Step 3).

All applications must include a copy of the most current transcript and/or report card and the documentation requested to support each reason provided. Below is a chart of documentation that must be attached to the application at the time of submission. Additional documentation may be required. Please note that incomplete applications will not be processed. Requests will be considered based on local board policies.

| Reason for Request | Documentation Required |
|------------------------------|---|
| Child Care | <ul style="list-style-type: none"> ▪ Proof of employment of all parents/guardians who are involved in the student’s life on a day-to-day basis <ul style="list-style-type: none"> - Copy of a recent pay stub; and - Letter on the employer’s stationery verifying schedule (hours and days) and location of employment; or - If self-employed, letter stating schedule (hours and days) and location of employment ▪ Letter from the adult, center or organization providing child care <ul style="list-style-type: none"> - Name, address and contact information of the adult, center or organization - Child care license number and fees, if applicable - Hours of operation for the center or organization, or hours that the student is under care - Length of time student has been under care by the adult, center or organization ▪ Letter from parent/guardian explaining the circumstances that an interdistrict permit is necessary for child care reasons |
| Parent Employment | <ul style="list-style-type: none"> ▪ Proof of employment of all parents/guardians working within the proposed district of attendance boundaries who are involved in the student’s life on a day-to-day basis <ul style="list-style-type: none"> - Copy of a recent pay stub; and - Letter on the employer’s stationery verifying schedule (hours and days) and location of employment; or - If self-employed, letter stating schedule (hours and days) and location of employment ▪ Letter from parent/guardian explaining the circumstances that an interdistrict permit is necessary for parent employment reasons |
| Sibling | <ul style="list-style-type: none"> ▪ Name, grade and school where the sibling attends (sibling must already attend the proposed district of attendance) ▪ Copy of the sibling’s last report card ▪ Copy of the sibling’s release permit from the district of residence |
| Health & Safety | <ul style="list-style-type: none"> ▪ Letter or report from a doctor, psychologist, or other appropriate person verifying health-related issues (if applicable) ▪ Police or school report supporting safety-related issues (if applicable) ▪ Letter from parent/guardian explaining the circumstance that an interdistrict permit is necessary for health and safety reasons |
| Specialized Program | <ul style="list-style-type: none"> ▪ Copy of the flyer, brochure, or other informational material detailing the specialized program in which the student is interested ▪ Letter from parent/guardian expressing the extent of the student’s interest in the specialized program, and how the program is either unavailable or not comparable at the district of residence |
| Continuing Enrollment | <ul style="list-style-type: none"> ▪ Copy of the student’s last report card ▪ Letter from parent/guardian stating the enrollment history (grade and school/district) of the student since kindergarten <p>Please note: Continuing enrollment applies to students who move during the summer or during the school year and wish to continue at the last school of enrollment. This reason for a request can also apply to those districts that request that a student returns for a release permit when they are matriculating from one grade span and wish to continue on through the next grade span in the proposed district of attendance (such as from elementary to middle or from middle to high).</p> |
| Final Year | <ul style="list-style-type: none"> ▪ Copy of the student’s last report card <p>Please note: Final Year is the highest grade served by the school. This reason for a request applies to students who move during the summer or during the school year and wish to continue at the last school of enrollment.</p> |
| Change in Residence | <ul style="list-style-type: none"> ▪ Copy of escrow documents; or ▪ Rental Agreement |

TERMS AND CONDITIONS

- An interdistrict permit is granted or denied based on the terms and conditions stated in board policy.
- Once an interdistrict permit has been granted, a student is not required to reapply unless an agreement between the governing boards of the district of residence and the district of attendance states otherwise.
- A permit may be revoked at any time by the district of attendance for the following reasons:
 - Student is excessively tardy or absent from school, or student is brought to school excessively early or picked-up excessively late.
 - Student fails to uphold appropriate behavior standards.
 - Student fails to make appropriate academic efforts.
 - False or misleading information was provided on the Interdistrict Transfer Agreement and/or accompanying documentation.
 - Other conditions that occur that would render continuance inadvisable.
- Students entering grades 11 and 12 shall not have their permits rescinded by either district.
- Approval is subject to space availability in the district and may not be at the site requested.
- If the student participates in any athletic program governed by the California Interscholastic Federation (CIF), he/she may not be eligible to participate at the new school. Parent/guardian should check the CIF rules before submitting this application.
- Students who are either moving to or from the Ventura County SELPA and the Los Angeles County SELPA will be asked to obtain an Inter-SELPA Agreement for Individuals with Exceptional Needs.
- No financial obligation shall be incurred by the district of residence for services rendered under this agreement.
- The parent/guardian is responsible for providing transportation to and from school.

BOARD AGENDA ITEM

Name of Contributor(s): Lisa Cline

Date of Meeting: 8/3/16

| | |
|--------------------------------------|---|
| STUDY SESSION | _____ |
| CLOSED SESSION | _____ |
| SECTION B: HEARINGS | _____ |
| SECTION C: CONSENT | <u> X </u> |
| SECTION D: ACTION | _____ |
| SECTION E: REPORTS/DISCUSSION | _____ |
| SECTION F: BOARD POLICIES | 1 st Reading _____ 2 nd Reading _____ |

Ratification of Agreement #16-78 – CSM Consulting Inc. (Cline/Franz)

CSM Inc. has been providing E-Rate services to the district for all telecommunications and internal connections applications since 2005 to ensure the district maximized its full potential in achieving E-Rate funds.

In order to remain consistent and receive the maximum benefits available from E-Rate, we propose renewing the agreement with CSM Consulting Inc., who will provide services for 10% of the E-Rate application base and telecommunications cost recovery not to exceed \$31,000.00 per year for a total contract amount of \$93,000.00, for filing years 2016-2017, 2017-2018, & 2018-2019.

It is requested the Board of Trustees ratify Agreement #16-78 with CSM Consulting Inc. to provide services relating to E-Rate. Payment will be from funds recovered from the E-Rate reimbursement.

FISCAL IMPACT:

\$93,000.00 – General Fund

RECOMMENDATION:

It is the recommendation of the Director, Purchasing, and the Deputy Superintendent, Business & Fiscal Services, that the Board of Trustees ratify Agreement #16-78, with CSM Consulting Inc.

ADDITIONAL MATERIAL(S):

Attached: Agreement #16-78, CSM Consulting Inc. (5 Pages)



CONTRACT FOR E-RATE COMPLIANCE SERVICES

This agreement is made and entered by and between **Oxnard School District**, a local education agency ("District") and CSM Consulting, Inc., a California Corporation ("Consultant").

RECITALS

- A. District desires to have a Consultant to prepare documentation, forms and applications regarding the Federal Communications Commission ("FCC") E-Rate program.
- B. District has the authority to enter into an Agreement with a Consultant for purposes of complying with the FCC E-Rate program.
- C. Consultant is duly qualified to provide the services called for in this Agreement in consideration for the fee stipulated in this Agreement.

I. CONSULTANT'S RESPONSIBILITIES – SCOPE OF SERVICE

1. Shall provide to District completed forms and processes related to all Category One and Category Two applications of the Federal Communications Commission E-Rate filings with the schools and library division ("SLD") during the term of this Agreement as shown in Section IV., 1. Services provided under this agreement to include the following:
 - Advise and coordinate the preparation and filing of FCC Forms: 470, 471, 486 and 500.
 - Advise and coordinate the preparation and filing of:
 - Item 21 Attachments
 - Form 472 (Billed Entity Applicant Reimbursement Form BEAR) and/or vendor specific discount forms (i.e. Data Gathering Form, Existing Services List, etc.)
 - Implementation Deadline Extension Request (ImDER)
 - Invoice Deadline Extension Request (IDER)
 - Service Provider Identification Number (SPIN)Change Requests
 - Service Substitution Requests
 - Service Certifications
 - Program Integrity Assurance (PIA)
 - Payment Quality Assurance (PQA) requests
 - Invoice reconciliation for previous funding year disbursements
2. Act as District's main point of contact with the SLD.
3. Advise District on E-Rate compliance including updates on rule or regulatory changes, as applicable.

II. DISTRICT RESPONSIBILITIES

1. Provide all required information and data for filing all forms with the SLD in a timely manner and all required and requested data for filing the Form 471 at least thirty (30) days prior to USAC's Form 471 filing deadline.
2. Take such official action, such as review of Consultants drafts and promptly sign and return all forms required for filing with a third party in a timely manner so that Consultant can perform its obligations under this Agreement.

3. Promptly pay Consultant its fee for services rendered. All payments are due and payable within 30 days after delivery to the District of the invoice.
4. Sign, date and certify all forms filed by Consultant on District's behalf.

III. COST

1. **Pricing.** The cost for services rendered regarding the E-Rate application process, as referred to in Section I of this agreement, will be invoiced and due to the Consultant as follows:

Base contract amount ("Base Amount") of **\$31,000**, per year

Invoices for the Base Amount will be provided monthly (or quarterly) continuing through June 30 of each year of this Agreement.

The amounts in this section do not include any costs related to additional Professional Services offered by Consultant that may be requested by the District as shown in Section IV., 4. and 5 below.

IV. MISCELLANEOUS

1. **Term.** The term of this agreement shall commence as of July 1, 2016, or upon execution (whichever is later), through June 30, 2019.
2. **Modifications.** This Agreement may be modified only by a written amendment to this Agreement, executed by both parties.
3. **Independent Contractor.** While engaged in carrying out and complying with the terms and conditions of the Agreement, Consultant is an independent contractor and not an officer, employee, or agent of the District.
4. **Additional Professional Services not included in SECTION I CONSULTANT RESPONSIBILITIES – SCOPE OF SERVICE.**
 - A. Services and costs in this section are not included in Section I (Consultant Responsibilities – Scope of Service) and Section III (Cost). At the written request of the District, the Consultant may provide the additional Professional Services listed below, based upon the following hourly rates.

| | |
|--|----------------|
| Officer/Principal | \$175 per hour |
| Information Technology Consultant/Director | \$150 per hour |
| Lead Consultant | \$120 per hour |
| Specialist | \$80 per hour |

An authorized agent of the District may request the services below via written request to the Consultant. The Consultant will provide the District with an estimate of the number of hours and rates to complete the requested task. Consultant will provide a quote in the form of an email, hard copy quote, electronic copy quote or other means, as appropriate and acceptable to the District and Consultant. These Professional Services may include but are not limited to the following:

- Assist in the preparation of RFPs/RFIs/RFQs, etc., including technical specs
- Surveys (alternate discount method)
- Comprehensive Technology Plan Writing
- Coordination of response to Special Compliance Reviews
- Selective Review Information Request (SRIR)
- Preparation of USAC and/or FCC appeals
- Technology Plan and Technology Plan Addenda preparation, technology needs assessment, etc.
- Audit support, including Beneficiary Contributor Audit Program
- Preparation of documentation/reports/presentations for Board meetings or other special meetings
- Assess and process issues with prior E-Rate applications not previously contracted by with Consultant (invoiced at ten percent 10% of amount recovered)
- Travel expenses for any on-site meetings including hourly rate, standard mileage reimbursement and actual accommodation/travel expense (including airfare if applicable)
- Other E-Rate related services



5. **E-Rate Doc-U-Manage Software (Optional Service).** Consultant will provide online document management software allowing for multi-user access to maintain documents in an organized manner to meet the USAC 10-year requirement and provide an efficient document management system for the District. The annual license fee for the software is \$0.35 per student from the 1st Period Principal Apportionment CALPADS enrollment.

Please check the appropriate box for designation of service Yes No

6. **Conflict of Interest.** No business or personal relationship exists between any school employee and the service provider.
7. **Attorney's Fees and Costs.** In any litigation, arbitration or other proceeding by which one party either seeks to enforce its rights under this Agreement (whether in contract, tort, or both) or seeks a declaration of any rights or obligations under this Agreement, each party shall bear its own attorney fees, together with any costs and expenses to resolve the dispute and to enforce the final judgment.
8. **Severability.** If any term of this Agreement is held by a court of competent jurisdiction to be void or unenforceable, the remainder of this Agreement shall remain in full force and effect and shall not be affected.
9. **Notices.** All notices that are required to be given by one party to the other under this Agreement shall be in writing and shall be deemed to have been given if delivered personally or enclosed in a properly addressed envelope postage prepaid and deposited with a United States Post Office for delivery by first class and certified mail addressed to the parties at the following addresses, unless such addresses are changed by notice, in writing, to the other party.

Oxnard School District
1051 South A Street
Oxnard, CA 93030

CSM Consulting, Inc.
P.O. Box 4408
El Dorado Hills, CA 95762-0018

10. **Limitation of Liability.** The aggregate liability in connection with any claim arising out of or relating to this agreement whether in contract, tort or otherwise, shall be limited to an amount equivalent to the fee(s) paid by the District to Consultant for services performed pursuant to this Agreement. Consultant shall not in any circumstances be liable to District, whether in contract, tort or otherwise, for any special, indirect, incidental, or consequential damages of any kind whatsoever whether Consultant is made aware in any way due to, resulting from, or arising in connection with the services performed by Consultant pursuant to this Agreement. District's right to monetary damages listed above in that amount shall be in lieu of all other remedies that District may have.
11. **Governing Law.** The validity of this Agreement and each of its terms and provisions, as well as the rights and duties of the parties under this Agreement, shall be construed pursuant to and in accordance with the law of the State of California.
12. **Authority.** The individuals executing this Agreement represent and warrant that they have the legal capacity and authority to execute and contractually bind their respective legal entities.
13. **Entire Agreement.** This Agreement supersedes any and all other agreements, whether oral or in writing, between the parties with respect to the subject of this Agreement. This Agreement contains all of the covenants and agreements between the parties with respect to the subject of this Agreement, and each party acknowledges that no representations, inducements, promises, or agreements have been made by or on behalf of any party except the covenants and agreements embodied in this Agreement. No agreement, statement, or promise not contained in this Agreement shall be valid or binding on the parties with respect to the subject of this Agreement.

Executed in Oxnard, CA This _____ day of August, 2016.



_____, Vice President
David T. Cichella

_____, Title Director, Purchasing

Lisa A. Franz Print Name
Oxnard School District

AUTHORITY TO COMMUNICATE – Letter of Agency (LOA)

This ATC/LOA (Agreement) entered into on this _____ day of August, 2016 by and between **CSM Consulting, Inc.**, *Consultant Registration Number 16043564*, a California Corporation (“Consultant”) and **Oxnard School District**, a local education agency (“District”). Consultant’s authority to communicate shall remain in effect during the term of the “E-Rate Services” consulting contract.

Consultant and District determines it is necessary to prepare documentation, forms and applications regarding the Federal Communications Commission (“FCC”) E-Rate program.

District grants to Consultant the authority to investigate and communicate, in any form, with any telecommunication company, service provider, the FCC or the Schools and Libraries Division with regard to the E-Rate Program on District’s behalf. Consultant acknowledges that nothing contained herein shall constitute a principal and agent relationship or be construed to evidence the intention of the District to constitute such. The District represents and warrants that the officer executing this Agreement has been duly authorized.

The term of this assignment is from the date of final execution (above) until all issues with E-Rate Years 2004, 2005, 2006, 2007, 2008 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016 and 2017, 2018, 2019 are resolved or June 30, 2020. When executed, this agreement is authorization for all employees of Consultant to communicate on behalf of the District in performance of the duties outlined herein.

Oxnard School District

Name: _____

Print Name: Lisa A. Franz

Title: Director, Purchasing

BOARD AGENDA ITEM

Name of Contributor: Robin Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT **X**
SECTION D: ACTION _____
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Ratification of Resolution #16-04 – California Department of Education – Child Development Division Contract #CSPP-6635 (Freeman/Thomas)

Resolution to certify the Oxnard School District Board of Trustees authorizes entering into Contract #CSPP-6635 with the California Department of Education – Child Development Division for the purpose of providing child care and development services and to authorize the designated personnel to sign contract documents for Fiscal Year 2016-17.

FISCAL IMPACT:

None

RECOMMENDATION:

It is the recommendation of the Director, Curriculum, Instruction and Accountability, and the Assistant Superintendent, Educational Services that the Board of Trustees ratify Resolution #16-04 with the California Department of Education – Child Development Division.

ADDITIONAL MATERIAL:

Attached: Resolution #16-04, California Department of Education-Child Development Division (1 Page)

RESOLUTION #16-04

This resolution must be adopted in order to certify the approval of the Governing Board to enter into this transaction and subsequent amendments with the California Department of Education for the purpose of providing child care and development services and to authorize the designated personnel to sign contract documents for Fiscal Year 2016-17.

RESOLUTION

BE IT RESOLVED that the Governing Board of Oxnard School District

authorizes entering into local agreement number CSPP-6635 and that the person/s who is/are listed below, is/are authorized to sign the transaction for the Governing Board.

| <u>NAME</u> | <u>TITLE</u> | <u>SIGNATURE</u> |
|----------------------|-----------------------------|------------------|
| <u>Lisa A. Franz</u> | <u>Director, Purchasing</u> | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

PASSED AND ADOPTED THIS 3rd day of August 2016, by the Governing Board of Oxnard School District of Ventura County, in the State of California.

I, Debra Cordes, Clerk of the Governing Board of Oxnard School District, of Ventura County, in the State of California, certify that the foregoing is a full, true and correct copy of a resolution adopted by the said Board at a Regular meeting thereof held at a regular public place of meeting and the resolution is on file in the office of said Board.

(Clerk's signature)

(Date)

BOARD AGENDA ITEM

Name of Contributor(s): Dr. Cesar Morales/Lisa Cline

Date of Meeting: 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT AGENDA X
SECTION D: ACTION _____
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Rejection of Proposals Received for Lease Leaseback Preconstruction and Construction Services Related to the New 12 Classroom Building Project at Thurgood Marshall Elementary School (Morales/Cline/CFW)

In September 2015, the Oxnard School District (District) issued a Request for Proposals for lease leaseback preconstruction and construction services to the District's six prequalified firms related to the new 12 classroom building project at Thurgood Marshall Elementary School. Two of the prequalified firms responded to the RFP and the remaining four firms declined to participate.

Proposals received from the two firms were not consistent with the project budget. At this time, the District staff, in consultation with Caldwell Flores Winters, Inc., is recommending that the Board of Trustees reject all proposals received. It is recommended that the District issue a revised RFP to solicit new proposals from the District's prequalified firms.

FISCAL IMPACT:

None

RECOMMENDATION:

It is the recommendation of the Superintendent, and the Deputy Superintendent, Business & Fiscal Services, in consultation with Caldwell Flores Winters, that the Board of Trustees reject proposals received for lease leaseback preconstruction and construction services related to the New 12 Classroom Building Project at Thurgood Marshall Elementary School.

ADDITIONAL MATERIAL(S):

- None

BOARD AGENDA ITEM

Name of Contributor(s): Lisa Cline

Date of Meeting: 8/3/16

| | |
|--------------------------------------|---|
| STUDY SESSION | _____ |
| CLOSED SESSION | _____ |
| SECTION B: HEARINGS | _____ |
| SECTION C: CONSENT | <u> X </u> |
| SECTION D: ACTION | _____ |
| SECTION E: REPORTS/DISCUSSION | _____ |
| SECTION F: BOARD POLICIES | 1 st Reading _____ 2 nd Reading _____ |

Participation per Public Contract Code §20118 – Oxnard School District for the Purchase of Standard School Supplies – Computers, Laptops, Tablets, Peripherals, and Computer-Related Equipment (Cline/Franz)

Pursuant to Public Contract Code §20118, school districts may participate in outside purchasing agreements. Board permission is requested to participate in the Los Angeles County Office of Education Bid #15-16-1560 for the purchase of Standard School Supplies – Computers, Laptops, Tablets, Peripherals, and Computer-Related Equipment. Said bid allows participation by other Governmental and Educational Entities.

FISCAL IMPACT:

Any fees incurred will be charged to end user’s budget.

RECOMMENDATION:

It is the recommendation of the Director of Purchasing, and the Deputy Superintendent, Business & Fiscal Services, that the Board of Trustees approve participation with the Los Angeles County Office of Education Bid #15-16-1560 for the purchase of Standard School Supplies – Computers, Laptops, Tablets, Peripherals, and Computer-Related Equipment, for the performance term of the Los Angeles County Office of Education’s agreement.

ADDITIONAL MATERIAL(S):

Attached: None

BOARD AGENDA ITEM

Name of Contributor: Lisa Cline

Date of Meeting: 8/3/16

| | |
|-------------------------------|--------------|
| STUDY SESSION | _____ |
| CLOSED SESSION | _____ |
| SECTION B: HEARINGS | _____ |
| SECTION C: CONSENT | <u> X </u> |
| SECTION D: ACTION | _____ |
| SECTION E: REPORTS/DISCUSSION | _____ |
| SECTION F: BOARD POLICIES | _____ |

INTERFUND TRANSFERS (Cline/Penanhoat)

It is the recommendation of the Deputy Superintendent, Business & Fiscal Services, and the Director of Finance that the Board approve the following interfund transfers from General Fund, as listed below:

| | | |
|-----------|----------------------------|---------------|
| Fund #710 | CSEA Retiree Benefits Fund | \$ 433,457.00 |
|-----------|----------------------------|---------------|

This action was approved by the members of the Oxnard School District Employee Health & Welfare Benefits Trust at their meeting of June 22, 2016.

OXNARD SCHOOL DISTRICT

ACTION ITEM

INTERFUND TRANSFER (Cline/Penanhoat)

It is recommended that the Board approve the following
interfund transfers from General Fund, as listed below:

MOVED:
SECONDED:
VOTE:

| | | |
|-----------|----------------------------|---------------|
| Fund #710 | CSEA Retiree Benefits Fund | \$ 433,457.00 |
|-----------|----------------------------|---------------|

Dr. Cesar Morales
Superintendent and Secretary to
the Board of Trustees

Date

BOARD AGENDA ITEM

Name of Contributor: Lisa Cline

Date of Meeting: 08/03/16

| | |
|-------------------------------|--------------|
| STUDY SESSION | _____ |
| CLOSED SESSION | _____ |
| SECTION B: HEARINGS | _____ |
| SECTION C: CONSENT | <u> X </u> |
| SECTION D: ACTION | _____ |
| SECTION E: REPORTS/DISCUSSION | _____ |
| SECTION F: BOARD POLICIES | _____ |

INTERFUND TRANSFERS (Cline/Penanhoat)

It is the recommendation of the Deputy Superintendent, Business & Fiscal Services, and the Director of Finance that the Board approve the following interfund transfers from General Fund, as listed below:

| | | |
|-----------|------------------|-----------------|
| Fund #710 | Retiree Benefits | \$ 4,275,000.00 |
|-----------|------------------|-----------------|

This action was approved by the members of the Oxnard School District Employee Health & Welfare Benefits Trust at their meeting of June 22, 2016.

OXNARD SCHOOL DISTRICT

ACTION ITEM

INTERFUND TRANSFER (Cline/Penanhoat)

It is recommended that the Board approve the following
interfund transfers from General Fund, as listed below:

MOVED:
SECONDED:
VOTE:

| | | |
|-----------|------------------|-----------------|
| Fund #710 | Retiree Benefits | \$ 4,275,000.00 |
|-----------|------------------|-----------------|

Dr. Cesar Morales
Superintendent and Secretary to
the Board of Trustees

Date

BOARD AGENDA ITEM

Name of Contributor(s): **Dr. Jesus Vaca**

Date of Meeting: **August 3, 2016**

- Study Session** _____
- Closed Session** _____
- A. Preliminary** _____
- B. Hearing** _____
- C. Consent Agenda** **X**
- D. Action Items** _____
- E. Reports/Discussion Items (no action)** _____
- F. Board Policies** 1st Reading _____ 2nd Reading _____

Approval of the 2015-16 Quarterly Report on Williams Uniform Complaints, Fourth Quarter (Vaca)

DESCRIPTION OF AGENDA ITEM:

The Williams Settlement (AB 2727) requires a quarterly report to the Governing Board regarding the amount and type of complaints made to the school district in the following areas: Textbooks and Instructional Materials, Teacher Vacancy or Misassignment, and Facility Conditions.

As indicated on the attached Quarterly Report on Williams Uniform Complaints to the Ventura County Office of Education, a complaint was filed during the quarter indicated above.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees approve the Quarterly Report on Williams Uniform Complaints, fourth quarter, as presented.

ADDITIONAL MATERIAL(S):

Quarterly Report on Williams Uniform Complaints, Fourth Quarter (2 pages)

Quarterly Report on Williams Uniform Complaints

[Education Code § 35186]

Fiscal Year 2015-2016

District: **Oxnard School District**

Person completing this form: **Dr. Jesus Vaca** Title: **Assistant Superintendent, HR**

Quarterly Report Submission Date: **July 2016 (4/1/16 – 6/30/16)**

Date for information to be reported publicly at governing board meeting: **August 3, 2016**

Please check box that applies:

- No complaints were filed with any school in the district during the quarter indicated above.
- Complaints were filed with schools in the district during the quarter indicated above. The following chart summarizes the nature and resolution of these complaints.

| General Subject Area | Total # of Complaints | # Resolved | # Unresolved |
|--|------------------------------|-------------------|---------------------|
| Textbooks and Instructional Materials | 0 | 0 | 0 |
| Teacher Vacancy or Misassignment | 0 | 0 | 0 |
| Facilities Conditions | 1 | 1 | 0 |
| TOTALS | 1 | 1 | 0 |

Dr. Cesar Morales

Print Name of District Superintendent

Signature of District Superintendent

| Complaint | Resolution |
|---|--|
| <p>Re: Driffill School:</p> <p>“Due to negligence on the part of the persons in charge of reviewing and following up on the school’s safety plan to ensure that all fire extinguishers in the classrooms are protected, secured and in their respective place, a fire extinguisher fell and exploded soaking all of the children in that classroom. This incident brought subsequent results as some children are showing breathing problems, irritated eyes, throat and stomach pain and nauseas. In a previous incident, a fire extinguisher fell on a student’s foot and left her incapacitated for several months since she sustained a fracture.”</p> | <ul style="list-style-type: none"> • Immediately after the incident, the teacher gathered the students in the back of the room and told them to cover their nose and eyes. The students exited the room, when the teacher deemed it safe to do so. • The Principal, site custodians, Facility Department manager, and Facility Department personnel visited and inspected the classroom immediately after the incident. • District custodians were assigned and directed to clean the entire room. Student books were bagged and removed to the library. • The Principal and Custodial Manager inspected the room and confirmed that everything had been thoroughly cleaned. • In April, the Oxnard Fire Department conducted their annual inspection and found no issues with the fire extinguishers. • After an incident in May, the fire extinguishers were remounted in the same location, but with an additional band for security. |

BOARD AGENDA ITEM

Name of Contributor(s): Jonathan Koch

Date of Meeting: 8/3/16

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda X
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading _____ 2nd Reading _____

TITLE: District Enrollment Center Manager

DESCRIPTION:

District administration requested that the Personnel Commission create a new Manager level job classification which would be tasked with directing and overseeing the District’s Enrollment Center and related functions. This position will report to the Director of Pupil Services.

FISCAL IMPACT:

The exact fiscal impact is not known at this time as the Personnel Commission has not yet approved a classification and recommended an allocation on the Classified Management salary schedule. A salary study is currently being conducted and a recommendation will likely be recommended to the Personnel Commission in August. Preliminary findings suggest that the classification may be appropriately allocated to the classified management salary schedule at a rate of approximately \$69,467 - \$82,531 annually.

RECOMMENDATION:

Education Code 45276 provides that “The governing board shall fix the duties of all positions a part of the classified service as required by Section 45109. The board may recommend the minimum educational and work experience requirements for classified positions to the personnel commission. Minimum qualification requirements shall be subject to approval of the commission. The position duties shall be prescribed by the board and qualification requirements for the position class shall be prepared and approved by the commission, required by this section, prior to issuance of an announcement calling for a competitive examination to fill position vacancies.”

Staff recommends that the Board of Education take action to approve the attached job duties of District Enrollment Center Manager so that a new classification can be taken to, and approved by, the Personnel Commission.

ADDITIONAL MATERIAL(S):

District Enrollment Center Manager job duties

DISTRICT ENROLLMENT CENTER MANAGER

SUMMARY OF DUTIES

Under the direction of the Director of Pupil Services, plans, organizes, directs, and administers the on-going operations of the District's Enrollment Center; trains, directs, supervises, and evaluates assigned staff; directs the analysis and reporting functions of all enrollment efforts, statistics, and measures; develops systems to efficiently support enrollment efforts for school sites and the District; and performs a variety of other duties relative to assigned area of responsibility.

This is a single position classification responsible for managing the on-going functions of the District's Enrollment Center to ensure efficient and proper placement for all students in order to support student learning and achievement.

ESSENTIAL DUTIES

1. Plans, organizes, directs, and administers the on-going operations of the District's Enrollment Center; oversees the District's centralized student enrollment and home address verification process; ensures program operations and activities comply with all applicable local, state, and federal laws;
2. Ensures enrollment objectives, goals, budgets, policies, practices, and actions produce successful student promotion results consistent with the District's overall mission, goals, and objectives;
3. Develops and implements enrollment models and systems to support enrollment efforts for school sites and the District; tracks and projects admissions; develops student profile reports;
4. Monitors enrollment counts and limits at all school sites; assigns students to school of attendance in accordance with Education Code and District policies and procedures; ensures classes are not overenrolled and makes necessary accommodations for student overflow;
5. Directs the data entry, analysis, and reporting functions of all enrollment efforts, statistics, measures, and outcomes; ensures data integrity and reconciliation of data as needed;
6. Oversees the acceptance, review, and processing of intra- and inter-district transfers, caregiver affidavits, and same address affidavits; supports the Director of Pupil Services with transfer decisions;
7. Coordinates with other District departments to provide for student services including transportation, special education, and language assessment; facilitates the identification of special student populations including English Language Learners, Foster Youth, Homeless Students, and Migrant Students upon initial enrollment;
8. Works with school site attendance staff to provide accurate and timely enrollment data and reports;
9. Works with Information Technology Services to train and provide assistance to school site attendance staff; advises school site attendance staff and administrators of current requirements, regulations, and procedures;
10. Establishes, implements, and monitors program evaluation systems for all programs and services within assigned area of responsibility; designs and implements new forms and procedures as needed;
11. Creates long and short-term planning and evaluation of enrollment and attendance strategies and programs;
12. Interprets and explains a variety of District, county, and state policies, procedures, and regulations pertaining to enrollment; addresses concerns related to enrollment;
13. Interviews, selects, trains, counsels, evaluates, motivates, and disciplines employees assigned to the District Enrollment Center; acts as a resource to staff in problem-solving and providing feedback regarding potential problem situations;
14. Assists in the development and administration of the budget for assigned functions; controls and authorizes expenditures.

Other Related Duties

15. Attends conferences and workshops to maintain current knowledge of student enrollment procedures and related programs, trends, and practices;
16. Performs related duties and responsibilities as required.

BOARD AGENDA ITEM

Name of Contributor: Robin I. Freeman

Date of Meeting: 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT **X**
SECTION D: ACTION _____
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Approval of State Preschool Parent Handbook for 2016-2017 (Freeman/Thomas)

Each year, the Oxnard School District State Preschool Program must review, update and print a Parent Handbook. The Parent Handbook describes the various components of the State Preschool program, and the specific state and district requirements. The handbook is distributed to parents during orientation and/or monthly parent meetings at the start of the school year and is periodically reviewed with parents throughout the school year.

The Parent Handbook covers the State Preschool Program for the 2016-2017 school year.

FISCAL IMPACT:
None

RECOMMENDATION: It is the recommendation of the Assistant Superintendent Educational Services, and the Director of Curriculum, Instruction and Accountability, that the Board of Trustees approve State Preschool Parent Handbook for 2016-2017.

ADDITIONAL MATERIAL:
Attached: State Preschool Parent Handbook for 2016-2017 (28 Pages)

Classroom Volunteer Requirements

Parent volunteers must complete the *Volunteer Registration* form found in the preschool registration packet. Other immediate family member may volunteer in place of the parent only under these circumstances:

- If they are twenty-one (21) years old, and
- Have a tuberculosis clearance, and
- Have cleared fingerprints through U.S. Department of Justice. This may take up to 6 weeks

When you volunteer you must come without other children. Due to State licensing regulations, siblings and/or other children are not allowed to in the preschool classroom. We apologize for any inconvenience this may cause and ask that you make other arrangements for the care of siblings/other children while you are volunteering. Please sign in at the school front office for a badge before proceeding to the preschool classroom.

All volunteers in preschool must have Tuberculosis clearance.

Tuberculosis Clearance Requirements

Both paid and volunteer personnel, including participating parents and classroom volunteers, must have either a chest X-ray or a tuberculin test of intermediate strength, which is verified as negative. Documents verifying freedom from tuberculosis must be current (not to exceed four years), and records must be accessible for review by State personnel. When a tuberculin test result is positive, it should be followed immediately by further testing. Persons with positive tuberculin and X-ray results must be excluded from the classroom until they have been referred to a physician and negative test results have been verified by the physician. Tuberculosis tests can be performed at local health clinics.

Parents who have another person participating in their child's classroom must also provide proof of Tuberculosis clearance and fingerprint clearance.



Requisitos para Voluntarios en el Salón

Los padres voluntarios deben completar la solicitud denominada *Registro de Voluntario* que se encuentra en el paquete de registraci3n. Alg3n otro familiar puede ocupar el lugar del padre solamente bajo las siguientes circunstancias:

- Si son mayores de veinti3n (21) a3os de edad, y
- Proveen un certificado de tuberculosis librado, y
- Proveen certificado de aclaraci3n de huellas dactilares por medio del departamento de justicia de los estados unidos. Esto puede tomar hasta 6 semanas

Cuando Usted se ofrezca como voluntario debe presentarse sin otros ni3os. Hermanos ni otros ni3os se permiten en el sal3n debido a las reglas estatales. Disculpe cualquier inconveniencia que esto le cause y le solicitamos que realice lo necesario para que una persona cuide de sus ni3os mientras Usted participa en el sal3n. Por favor registrase en la oficina de la escuela para que reciba su gafete antes de proceder y entrar al sal3n preescolar.

Todo voluntario que participa en el sal3n preescolar debe tener certificaci3n de tuberculosis librado.

Requisitos de Tuberculosis Librado

Tanto el personal pagado como el personal voluntario, incluyendo a los padres participantes y voluntarios en el sal3n, debe tener Rayos-X del pecho o un examen de tuberculina de fuerza intermedia con resultados negativos. Los documentos que verifiquen que no tienen tuberculosis deben ser recientes (que no excedan cuatro a3os) y los datos deben estar accesibles para ser revisados por el personal del estado. Cuando un examen de tuberculina resulte positivo, debe ser seguido por otros ex3menes. Las personas que tengan resultados positivos en su examen de tuberculina y de Rayos-X deben ser excluidas del sal3n de clase hasta ser vistos por un doctor y que 3ste verifique que los resultados de su examen son negativos. Las pruebas de la tuberculosis se pueden realizar en las cl3nicas de salud locales.

Los padres que tienen a otra persona participando en el sal3n de su hijo tambi3n deben proveer prueba que esa persona tiene certificado de tuberculosis librado y que esa persona tiene certificado de aclaraci3n de huellas dactilares.

Daily School Attendance Requirements

Parents must sign-in and sign-out their child daily in the classroom using their full signature.

- **Children will only be released to those authorized on the *Emergency Card* and are at least 18 years old.**
- **Parents MUST pick up their child on time.** After three (3) written warnings, a termination notice may be issued.

Students are expected to be in attendance and on time daily. Parents must fill out and sign an absence slip when their child is absent from school. **Regular attendance plays a key role in student achievement. Unexcused absences should not exceed 3 days. It is the responsibility of the parent to contact the teacher when their child is absent from school or child may be dropped from the program.**

Excused Absences Include:

1. Illness/quarantine of child/parent
2. Family Emergency (Illness of sibling, funeral, immigration and other governmental appointments, sudden unforeseen circumstances)
3. Court ordered visitations are unlimited (must bring court order)

If your child has a fever, vomiting, diarrhea or has had a fever in the last 24 hours, please keep him or her home.

Unexcused absences include:

1. Oversleeping
2. No transportation
3. Rain
4. Personal

Best Interest Days:

Best Interest days are 10 excused absences per year and is at the discretion of the parent.

Medication

Teachers cannot administer medication to children. Parents are to make arrangements with school office personnel to give medication to children during school hours; this requires doctor's orders. Parents will be provided with information about purchasing medical insurance for their children, if they wish to do so.

Field Trips

Field trips in the preschool program are a privilege and are not a mandated activity. Parent participation is encouraged on these special events. Like in the classroom, no siblings are allowed on field trips. If a parent is not able to accompany their child, they may have another adult accompany child. This other adult must meet the volunteer requirements on page 7.

Requisitos de la Salud de los Estudiantes

Se hacen arreglos necesarios para que padres coordinen los exámenes físicos, de la vista, de los oídos y las vacunas con las clínicas locales de salud.

Exámenes Físicos

Antes de que un niño pueda asistir en el programa preescolar, es necesario que se le haga un examen físico y una evaluación, incluyendo las vacunas apropiadas para su edad. Cada distrito determina el tiempo específico que se permite para completar tales exámenes. Se consulta con los consejeros médicos locales y con las agencias de salud del condado para establecer un tiempo razonable basado en las circunstancias locales. El examen físico debe identificar cualquier problema especial de salud o cualquier discapacidad que pueda requerir atención especial o que pueda limitar las actividades del niño. Cualquier niño que recibe servicios de *Medi-Cal* puede recibir un examen físico con el *Medi-Cal* durante los meses de verano antes de matricularse en el programa preescolar. La Agencia del Condado de Salud y Prevención de Impedimentos de Niños y Jóvenes (CHDP) debe pagar por el examen físico después que el niño se registre en el Programa Preescolar del Estado y es la responsabilidad de los padres o guardianes de asistir a la cita.

Vacunas

Los estudiantes deben ser inmunizados contra ciertas enfermedades transmisibles. Los estudiantes están prohibidos de asistir a la escuela al menos que complan con los requisitos de inmunización para su edad y grado. El distrito escolar debe cooperar con los funcionarios de salud locales en las medidas necesarias para la prevención y control de enfermedades contagiosas en niños de edad preescolar. El distrito puede usar cualquier fondo, propiedad o personal y puede permitir a cualquier persona con licencia de médico o una enfermera registrada para administrar un agente de inmunización a cualquier estudiante cuyos padres hayan dado su consentimiento por escrito.

A partir del 1 de enero de 2016 los padres de los estudiantes en cualquier escuela, ya no serán autorizados a presentar una exención por creencias personales para una vacuna que se exige actualmente. Una exención por creencias personales en los archivos de la escuela antes del 1 de enero de 2016 seguirá siendo válida hasta que el estudiante entre al lapso siguiente de grado en kindergarten (incluyendo el kindergarten de transición) o 7º grado.

Los estudiantes no están obligados a tener vacunas si asisten a una escuela privada basada en el hogar o un programa de estudios independientes y no reciben instrucción basada en el aula. Sin embargo, los padres deben seguir proporcionando a sus escuelas registros de inmunización para estos estudiantes. Los requisitos de inmunización no prohíben a los estudiantes el acceso de educación especial y servicios relacionados requeridos por sus programas de educación individualizada.

Un estudiante que no está totalmente inmunizado puede ser excluido temporalmente de una escuela u otra institución cuando ese niño ha sido expuesto a una enfermedad específica y cuya prueba documental de su estado de inmunización no muestra prueba de inmunización contra una de las enfermedades transmisibles descritos anteriormente. La ley estatal requiere las siguientes vacunas antes de que un niño pueda asistir al programa preescolar:

Solamente los niños que hayan sido vacunados contra la difteria, tos ferina, poliomielitis, Hepatitis B, tétano, paperas, sarampión, y viruela pueden ser admitidos.

Excepciones

La excepción al requisito de vacunas se permite cuando:

1. Un niño con problemas médicos, los cuales de acuerdo a una declaración del doctor, prohíben temporal o permanentemente las vacunas requeridas. Sin embargo, cuando hay una buena causa para creer que un niño está padeciendo de una enfermedad infecciosa o contagiosa, el niño deber ser excluido temporalmente del programa hasta que el oficial local de salud esté satisfecho de que la enfermedad infecciosa o contagiosa ya no existe.

Health Requirements for students

Arrangements are made for parents to coordinate physical examinations, vision and hearing screening, and immunizations with local health clinics whenever possible.

Physical Examinations

A physical examination and evaluation, including age-appropriate immunizations, are required for each child prior to attendance in preschool. Each agency or district determines the specific amount of time to be allowed for completion of such examinations. Local medical advisers and county health agencies are consulted in establishing a reasonable time frame based on local circumstances. The physical examination should identify any special health problems or disabilities, which will require special attention or limit the child's activities. Any child who is a Medi-Cal recipient may receive a Medi-Cal physical examination during the summer months prior to preschool enrollment. The county's Child Health Disability Prevention (CHDP) Agency will fund the physical examination after the child is enrolled in the State Preschool Program and it is the responsibility of the parent/guardian to keep the appointment.

Immunizations

Students must be immunized against certain communicable diseases. Students are prohibited from attending school unless immunization requirements are met for age and grade. The school district shall cooperate with local health officials in measures necessary for the prevention and control of communicable diseases in preschool and school aged children. The district may use any funds, property, or personnel and may permit any person licensed as a physician or registered nurse to administer an immunizing agent to any student whose parents have consented in writing.

Beginning January 1, 2016, parents of students in any school will no longer be allowed to submit a personal beliefs exemption to a currently required vaccine. A personal beliefs exemption on file at school prior to January 1, 2016 will continue to be valid until the student enters the next grade span at kindergarten (including transitional kindergarten) or 7th grade. Students are not required to have immunizations if they attend a homebased private school or an independent study program and do not receive classroom-based instruction. However, parents must continue to provide immunizations records for these students to their schools. The immunization requirements do not prohibit students from accessing special education and related services required by their individualized education programs.

A student not fully immunized may be temporarily excluded from a school or other institution when that child has been exposed to a specified disease and whose documentary proof of immunization status does not show proof of immunizations against one of the communicable diseases described above. State law requires the following immunizations before a child may attend school:

Students entering the preschool program must present a health record which shows immunization against diphtheria, whooping cough, poliomyelitis, Hepatitis B, tetanus, mumps, measles, and chicken pox.

Exemptions

Exemption from immunization requirements is allowed when:

1. A child with a medical problem, which, according to the statement of a physician, prohibits the required immunizations, temporarily or permanently. However, if there is a good cause to believe that a child is suffering from a recognized contagious or infectious disease, the child shall be temporarily excluded from the program until the local health officer is satisfied that no infectious disease exists.

Asistencia Escolar

Los padres deben de ingresar las entradas y salidas de los niños, usando su firma completa.

- **Solo las personas autorizadas en la Tarjeta de Emergencia y mayores de 18 años pueden recoger a los niños.**
- **Los padres DEBEN recoger a sus niños a tiempo.** Un aviso de terminación se puede emitir después de tres (3) advertencias por escrito.

Los estudiantes deben asistir a clases todos los días y llegar a tiempo. Cuando algún niño no se presente a clases, los padres deben mandar una nota explicando la razón de la ausencia. **La asistencia regular tiene una parte importante en los logros de los estudiantes. Las faltas sin excusa no deben sobrepasar 3 días. Es la responsabilidad de los padres de comunicarse con la maestra si el niño no asiste a clase o de lo contrario el niño puede ser rebajado del programa.**

Faltas Justificadas Incluyen:

1. Enfermedad/Cuarentena del niño o niña/padre o madre
2. Emergencia familiar (enfermedad de hermanos, funeral, citas de inmigración y oficinas de gobierno, circunstancias imprevistas repentinas)
3. Visitas ordenadas por la corte son sin límite (debe traer la orden de la corte)

Si su niño o niña tiene calentura, vómito, diarrea o tuvo calentura en las últimas 24 horas, por favor que se quede en casa.

Faltas Sin Justificación Incluyen:

1. Se quedó dormido
2. Sin transportación
3. Lluvia
4. Personal

Días de Mejor Interés

Días de Mejor Interés son 10 ausencias justificadas por año y son a la discreción del padre o madre.

Medicamentos

Las maestras no pueden administrar medicamentos a los niños. Los padres deben hacer arreglos con el personal de la oficina escolar para darles medicamentos a los niños durante las horas de escuela; esto requiere órdenes de doctor. Al comienzo del año escolar, los padres, madres o guardianes recibirán información sobre cómo obtener seguro médico para sus hijos si lo desean.

Paseos Escolares

Paseos escolares del programa preescolar son un privilegio y no son un mandato. Se anima la participación de padres durante estos eventos. Como en el caso de la participación en el salón, no se permite hermanos en los paseos. Si los padres no pueden acompañar a su niño pueden mandar a otro adulto en su lugar. Este adulto debe satisfacer los reglamentos de voluntarios que se encuentran en las página 8.

General Safety Rules

This is a partial list of safety rules that we may ask parental help in enforcing with the children:

- Running is allowed outside on the grass areas only. Children should not run on the concrete portion of the play area, and should not run inside the classroom facility.
- Children using the slide must do so feet first.
- Balls are the only object allowed to be thrown. Children may not throw sand, toys, blocks, etc.
- “Indoor voices” must be used inside the classroom so that children can hear any instructions from teachers that may pertain to safety.

The Oxnard School District believes high expectations for student behavior, effective classroom management and parent involvement can minimize the need for discipline. Staff shall use preventative measures and positive conflict resolution techniques whenever possible. If necessary, teachers will request conferences with parents to address student behavior and implementation of a behavior improvement plan. Students possessing, exhibiting or threatening others with a weapon, dangerous instrument or imitation firearm are subject to suspension and/or expulsion in accordance with law, Board policy or administrative procedures.

Accidents, Injuries and Emergencies

We take precautions to provide a safe environment for your child. However, accidents do happen. Minor injuries will be taken care of at the preschool and an accident report will be sent home. In the event of a serious injury, parents will be notified immediately and action will be taken if necessary. **For this reason, it is extremely important that all of the information on your child’s emergency card is up-to-date at all times.** In a medical emergency, 911 will be called.

Fire, Disaster & Lock Down Drills

The preschool will participate in fire, disaster and lock down drills. Parents will be informed of all drills through the teacher notices.

Health and Safety Information

At Oxnard School District, safety is one of our top priorities. Your children are precious to us and we have implemented policies to make sure our school is a safe and healthy environment. Your child will be monitored from the time you drop them off until the moment you pick them up.



Elegibilidad Para Servicios Preescolares

Conformidad a requisitos, los niños son matriculados según los requisitos legales del Departamento de Educación de California - Programa Preescolar Estatal. Los requisitos para los programas preescolares son los siguientes:

Edad: Los niños deben cumplir cuatro años el o antes del 1 de septiembre. Se puede dar servicios a niños de 3 años después que todos los niños de 4 años reciban servicios.

Ingresos: Los ingresos de la familia deben ser iguales o más bajos del nivel máximo aprobado para el año en curso. Tome en cuenta las siguientes especificaciones:

- Los ingresos brutos mensuales de la familia son verificados con una declaración de ingresos, que acompaña el pago del empleador (talones de cheque), y por completar la forma *Verificación de Empleo* por el empleado.
- Las personas que trabajan por temporadas pueden calcular sus ingresos haciendo un promedio de los últimos doce meses por medio de documentación (talones de cheque).
- Cuando los ingresos de la familia son en efectivo en vez de por medio de cheque, estos ingresos se deben verificar por medio de una declaración escrita por parte del patrón (*Verificación de Empleo*).
- Se deben verificar los ingresos en bruto de las personas que tienen negocio propio (*income tax, reportes de negocio, carta de la fuente de ingresos*).

Prioridades para Ingresar

Más niños pueden cumplir los requisitos de elegibilidad que puedan ser servidos por el distrito. En la determinación de cuales niños serán matriculados, se aplica la siguiente lista de prioridad:

1. Niños recibiendo Servicios de Protección o niños que están a riesgo de ser descuidados, abusados, o explotados
2. Niños de cuatro años de edad con los ingresos más bajos
3. Niños de tres años de edad con los ingresos más bajos
4. La familia es receptor de asistencia pública
5. Familia sin hogar

Las listas de clases se hacen en Julio antes del comienzo del año escolar nuevo. Las matrículas subsecuentes se toman de la *Lista de Espera*, con prioridad a los niños cuyas familias tengan los ingresos más bajos, sin importar la fecha en que completaron la aplicación. El Distrito Escolar de Oxnard mantiene una lista de espera para el propósito de matrícula de acuerdo del código de regulaciones de California, título 5, sección 18106.

Confidencialidad - El proceso de matriculación requiere completar formas requeridas por el estado y distrito. Esta información se guarda en completa confidencialidad. Esta información no se comparte sin la autorización por escrito de padres.

Aviso de Acción/Petición del Padre para una Audiencia

Aprobación o negación de servicios se comunicará a los padres por medio de un documento por escrito llamado *Aviso de Acción*. El *Aviso de Acción* se mandará por correo dentro de 30 días de la fecha que los padres firmaron la aplicación. Si los padres no están de acuerdo con la acción pueden pedir una audiencia dentro de 14 días que recibieron el *Aviso de Acción*. Al pedir una audiencia, tal acción se suspende hasta que se complete el proceso de la revisión.

Eligibility for Preschool Services

Pursuant requirements, children are enrolled based on the legal requirements of California Department of Education - State Preschool Program. The requirements for preschool programs are:

Age: Children must be 4 years old on or before September 1st. 3-year olds can be served after all 4-year olds are served.

Income: Family income must be at or below the ceilings approved for the current year.

Specific items that should be kept in mind:

- Gross monthly family income must be verified with a statement of earnings, which accompanies payment from the employer (pay stubs). And completion of an *Employment Verification* form by the employer.
- Seasonal workers may average their gross income over the previous twelve months via documentation (pay stubs).
- Where income is received as cash, rather than by check, the amount is verified by a written statement from the employer (*Employment Verification*).
- Gross income must be verified for self-employed persons (*income tax, business reports/ledgers, letter from source of income*).

Admissions Priorities

More children may meet the eligibility requirements than can be served by the District. In the determination of which children should be enrolled, the following priority applies:

1. Children receiving services from Child Protective Services or children at risk of being neglected, abused, or exploited
2. Four-year-olds with lowest income
3. Three-year-olds with lowest income
4. Family is a public assistance recipient
5. Homelessness

Class lists are formed in July, prior to the opening date of the new school year. Each subsequent participant is drawn from the *State Preschool Waiting List* with priority for the child whose family has the lowest income, regardless of date of application. The Oxnard School District maintains a waiting list for the purposes of enrollment into the program pursuant to California Code of Regulations, Title 5, Section 18106.

Confidentiality - Enrollment process requires completion of state and district documents. Information gathered through this process is kept confidentially. This information is not shared without the written consent of parents.

Notice of Action/Parent Request for Hearing

Approval and/or denial of preschool services shall be communicated to the applicant through a written statement referred to as a *Notice of Action*. The *Notice of Action* shall be mailed to parents within 30 calendar days from the date application was signed by parent. If parent disagrees with an action, the parent may file a request for a hearing within fourteen calendar days of the date the *Notice of Action* was received. Upon filing a request for a hearing, the intended action shall be suspended until the review process has been completed.

Reglas Generales sobre Seguridad

Esta es una lista parcial de las reglas de seguridad para las cuales deseamos solicitar el apoyo de los padres con el fin de que se cumplan y refuercen con sus niños:

- No se permite correr dentro de las instalaciones. Se puede correr afuera sobre el pasto y únicamente en las áreas de corteza. Los niños no deben correr en el área pavimentada del patio de recreo.
- Los niños que se suban a la resbaladilla deben colocarse primero con las piernas hacia el frente.
- El único objeto que se puede lanzar son las pelotas. Los niños no pueden arrojar arena, lanzar juguetes, bloques, etcétera.
- Cuando en el salón, se debe emplear un “tono apropiado de voz” para que los niños puedan escuchar las instrucciones de los maestros relacionadas con la seguridad.

El distrito escolar de Oxnard cree que las altas expectativas del comportamiento de estudiantes, el manejo efectivo del salón y la involucración de padres puede reducir la necesidad de la disciplina. El personal usa métodos preventivos, resoluciones y técnicas positivas todas las veces que sea posible. Si es necesario, la maestra convocara una conferencia con padres para atender del comportamiento del estudiante, e implementar un plan de mejoramiento. Estudiantes que poseen, muestran, o amenazan a otros con un arma, instrumento peligroso o arma de imitación son sujetos a suspensión y/o expulsión de acuerdo a la ley, pólizas de la mesa directiva o procedimientos administrativos.

Accidentes, Lesiones y Emergencias

Tomamos las precauciones necesarias para proveerle a su hijo(a) un ambiente seguro. Sin embargo, los accidentes suceden. Las lesiones leves serán atendidas en el preescolar y se enviará a casa un resumen del accidente. En caso de que ocurra una lesión seria, se les notificará de inmediato a los padres y se efectuarán las medidas necesarias. **Por tal motivo, es absolutamente importante que toda la información detallada en la tarjeta de emergencia de su hijo(a) este actualizada en todo momento.** En caso de una emergencia médica, se contactará al 911.

Simulacros de Incendio, Desastre y de Cierre de Emergencia

El preescolar participará en simulacros de incendio, desastre y cierre de emergencia. Se les avisará de todos los simulacros a través de notificaciones de la maestra.

Información sobre la Salud y la Seguridad

Para el Distrito Escolar de Oxnard, la seguridad es una de nuestras prioridades principales. Sus hijos son lo más precioso para nosotros y hemos implementado reglas para cerciorarnos de que nuestra escuela sea un ambiente seguro y saludable. Su hijo será monitoreado desde el momento en que Usted lo deje en la escuela hasta el momento en que Usted lo recoja.

Description of Preschool Program

Preschool programs covered by this handbook are part-day educational programs for four-year-old children. The preschool facilities are licensed through State of California Community Licensing and are in good standing with the California Department of Education. Site Administrators, Teachers and Preschool Instructional Assistants hold required qualifications.

Classroom Environment

The classroom environment invites children to discover, create, explore, experiment, observe, discuss, and share. It is designed to be age-appropriate for the students.

Children's Program

The curriculum children experience is child-centered and reflects the program goals and objectives. Materials and activities are age and developmentally appropriate, meet the child's individual needs, interests and desires; and capitalizes on the child's strengths. The activities are open-ended providing for experimentation, problem solving and discussion between the children.

Site Personnel

Site personnel appreciate and value each child in their program. They are nurturing, compassionate people who are active listeners and care about each child. They appreciate, are sensitive to, accept and value the cultural, ethnic, and linguistic diversity of the children and hold each child's family in high regard. Teachers and Instructional assistance are provided with professional development opportunities to extend their knowledge of high quality instructional strategies.

Parent and Staff Partnership

Program personnel and parents acknowledge their joint responsibility for the education of the children and work together to establish partnerships based on mutual trust and respect. Parents and teachers work together on student conferences and parent workshops.

Administration

Administrators are knowledgeable about how children grow, develop and learn. They use this knowledge in designing a developmentally appropriate children's program.

Dress Code

All children should come to school in clothes suitable for many activities and play. They should wear comfortable shoes, Tennis shoes are recommended. No flip flops or open toed sandals as they can be dangerous and are not suitable for school. Play clothes are more appropriate. **Children in the preschool program are not required to wear school uniforms.**

Filosofía y Metas

Los programas preescolares son establecidos para proveer un ambiente enriquecido que beneficie el desarrollo intelectual, físico, emocional, social y cultural de su niño. Estudios muestran que los programas preescolares de calidad reducen la necesidad de clases remediadores en los grados subsecuentes. Durante los años preescolares, los niños desarrollan características que afectan su habilidad de aprendizaje de toda su vida.

El objetivo doble de nuestro programa preescolar es: Niños y sus Padres. Estudiantes se les provee experiencias apropiadas a su edad, en ambientes de alta lectura, y por personal capacitadas. Reconocemos que la familia tiene la mayor influencia en las capacidades del aprendizaje de un niño. La participación de padres en las actividades del salón les da la oportunidad de observar la conducta de su propio niño en un establecimiento formal de aprendizaje y les permite reforzar el aprendizaje en el hogar. Esperamos que al implementar el objeto doble prepararemos a nuestros estudiantes y familias a los rigores de la primaria y que nuestros estudiantes lleguen al kínder listos para aprender.

Diversidad Cultural/Igualdad de Géneros

Vivimos en una sociedad diversa. Una sociedad que incluye diferentes culturas, creencias y características físicas y mentales. Enseñarle acerca de la diversidad puede ayudarle a su niño a ser imparcial, justo, respetuoso de los derechos y sentimientos de otros, y consiente de las semejanzas y las diferencias de otras personas. Su niño puede estar mejor preparado para la supervivencia en un mundo que rápidamente va cambiando, un mundo donde las personas de diferentes culturas, religiones y antecedentes aprenderán, trabajaran y vivirán juntos, y las naciones estarán ligadas más cerca por medio de la tecnología y del comercio. Aun los niños pequeños pueden notar las diferencias en géneros, el color de la piel, habilidades físicas, etc., y comienzan a formar sus opiniones. El auto-estima saludable permite a los niños aceptar a otros. El sentirse orgulloso de uno mismo y de sus antecedentes no es lo mismo que sentirse superior a otros.

Nutrición

Todos los programas preescolares deben incluir la alimentación en sus programas; el requisito mínimo es un bocadillo el cual debe incluir dos grupos básicos de comida. Estudiantes en nuestro programa se le provee desayuno o almuerzo. Los programas preescolares deben adherirse a todas las leyes concernientes al manejo y la preparación de las comidas esto incluye completar la aplicación del programa de nutrición. Los alimentos se consumen en el salón, y los sobros se deshacen de acuerdo a las regulaciones del distrito. Padres pueden comprar un desayuno o almuerzo de la cafetería y participar en la hora de la comida. La hora de la comida proporciona alimentación adecuada y oportunidades de aprendizaje. Durante la hora del bocadillo, se proporcionan oportunidades para:

1. Proporcionar y construir experiencias de salud, ciencias y matemáticas.
2. Aumentar el conocimiento del sabor, el olfato y de la vista.
3. Proporcionar interacción social con los adultos y con otros niños.
4. Enriquecer el conocimiento de los niños acerca de las comidas.
5. Establecer un ambiente placentero para comer.

Philosophy and Goals

Preschool programs are established for the provision of an enriched environment to benefit your child's intellectual, physical, emotional, social and cultural development. Increasingly, research shows that quality preschool programs reduce the need for remedial classes in subsequent grade levels. During their pre-kindergarten years, children develop characteristics which affect their lifelong ability to learn.

The dual focus of our preschool programs is: Children, and their Parents. Children are provided with age and developmentally appropriate experiences, in literacy rich environments, by highly qualified personnel. We acknowledge that the family has the most influence on a child's learning potential. The participation of parents in classroom activities provides for observation of their own child's behavior in a formal learning setting and allows for the reinforcement of learning at home. We expect implementing a combined focus/goal will prepare students and families for the rigors of kindergarten and students step into kindergarten ready to learn.

Cultural Diversity/Gender Equity

We live in a diverse society, a society that includes people of many races, cultures, beliefs, and physical and mental characteristics. Teaching your child about diversity can help your child grow up to be open-minded, fair, respectful of others' rights and feelings, and aware of people's similarities and differences. Your child will be better prepared for life in a rapidly changing world, a world in which people of different cultures, backgrounds, and religions will learn, work and live together, and different nations will be more closely linked by communication technology and trade. Even young children notice differences in gender, skin color, physical abilities, and begin to form opinions. Healthy self-esteem allows children to accept others. Feeling good about yourself and your background is not the same as feeling superior to others.

Nutrition

Preschools are required to include nutrition in their programs; the minimum requirement is a snack, which includes two basic food groups. Students in our program are provided breakfast or lunch. Oxnard School Preschool programs must adhere to all regulations regarding access to nutrition program, food handling and preparation; this includes parents completing a Child Nutrition application. Meals are consumed in the classroom; uneaten portions are disposed of according to district regulations. Parents may purchase breakfast or lunch and join in the classroom mealtime. Mealtimes provide for adequate nutrition and opportunities for learning. During meal times, opportunities are provided to:

1. Provide and build concepts in health, science, and mathematics.
2. Broaden taste, smell, and visual awareness.
3. Provide social interaction with adults and other children.
4. Enrich children's knowledge of food.
5. Establish a pleasant eating environment.

Descripción del Programa Preescolar

Los programas preescolares que se describen en este folleto son programas educativos de medio día para niños de cuatro años de edad. Las instalaciones mantienen los permisos requeridos por el estado de California y mantienen buena postura con el departamento de educación del estado de California. Administradores, maestras, y asistentes mantienen las credenciales requeridas.

Ambiente Escolar

El ambiente del salón invita a los niños a descubrir, crear, explorar, experimentar, observar, discutir y compartir. El ambiente está diseñado a ser apropiado para edad de los estudiantes.

Programa Para Los Niños

El plan de estudio que los niños experimentan está centrado en el niño y refleja las metas y objetivos del programa. Materiales y actividades son apropiados para el desarrollo y de esta edad; satisface las necesidades individuales de los niños, sus intereses y deseos y saca provecho de la capacidad de los niños. Las actividades proveen a los niños con experimentos, solución de problemas y discusiones entre los niños.

Personal de la Escuela

El personal de la escuela aprecia y valora a cada niño en el programa. Son personas compasivas que escuchan y se preocupan por cada niño. Las maestras aprecian y son sensibles a, aceptan y valoran la cultura, los grupos étnicos y la diversidad lingüística de los niños y sostienen a cada familia en alto respeto. A las maestras y asistentes se les provee entrenamientos para aumentar su capacidad e entendimiento de estrategias de alta calidad.

Asociación de Padres y Personal de la Escuela

El personal de la escuela y los padres reconocen su mutua responsabilidad por la educación de los niños y trabajan juntos para establecer una colaboración basada en la confianza y el respeto mutuo. Los padres junto con las maestras colaboran en las conferencias de los estudiantes y en los talleres para los padres.

Administración

Los administradores están bien instruidos acerca del crecimiento y el desarrollo de los niños y de cómo aprenden. Ellos usan esta sabiduría al diseñar un programa apropiado para el desarrollo de los niños.

Código de Vestir

Todos los niños deben venir a la escuela con ropa adecuada para todo tipo de actividades incluyendo el juego. Deben usar zapatos cómodos, se recomiendan tenis. No se permiten las chancletas o las sandalias abiertas ya que éstas pueden ser peligrosas y no son aconsejables para usar en la escuela. La ropa para jugar es la más apropiada. **No es un requisito que los niños usen uniformes escolares en el programa preescolar.**

Schedule of Daily Activities Includes (but not to be limited to):

1. Verbal communication and the effective use of language in all experiences
2. Problem-solving skill development and concept formation
3. Creative expression and aesthetic appreciation
4. Experience building knowledge in all curriculum areas
5. Perceptual training to develop discriminatory skills
6. Development of a healthy self-concept
7. Experience building knowledge of various cultures
8. Peer interaction as well as interaction with adults
9. Large-group, small-group and individual experiences
10. Body movement for both large and fine motor development
11. Practice of good health and safety habits
12. Nutrition education as well as a healthy meal

Program Length

All programs will follow the District school calendar.

- ◆ No child may participate in more than one preschool class session per day.
- ◆ The Oxnard School District State Preschool Program provides class sessions of at least three hours per day. Home-to-school transportation time is not considered class time.
- ◆ Programs operate five days per week Monday through Friday.
- ◆ Children are enrolled for five days per week.
- ◆ Oxnard School District State Preschools operate a minimum of 175 days for at least three hours per day during the program year
- ◆ Morning Session runs 8:00am – 11:00am
- ◆ Afternoon Session runs 11:05am – 2:05pm

Evaluation of Children's Progress

Several methods are available to members of the instructional staff to encourage the systematic observation of children's behavior and the preparation of cumulative progress records. Informal evaluation of each child's development is a daily activity. A portfolio of individual student work will be maintained on all students. Individual progress and student portfolios are shared with parents during Parent/Teacher conferences.

Program Self Evaluation

Our preschool program adheres to State mandates by performing a yearly self-evaluation, and using findings to improve program quality. Key areas assessed are classroom environment, student growth and learning, and parent knowledge of child development.



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Horario de Actividades Diarias Incluye (pero no limitarse a):

1. Comunicación verbal y el uso efectivo del lenguaje
2. Desarrollo de las habilidades para resolver problemas y formar conceptos
3. Expresión creativa y la apreciación estética
4. Experimentar el aumento del conocimiento en todas las áreas del currículum
5. Entrenamiento perceptivo para desarrollar habilidades discriminatorias
6. Desarrollar un concepto saludable de uno mismo
7. Experimentar el aumento del conocimiento de varias culturas
8. Interacción con sus compañeros así como con personas adultas
9. Experiencias en grupos grandes, grupos pequeños y las experiencias individuales
10. Movimientos para desarrollar las habilidades brutas y finas del cuerpo
11. Practicar los buenos hábitos de sanidad y seguridad
12. Educación acerca de la nutrición así como una comida saludable

Duración del Programa

Todos los programas seguirán el calendario tradicional del distrito escolar.

- ◆ Ningún niño puede participar en más de una sesión de clase preescolar por día.
- ◆ El Programa Preescolar del Distrito Escolar de Oxnard ofrece sesiones de clases de al menos tres horas por día. El tiempo que emplean viajando del hogar a la escuela no se considera tiempo de clase.
- ◆ Los programas están en operación cinco días por semana, de lunes a viernes.
- ◆ Los niños son matriculados por cinco días a la semana.
- ◆ El Programa Preescolar Estatal del Distrito Escolar de Oxnard funciona un mínimo de 175 días por tres horas cada día durante el programa anual.
 - ◆ Sesión de la mañana corre de 8:00am – 11:00am
 - ◆ Sesión de la tarde corre 11:05am – 2:05pm

Evaluación del Progreso de los Niños

Hay varios métodos disponibles a los miembros del personal educativo para la observación sistemática del comportamiento de los niños y para la preparación de informes cumulativos de sus adelantos. La evaluación informal del desarrollo de cada niño es una actividad diaria. Se mantendrán portafolios del trabajo individual de todos los estudiantes. Adelantos individuales y portafolios del estudiante se comparten con padres durante las conferencias de padre y maestro.

Evaluación de Cuenta Propia del Programa

Nuestro programa preescolar observa e mandato estatal con ejecutar una evaluación de cuenta propia anualmente, y usar los resultados para mejorar la calidad del programa. Áreas claves que asesoran son el ambiente escolar, el aprendizaje y crecimiento del estudiante, y el conocimiento de padres sobre el desarrollo infantil.

Parent Involvement

Parents are involved in preschool programs before school begins through an orientation meeting, and during the school year through parent-teacher conferences, classroom participation, parent education workshops, and other various activities like parent surveys. Coordination of school and community efforts, including close communication, further strengthens the services available to parents.

Parent-Teacher Conferences

The parent-teacher conferences are part of home-school relationships. An important purpose of these conferences is to include parents in the shared responsibility for the education of their children. Conferences among all adults providing instruction are scheduled to share the goals of the program, observations of individual child behavior, as well as the individual progress of each child. These conferences are held twice per year.

Parents in the Preschool Classroom

Evaluation studies indicate that children whose parents become involved in their education **make substantially greater gains** than do children whose parents do not participate. This is an optimal opportunity for parents to learn strategies to extend their child's learning experience at home.

Parents are expected to participate a minimum of two (2) days each month in their child's classroom.

Children who are not enrolled in the program may NOT come with the parent during volunteer days.

Other family members may volunteer in place of the parent IF they are at least 21 years old and have a tuberculosis and fingertip clearance. When parents come to the preschool, their participation may range from observation to assigned tasks such as preparing materials and yard activities depending on the program needs and the interest of the individual parent. Parents are also expected to attend all parent meetings and workshops scheduled throughout the school year.

Cell phone use **is not permitted** during volunteer hours.



Bienvenidos

Deseamos darles la bienvenida a usted y su familia al Programa Preescolar Estatal. Tenemos un programa único y esperamos que ésta sea una amistad próspera. Nuestro personal siempre está dispuesto a trabajar en cooperación con los padres.

Este manual fue desarrollado para contestar algunas preguntas que ustedes puedan tener acerca de nuestras pólizas y programa. Por favor dediquen unos momentos a la lectura de este manual y manténgalo en un lugar conveniente para rápidamente poderlo usar. Si en cualquier momento tienen alguna pregunta, preocupación o sugerencia por favor no duden en compartirlas con nosotros.

Comunicado de Participación

La Mesa Directiva del Distrito Escolar de Oxnard cree en la importancia de que los padres/tutores y miembros de la comunidad tomen un interés en los asuntos que afectan al distrito escolar y a los estudiantes. Por eso, la Mesa Directiva anima a todo padre/tutor y miembro de la comunidad interesado a que visite las escuelas y participe en el programa educativo.

Requisitos No Sectarios y No Discriminatorios

El programa estatal preescolar del distrito es establecido de acuerdo con guías estatales y está disponible para cualquier niño que sea elegible sin tomar en consideración el sexo, orientación sexual, género, identificación de grupo étnico, raza, linaje, origen nacional, religión, color, discapacidad mental o física.

Ningún programa educativo preescolar puede incluir la devoción o la instrucción religiosa ni se pueden usar fondos para el apoyo general de cualquier sistema escolar privado o relacionado con la iglesia.

Proceso Uniforme de Quejas

Un proceso uniforme de quejas se usará para tratar cualquiera queja alegando el fracaso del distrito en cumplir con leyes estatales y/o federales relacionadas con programas educativos. Información sobre el Proceso Uniforme de Quejas (*Póliza 1312.3*), Acoso Sexual (*Pólizas 4119.11, 4219.11, 4319.11, y 5145.7*), el Proceso Uniforme de Quejas Williams (*Póliza 1312.4*) se puede encontrar en la página del Internet del Distrito en www.oxnardsd.org.

Welcome

We wish to welcome your family to our State Preschool Program. We have a unique program and we are looking forward to a rewarding friendship. Our staff is always pleased to work in cooperation with parents.

This handbook was developed to answer some of the questions you may have concerning our policies and program. Please take the time to read this handbook and keep it in a convenient place for quick reference. If at any time you have any questions, concerns, or suggestions, please feel free to share them with us.

Open Door Statement

The Oxnard School District Board of Trustees believes that it is important for parents/guardians and community members to take an active interest in the issues affecting district schools and students. Therefore, the Board encourages interested parents/guardians and community members to visit the schools and participate in the educational program.

Non-Discrimination and Non-Sectarian Requirements

The Oxnard School District State Preschool Program is established in accordance to state guidelines, and is available to any child who is eligible, without regard to sex, sexual orientation, gender, ethnic group identification, race, ancestry, national origin, religion, color, or mental or physical disability.

No preschool educational program may include religious worship or instruction, nor may any funds be used for the general support of any private or church-related school system.

Uniform Complain Procedures

Uniform complaint procedures shall be used to address any complaint alleging the district's failure to comply with state and/or federal laws related to educational activities. Uniform Complaint Procedures (*Board Policy 1312.3*), Sexual Harassment (*Board Policy 4119.11, 4219.11, 4319.11, and 5145.7*), and Williams Uniform Complaint Procedures (*Board Policy 1312.4*) can be found on the District's web page at www.oxnardsd.org.



Participación de Padres

Los padres se involucran en los programas preescolares antes de empezar la escuela a través de una junta de orientación, y durante el año escolar a través de conferencias entre los padres y las maestras, participación en el salón de clases, talleres de educación para los padres, y otras actividades como encuestas. La coordinación y los esfuerzos de la escuela y la comunidad incluyendo la estrecha comunicación refuerzan aún más los servicios disponibles a los padres.

Conferencias Entre Padres y Maestras

Las conferencias entre los padres y las maestras forman parte de la relación entre el hogar y la escuela. Un propósito importante de estas conferencias es de incluir a los padres en la responsabilidad de la educación de sus hijos. Conferencias entre los adultos que proveen instrucción son programadas para compartir tanto las metas del programa como el adelanto individual de cada niño y las observaciones acerca del comportamiento de cada niño. Estas conferencias ocurren dos veces por año.

Los Padres en el Salón Preescolar

Los estudios de evaluación indican que los niños cuyos padres participan en su educación **progresan más** que los niños cuyos padres no participan. Esta es una oportunidad sin igual para que padres aprendan las estrategias para extender el aprendizaje de sus hijos en casa.

Se espera que los padres participen un mínimo de dos (2) días cada mes en el salón de clases.

Los niños que no están matriculados en el programa preescolar NO pueden venir con los padres

Otros miembros de la familia pueden servir como voluntarios en vez de los padres SOLO si tienen por lo menos 21 años de edad y tienen prueba de que son libres de tuberculosis y tienen sus huellas digitales libradas. Cuando los padres vienen al salón preescolar su participación puede ser de observar hasta hacer algo que les hayan asignado tal como preparar materiales o actividades de recreo según las necesidades del programa y los intereses particulares de los padres.

No se permite el uso de teléfonos celulares mientras su estancia del salón.

Parent Education Program

Regular parent education meetings are planned cooperatively with parents and are held at least eight times a year, the meetings:

1. Include topics suggested by the parents
2. Include discussions related to the preschool program goals
3. Are designed to give parents a better understanding of child growth and development
4. Provide parents with information related to parenting skills

Parents may identify mutual special interests aside from the matters of child rearing and education. Whenever possible, staff members encourage and even assist in planning classes according to the expressed needs of the group, such as nutrition and meal planning, dealing with tragedies, domestic violence prevention or on topics or needs expressed by parents.

Parent Advisory Committee

Parent Advisory Committee is made up of parents and staff. The meetings are held every trimester. The purpose of the Parent Advisory Committee is to guarantee the effective and significant participation of parents with participating children, support the collaboration between school and home, advice the district on issues related to services to families and children, empower the role of parents as active participants in the education of their children and to advocate their own educational needs.

Communication with Schools and Community

The preschool program for children and parents is a part of the total education effort of the community. As such, it is important for the preschool staff to be aware of how their program relates to the kindergarten, primary, and upper grades. Communication is established between preschool and the elementary schools which will be receiving the preschool program children in subsequent years. Activities are planned throughout the school year to ensure articulation between programs. Some of these activities might be cross-visitations by the preschool and kindergarten teaching staff, participation of preschoolers in the elementary school holiday festivals, and orientation sessions for parents held by kindergarten staff. Equally important is the need to promote a better understanding throughout the community of the goals, objectives, and activities of the preschool program. Such information is readily available to community members. The district provides information to parents to enable them to make maximum use of community services and resources.

Thank you for choosing Oxnard School District State Preschool as the early education program for your child and family!

Preschool Personnel / *Personal Preescolar*

| | |
|--|---|
| Ritchen 2200 Cabrillo Way 385-1572 | Bertha Anguiano, Principal / <i>Directora</i> Flora Zuniga, Preschool Teacher / <i>Maestra</i> Alejandra Pamatz, Preschool Teacher / <i>Maestra</i> |
| Sierra Linda 2201 Jasmine Street 385-1581 | Principal pending / <i>Directora pendiente</i> Teresa Cerball, Preschool Teacher / <i>Maestra</i> Veronica Vanegas, Preschool Teacher / <i>Maestra</i> |
| Driffill 910 South E Street 385-1530 | Carol Flores-Beck, Principal / <i>Directora</i> Rosio Flores, Preschool Teacher / <i>Maestra</i> Yolanda Magaña, Preschool / <i>Maestra</i> |
| Elm 450 East Elm Street 385-1533 | Leticia Ramos, Principal / <i>Directora</i> Georgina Basaldua, Preschool Teacher / <i>Maestra</i> Ariana Palomar, Preschool Teacher / <i>Maestra</i> |
| McKinna 1611 South J Street 385-1563 | Anne Jenks, Principal / <i>Directora</i> AnaLilia Vasquez, Preschool Teacher / <i>Maestra</i> Maria Mendez, Preschool Teacher / <i>Maestra</i> |
| Rose Avenue 220 S. Driskill Street 385-1575 | Pablo Ordaz, Principal / <i>Directora</i> Sanjuana Torres Garcia AM Teacher / <i>Maestra</i> Angela Perez, PM Teacher / <i>Maestra</i> |
| San Miguel 2400 South J Street 385-1578 | Christine McDaniels, Principal / <i>Directora</i> Beatriz Chavez, Preschool Teacher / <i>Maestra</i> Teresita Kubilos, Preschool Teacher / <i>Maestra</i> |



BOARD OF TRUSTEES / Mesa Directiva

Mrs. Veronica Robles-Solis, *President*

Mrs. Debra M. Cordes, *Clerk*

Mr. Ernie Morrison, *Member*

Mr. Albert "Al" Duff Sr; *Member*

Mr. Denis O'Leary. *Member*

DISTRICT STAFF / Personal Del Distrito

Dr. Cesar Morales, *Superintendent*

Robin Freeman, *Assistant Superintendent Educational Services*

Anna Thomas, *Director of Curriculum, Instruction, and
Accountability*

Noemi Valdes, *Director of Early Childhood Education Programs*

Erica Murillo De Jeronimo, *Compensatory Education Assistant*

STATE PRESCHOOLS / Preescolares Estatales

Driffill State Preschool
Elm State Preschool
McKinna State Preschool
Ritchen State Preschool
Rose Avenue State Preschool
San Miguel State Preschool
Sierra Linda State Preschool

Programa de Educación para Padres

Por lo menos ocho veces al año se mantienen juntas regulares de educación de padres, planificadas cooperativamente con padres, las juntas:

1. Incluyen temas sugeridos por los padres
2. Incluyen discusiones relacionadas a los propósitos del programa preescolar
3. Son diseñadas para dar a los padres un mejor entendimiento del crecimiento y desarrollo infantil
4. Proporcionan a los padres con información relacionada con la habilidad de ser padres

Los padres pueden encontrar intereses mutuos aparte de las temas de criar y educar a los niños. Cada vez que sea posible, los miembros del personal animan y asisten en la planificación de clases de acuerdo a las necesidades que el grupo exprese tales como nutrición y planificación de comidas, discusiones sobre tragedias, la prevención de la violencia domestica o cualquier tema o necesidad expresada por los padres.

Comité Consejero de Padres

El Comité Consejero esta hecho de padres y personal. Las juntas se llevan a cabo cada cuarto de año. El propósito del Comité Consejero es de garantizar la participación efectiva y significativa de todos los padres de los niños participantes, apoyar la colaboración entre la escuela y el hogar, asesorar el distrito sobre cuestiones relacionadas con servicios a las familias y los niños, potenciar el papel de los padres en apoyar la educación de sus hijos y la promoción de sus propias necesidades educativas.

Comunicación con las Escuelas y la Comunidad

El programa preescolar para los niños y los padres forma parte del esfuerzo educativo de la comunidad. Como tal, es importante para el personal preescolar estar al tanto de la forma en que el programa se relaciona con el kindergarten y con los grados de primaria y secundaria. El personal preescolar debe establecer comunicación con las escuelas que reciben a los estudiantes del programa preescolar en años subsecuentes. Se planean actividades durante el año escolar para garantizar articulación entre programas. Algunas de estas actividades podrían ser el intercambio de visitas entre el personal del preescolar y el kindergarten, la participación de los niños preescolares en las festividades escolares de las escuelas elementarias y sesiones de orientación para los padres realizadas por el personal del kindergarten. Igualmente importante es la necesidad de promover una mejor comprensión a través de la comunidad acerca de las metas, los objetivos, y actividades del programa preescolar. Tal información es disponible para los miembros de la comunidad. El distrito proporciona a los padres la información que les permita hacer uso máximo de los servicios y refuerzos en la comunidad.

¡Gracias por elegir el Preescolar Estatal del Distrito Escolar de Oxnard como el programa de aprendizaje temprano para su estudiante y familia!

NOTES/NOTAS:



Oxnard School District

1051 South "A" Street • Oxnard, California 93030 • 805/385-1501 ext. 2322

State Preschool Parent Handbook

Preescolar Estatal Manual para Padres

2016-2017

Published and Distributed by Educational Services Department:
CURRICULUM, INSTRUCTION, & ACCOUNTABILITY
EARLY CHILDHOOD EDUCATION PROGRAMS



BOARD AGENDA ITEM

Name of Contributor(s): Dr. Morales/Lisa Cline

Date of Meeting: 8/3/16

| | | |
|--------------------------------------|-------------------------------|-------------------------------|
| STUDY SESSION | _____ | |
| CLOSED SESSION | _____ | |
| SECTION B: HEARINGS | _____ | |
| SECTION C: CONSENT AGENDA | <u> X </u> | |
| SECTION D: ACTION | _____ | |
| SECTION E: REPORTS/DISCUSSION | _____ | |
| SECTION F: BOARD POLICIES | 1 st Reading _____ | 2 nd Reading _____ |

Setting of Date for Public Hearing to Present the Results of a Preliminary Environmental Assessment for the Remainder of the Lemonwood Site (Morales/Cline/CFW)

The California Department of Toxic Substances Control (DTSC) provides oversight of site environmental review where State funds will be used for acquisition or construction of new school sites. Required environmental studies for the first phase of construction have been completed and as required by the DTSC, a Preliminary Environmental Assessment (PEA) report has been prepared for the remainder of the Lemonwood site. The PEA presents investigation results and conclusions based on a health risk screening evaluation of the remainder of the Lemonwood school site. At the conclusion of a PEA, a 30-day public review period is required. Accordingly, the District has completed the PEA report and the public review period is open from August 1, 2016 through August 30, 2016.

A Notice of Public Hearing was posted on August 1, 2016. There will be a public hearing for the PEA report on August 24, 2016 at 7:00pm in the Oxnard School District Board Room, located at 1051 South A Street in Oxnard, CA 93030. The purpose of the public hearing is to present the PEA results, receive public comments, and answer related questions.

FISCAL IMPACT:

None

RECOMMENDATION:

It is the recommendation of the Superintendent and the Deputy Superintendent, Business and Fiscal Services, in conjunction with Caldwell Flores Winters, that the Board of Trustees approve setting the date of August 24, 2016 for a Public Hearing to present the Preliminary Environmental Assessment results for the Remainder of the Lemonwood Site.

ADDITIONAL MATERIAL(S):

Notice of Public Hearing (1 page)



OXNARD SCHOOL DISTRICT

1051 South A Street • Oxnard, CA 93030 • (805) 385-1501 • www.oxnardsd.org

NOTICE OF AVAILABILITY AND PUBLIC HEARING FOR THE PRELIMINARY ENVIRONMENTAL ASSESSMENT (PEA) FOR THE REMAINDER OF THE LEMONWOOD ELEMENTARY SCHOOL SITE

The California Department of Toxic Substances Control (DTSC) provides oversight of site environmental review where State funds will be used for acquisition or construction of new school sites. Required environmental studies for the first phase of construction have been completed and as required by the DTSC, a Preliminary Environmental Assessment (PEA) has been prepared for remainder of the Lemonwood Elementary School site associated with the K-8 Lemonwood Elementary School Reconstruction Project at 2200 Carnegie Court, Oxnard, CA 93033. The PEA presents investigation results and conclusions based on a health risk screening evaluation of the remainder of the Lemonwood school site.

Pursuant to California Education Code section 17213.1(a)(6)(B) the Oxnard School District hereby gives public notice that a PEA has been prepared for the remainder of the Lemonwood school site associated with the K-8 Lemonwood Elementary School Reconstruction Project, based on field work performed in May 2016. The PEA is available for public review and comment, and the District will hold a public hearing on the PEA on **Wednesday August 24, 2016** at 7:00pm, or as soon thereafter as practicable, at the Oxnard School District Board Room, 1051 South “A” Street, Oxnard, CA 93030.

Public review: The District has elected to make the PEA available for public review and comment pursuant to California Education Code section 17213.1(a)(6)(B). The public review and comment period begins on **August 1, 2016** and ends on **August 30, 2016**. During this period the District will receive written comments on the PEA. Written comments must be received no later than **August 30, 2016**, at the following address:

Attention: Lisa Cline, Deputy Superintendent, Business and Fiscal Services

Oxnard School District
1051 South “A” Street
Oxnard, CA 93033

The following documents are available to the Public on request during the public review period:
(1) the PEA, (2) copies of DTSC comments

By: Lisa Cline
Deputy Superintendent,
Business & Fiscal Services
(805) 385-1501, ext. 2401

Board Agenda Item

NAME OF CONTRIBUTOR: Jonathan Koch **DATE OF MEETING:** August 3, 2016

STUDY SESSION _____

CLOSED SESSION _____

SECTION A: PRELIMINARY _____

SECTION B: HEARINGS _____

SECTION C: CONSENT _____ **X** _____

SECTION D: ACTION _____

SECTION E: REPORTS/DISCUSSION _____

SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

TITLE: Establish/Abolish/Increase/Reduce Hours of Position

DESCRIPTION OF AGENDA ITEM:

Establish

a six hour, 183 day Speech and Language Pathology Assistant, position number 7756, to be established in the Neighborhoods for Learning department. This position will be established to provide services at Ramona school.

a six hour, 183 day Speech and Language Pathology Assistant, position number 7755, to be established in the Neighborhoods for Learning department. This position will be established to provide services at Ramona school.

a five and a half hour, 246 day Secretary, position number 7765, to be established in the Budget & Finance department. This position will be established to provide additional support for the department.

Abolish

a five and a half hour, 246 day Office Assistant II, position number 7577, to be abolished in the Budget & Finance department. This position will be abolished due to the lack of work.

Increase

an eight hour, 210 day Warehouse Worker, position number 1016, to be increased to 215 days in the Warehouse. This position will be increased to provide additional support to K-8 schools.

FISCAL IMPACT:

Cost for Speech Language Pathology Assistant - \$49,611.00 NfL

Cost for Speech Language Pathology Assistant - \$49,611.00 NfL

Cost for Secretary - \$40,126.00 General

Savings for Office Assistant II - \$34,977.00 General

Cost for Warehouse – \$916.00- 50% CNS and 50% General

RECOMMENDATION:

Approve the establishment, abolishment and increase of positions, as presented

ADDITIONAL MATERIAL(S): None

Board Agenda Item

NAME OF CONTRIBUTOR: Jesus Vaca/Jonathan Koch **DATE OF MEETING:** August 3, 2016

- STUDY SESSION _____
- CLOSED SESSION _____
- SECTION A: PRELIMINARY _____
- SECTION B: HEARINGS _____
- SECTION C: CONSENT _____ **X** _____
- SECTION D: ACTION _____
- SECTION E: REPORTS/DISCUSSION _____
- SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

TITLE: Personnel Actions (Vaca/Koch)

DESCRIPTION OF AGENDA ITEM:

The attached are recommended personnel actions presented to the Board of Trustees for consideration. The salary placement for the individuals employed will be in accordance with salary regulations of the district. Personnel actions include: New Hires, transfers, pay changes, layoffs, recall from layoffs, resignations, retirements, and leave of absence.

RECOMMENDATION:

Approve the Personnel Actions, as presented.

ADDITIONAL MATERIAL(S):

- Classified Personnel Actions
- Certificated Personnel Actions

CERTIFICATED PERSONNEL

Listed below are recommended certificated personnel actions presented for consideration by the Board of Trustees. The salaries for the individuals employed will be determined in accordance with salary regulations of the District.

NEW HIRES

| | | |
|------------------------------|---|-----------------------|
| Philip Bullard | Teacher, Physical Education, Driffill | August 16, 2016 |
| Alexis Davila | Teacher, Grade 3 Bil, Kamala | August 16, 2016 |
| Nathan L. Driver | Teacher, English Language Arts, Haydock | August 16, 2016 |
| Cecilia Gonzalez | Teacher, 4/5 DLI, Soria | August 16, 2016 |
| Thomas Gonzalez | Teacher, Social Science, Chavez | August 16, 2016 |
| Lori E. Guadarrama | Teacher, Science, Haydock | August 16, 2016 |
| Joan Louth | Elementary Support Teacher, Kamala | August 16, 2016 |
| Shane Morales | Teacher, Science, Fremont | August 16, 2016 |
| Teresa Toscano | Speech/Language Specialist, McAuliffe | August 16, 2016 |
| Ronald Williams | Teacher, Physical Education, Kamala | August 16, 2016 |
| Rae Ann Gonzales Villalpando | Substitute Teacher | 2016/2017 School Year |
| Chuy Leon | Substitute Teacher | 2016/2017 School Year |

RETIREMENT

| | | |
|--------------|----------------------------|---------------|
| Nancy Taylor | Resource Specialist, Soria | June 17, 2016 |
|--------------|----------------------------|---------------|

RESIGNATION

| | | |
|-----------------|--------------------------------|---------------|
| Gina Arroyo | Teacher, English Language Arts | June 17, 2016 |
| David Carlson | Teacher, 5 SEI, McKinna | June 17, 2016 |
| Shannon Coletti | Principal, Sierra Linda | June 30, 2016 |
| Roxana Ford | Teacher, Spanish, Haydock | June 17, 2016 |
| Shanell Semien | Assistant Principal, Fremont | June 30, 2016 |
| Monica Vallejo | School Nurse, Pupil Services | June 18, 2016 |

LEAVE OF ABSENCE

| | | |
|--------------|--|---------------------|
| Heather Rose | Elementary Support Teacher, Elm School | 7/1/2016 – 7/1/2017 |
|--------------|--|---------------------|

Temporary Contract Expiring

The following temporary certificated employees' contracts expire effective the end of the 2015/2016 school year (June 17, 2016),

Juanita Abarca
Gabriela Ambriz *
Jasmin Arceo *
Alex Arevalo *
Kyle Beck
Katherine Billet *
Debra Blake *
Donna Bragg
Diane Brooks *
Rex Burke *
Eva Calderon *
Alexis Davila
Ingrid Davis *
Alyxandra Dudley *
Cruz Earls-Mrstik *
Judith Gorcey *
Dale Gordon *
Rae Anne Gonzales-Villalpando
Lynne Haavaldsen *

Rachel Herskowitz *
Karen Houle *
Jennifer Huynh *
Rosalind Kasamis *
Maria Kirk *
Teresa Lapata *
Mary Lang *
Keri Leitch *
Lawrence Libman *
Marilu Lopez *
Frank Lucido *
Erin Lynch *
Diane Maag *
Martha Magana
Karen Manny *
Virginia Matthews *
Candice McHenry *
Stacy McLaughlin *
Susan Nemets *

Katie Norton *
Andrew Nourok *
Mark Orosco *
Marilynne Parker *
Katherine Pichelli *
Angelica Railey *
Carolyn Reed *
Beatrice Rouse *
Pamela Sanchez *
Katie Shepley
Irma Sixbey *
Randall Smith *
Kathleen Sullivan *
Ricardo Torres Hernandez
Rachel Valdivia Ornelaz *
Jane Van Daalwyk *
Catherine Vidal *
Eloise Vinton *
Charity Whitney *

* Intervention Services Provider

CLASSIFIED PERSONNEL ACTIONS

New Hire

| | | |
|-------------------------|---|------------|
| Curwood, Sandra C. | Director of Child Nutrition Services, Position #108 Child Nutrition Services 8.0 hrs./246 days | 07/18/2016 |
| Orejel, Judith | Intermediate School Secretary (B), Position #6709 Driffill 8.0 hrs./192 days | 08/09/2016 |
| Serrano, Gabriela M. | Outreach Specialist, Position #2563 Lemonwood 8.0 hrs./180 days | 08/18/2016 |
| Velasquez Tellez, Mayra | Attendance Accounting Technician (B), Position #634 Driffill 8.0 hrs./210 days | 08/01/2016 |
| Wojcik, Stephen | Information Data Technician, Position #7472 Information Technology 8.0 hrs./246 days | 07/18/2016 |

Exempt

| | | |
|------------------|------------------|------------|
| Ambriz, Braulio | Campus Assistant | 04/11/2016 |
| Madrid, Jennifer | Campus Assistant | 05/26/2016 |
| Murillo, Yenesi | Campus Assistant | 05/04/2016 |
| Tucker, Vincent | Campus Assistant | 05/18/2016 |
| Wagner, Deanna | Campus Assistant | 05/09/2016 |

Limited Term

| | | |
|---------------------------|--------------|------------|
| Arevalo Barajas, Antonia | Paraeducator | 06/16/2016 |
| Collazo, Lucia | Paraeducator | 06/17/2016 |
| Frenes, Daniel | Custodian | 07/08/2016 |
| Galvan, Judith V. | Paraeducator | 07/11/2016 |
| Gomez, Maribel | Paraeducator | 06/17/2016 |
| Hernandez, Juan Jose | Custodian | 07/14/2016 |
| Jimenez, Berenice | Paraeducator | 06/17/2016 |
| Lara, Alexis | Paraeducator | 06/20/2016 |
| Lopez Martinez, Jose Omar | Custodian | 07/14/2016 |
| Macias, Jorge A. | Paraeducator | 06/17/2016 |
| Napoles, Carlos | Paraeducator | 06/17/2016 |
| Ruiz, Eduardo | Custodian | 07/14/2016 |
| Salazar, Christina | Paraeducator | 07/18/2016 |
| Toxql Ramirez, Maria | Paraeducator | 06/17/2016 |
| Wagner, Sharon | Custodian | 07/14/2016 |
| Zamora, Alma R. | Paraeducator | 07/13/2016 |

Promotional

| | | |
|-----------------|---|------------|
| Olmos, Diane | Paraeducator III, Position #1079 Special Ed. 5.75 hrs./183 days Assistant to the Physically Handicapped, Position #704 Special Ed. 7.0 hrs./183 days | 08/16/2016 |
| Varela, Esteban | Child Nutrition Coordinator, Position #1388 Ramona 8.0 hrs./189 days Child Nutrition Worker, Position #2214 Fremont 5.0 hrs./185 days | 08/11/2016 |

Increase in Hours

| | | |
|----------------------|--|------------|
| Ruvalcaba, Rosalinda | Office Assistant II (B), Position #2156 Harrington 7.0 hrs./203 days Office Assistant II (B), Position #2156 Harrington 6.0 hrs./203 days | 08/01/2016 |
|----------------------|--|------------|

Transfer

| | | |
|--------------------|---|------------|
| Arroyo, Martha | Child Nutrition Worker, Position #6408 Lemonwood 5.0 hrs./185 days Child Nutrition Worker, Position #1394 Curren 4.5 hrs./185 days | 08/15/2016 |
| Cabrera, Karina H. | Intermediate School Secretary, Position #5388 Frank 8.0 hrs./192 days Intermediate School Secretary, Position #6244 Lemonwood 8.0 hrs./192 days | 08/09/2016 |
| Camarena, Rosy | Office Assistant II (B), Position #2185 Sierra Linda 8.0 hrs./203 days Office Assistant II (B), Position #631 Driffill 8.0 hrs./203 days | 08/01/2016 |
| Fox, Timothy | Custodian, Position #39 District Office 8.0 hrs./246 days Custodian, Position #2543 McAuliffe 4.0 hrs./246 days | 07/11/2016 |
| Garcia, Sarah | Child Nutrition Worker, Position #2840 McKinna 4.0 hrs./185 days Child Nutrition Worker, Position #2789 McAuliffe 5.0 hrs./185 days | 08/15/2016 |
| Olague, Hilda | Paraeducator II (B), Position #1324&1325 Special Education 5.5 hrs./183 days Instructional Assistant Speech, Position #679 Special Education 5.5 hrs./183 days | 08/16/2016 |
| Ramirez, James | Custodian, Position #499 Driffill 8.0 hrs./246 days Custodian, Position #6448 Driffill 4.0 hrs./246 days | 07/18/2016 |
| Vivanco, Regina | Paraeducator I (B), Position #7189 Ritchen 4.0 hrs./183 days Paraeducator I, Position #7172 Driffill 2.0 hrs./183 days | 08/16/2016 |

Recall of Layoff

| | | |
|------------------|--|------------|
| Bollington, Mary | Secretary, Position #7765 Budget & Finance 5.75 hrs./246 days | 07/01/2016 |
|------------------|--|------------|

In Lieu of Layoff

| | | |
|----------------------|--|------------|
| Donate, Beverly | Paraeducator I, Position #7708 Curren 5.5 hrs./183 days Assistant to Physically Handicapped, Position #1002 Special Education 7.0 hrs./183 days | 08/16/2016 |
| Ortega, Benjamin | Site Technology Technician, Position #2503 Chavez 8.0 hrs./246 days Site Technology Technician, Position #7132 Kamala 5.75 hrs./192 days | 08/01/2016 |
| Warrick, Roderick A. | Site Technology Technician, Position #2511 Ramona 8.0 hrs./246 days Site Technology Technician, Position #2946 Frank 5.0 hrs./246 days | 07/11/2016 |
| Spruiell, Melissa | Paraeducator I, Position #7331 McAuliffe 5.75 hrs./183 days Assistant to Physically Handicapped, Position #1275 Special Education 7.0 hrs./183 days | 08/16/2016 |

Unpaid Leave of Absence

| | | |
|-----------------|---|-----------------------|
| Amezcuca, Daisy | Accounting Specialist III, Position #1810 Budget & Finance 8.0 hrs./246 days | 06/20/2016-07/17/2016 |
|-----------------|---|-----------------------|

Resignation

| | | |
|---------------------|--|------------|
| Bautista, Juan | Outreach Specialist, Position #563 Chavez 8.0 hrs./180 days | 06/17/2016 |
| Chavez, Jemal | Bus Driver, Position #1117 Transportation 8.0 hrs./183 days | 06/28/2016 |
| Gatza, Jason | Site Technology Technician, Position #2511 Ramona 8.0 hrs./192 days | 06/23/2016 |
| Jimenez, Victoria | Intermediate School Secretary, Position #7015 Chavez 8.0 hrs./192 days | 06/23/2016 |
| Muriithi, Bernard | School Occupational Therapist, Position #2865 Special Education 8.0 hrs./203 days | 06/24/2016 |
| Salas, Cristina | Library Media Technician, Position #2525 Rose Ave. 5.0 hrs./190 days | 06/20/2016 |
| Snyder, Jonathan | Site Technology Technician, Position #2503 Chavez 8.0 hrs./246 days | 07/28/2016 |
| Zinik, Alexandra R. | Paraeducator III, Position #5561 Special Education 5.75 hrs./183 days | 07/15/2016 |

Retirement

| | | |
|------------------|---|-----------------------|
| Bautista, Sandra | Bus Driver, Position #433 Transportation 8.0 hrs./183 days | 03/02/1988-07/15/2016 |
| Gomez, Manuela | Paraeducator II, Position #6717 Special Education 5.75 hrs./183 days | 09/11/73-06/17/2016 |

BOARD AGENDA ITEM

Name of Contributor(s): Dr. Cesar Morales/Lisa Cline

Date of Meeting: 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT AGENDA _____
SECTION D: ACTION **X**
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Approval of WAL #006 with ATC Group Services LLC for a Soil Management Plan Associated with the Lemonwood School Reconstruction Project (Morales/Cline/CFW)

Construction of the new Lemonwood school is planned to occur over two phases to minimize disruptions to the ongoing educational program. Required environmental studies for the first phase of construction have been completed and as required by the Department of Toxic Substances Control (DTSC), a Preliminary Environmental Assessment (PEA) report has been prepared by ATC for the remainder of the Lemonwood site.

The PEA report, as accepted by DTSC, recommends that a Soil Management Plan (SMP) be prepared in conjunction with a deed restriction for the property. The SMP will require DTSC review and approval and detail actions to be undertaken whenever soils at the site are disturbed during both planned and unplanned future construction activities at the site. Once the DTSC approves the SMP, the District would need to accept and enter into a long term deed restriction (Land Use Covenant) for the property which would restrict the property to non-residential uses. The attached WAL #006 provides the scope of work required for ATC to prepare the SMP for a total not to exceed fee of \$5,860.00. District staff, in consultation with Caldwell Flores Winters, Inc., recommend that the Board of Trustees approve WAL #006 with ATC as follows:

Master Agreement: **#13-135**
WAL: **WAL #006**
Consultant: **ATC Group Services LLC (formerly Cardno ATC)**
Date Issued: **August 3, 2016**
Amount: **\$5,860.00**

FISCAL IMPACT:

The attached WAL #006 is for a not to exceed amount of \$5,860.00. This fee is included in the budget for the reconstruction of the Lemonwood K-8 School and will be funded through Measure R Funds.

RECOMMENDATION:

It is the recommendation of the Superintendent, and the Deputy Superintendent, Business & Fiscal Services, in consultation with Caldwell Flores Winters, that the Board of Trustees approve WAL #006 with ATC Group Services LLC in the amount not to exceed \$5,860.00 for a Soil Management Plan associated with the Lemonwood School Reconstruction Project per Master Agreement #13-135 with ATC.

ADDITIONAL MATERIAL(S):

- WAL#006, ATC Group Services LLC (formerly Cardno ATC) (1 Page)
 - Proposal (5 Pages)
 - Master Agreement #13-135, Cardno ATC (32 Pages)
-

GOALS:

- ***District Goal Three: Adopt and Implement a Comprehensive Facilities Program that Improves Student Performance, Maximizes State Funding Opportunities and Reduces Overcrowding at Existing School Sites***



WORK AUTHORIZATION LETTER

GENERAL INFORMATION

| | |
|---|-------------------------|
| PROJECT #: 3 | DATE: 8/3/2016 |
| SITE NAME: Lemonwood Elementary School | DSA #: 03-116026 |
| MASTER AGREEMENT #: 13-135 | OPSC #: |
| WAL #: 006 | VENDOR ID: |

PURSUANT TO MASTER AGREEMENT BETWEEN:

| DISTRICT | CONSULTANT | |
|--|--------------------------|--|
| OXNARD SCHOOL DISTRICT 1051 South A Street Oxnard, CA 93030 (805) 385-1501 | Firm Name: | ATC Group Services LLC (formerly Cardno ATC) |
| | Street: | 25 Cupania Circle |
| | City, State, Zip: | Monterey Park, CA 91755 |
| | Phone: | 323-517-9780 |

SCOPE OF SERVICES TO BE PERFORMED UNDER THIS WAL

ATC has prepared a Preliminary Environmental Assessment (PEA) for the remainder of the Lemonwood School site. The PEA report recommends that a deed restriction be recorded for the site and that a Soil Management Plan (SMP) be prepared. The SMP will detail actions to be undertaken whenever soils at the site are disturbed during both planned and unplanned future construction activities at the site. ATC will perform the scope of work under the Deed Restriction and SMP Approach described in the attached proposal dated July 12, 2016.

(ATTACH ADDITIONAL PAGES AS NECESSARY)

SCHEDULE OF SERVICES TO BE PERFORMED UNDER THIS WAL

| | |
|-----------------------------|-----------------------------------|
| START DATE: 8/3/2016 | COMPLETION DATE: 9/15/2016 |
|-----------------------------|-----------------------------------|


FIXED FEE AMOUNT: \$5,860

This fee amount is based upon Consultant's proposal dated 7/12/2016 and subsequent negotiations mutually agreed to by all parties

This WAL is inherently a part of the Master Agreement referenced above. It is bound by the general terms and conditions of the Master Agreement. This WAL describes in detail the Consultants specific Scope of Services, agreed upon lump sum fixed fee, agreed upon schedule for completion of Services, and other provisions required to clearly indicate the required Services, and terms of this WAL.

This WAL and associated Master Agreement hereby supercede any and all terms, conditions, and other provisions of the Consultant's Proposal; and such terms, conditions, and other provisions are null and void, and are not incorporated to any extent as part of this WAL and associated Master Agreement whether or not they are directly superceded by this WAL and/or the associated Master Agreement.

IN WITNESS THEREOF, THE PARTIES HAVE AGREED TO AND EXECUTED THIS WAL AS SET FORTH BELOW:

| DISTRICT | CONSULTANT |
|-------------------------------|--|
| OXNARD SCHOOL DISTRICT | CONSULTANT |
| (SIGNATURE) | (SIGNATURE)  |
| (DATE) | (DATE) 7/14/16 |

FOR DISTRICT USE ONLY

| | |
|--|---|
| PROJECT MANAGER: Patricia Raphael Garcia (CFW) | PREPARED BY: Patricia Raphael Garcia (CFW) |
| P.O. # | P.O. AMOUNT: |
| SOURCE OF FUNDS: <input checked="" type="checkbox"/> MEASURE "R" <input type="checkbox"/> DEF. MAINT. <input type="checkbox"/> DEV. FEES <input type="checkbox"/> OTHER _____ | |
| COST ID: 6171 - Environmental Studies | |

Patricia Raphael Garcia
(PM APPROVAL SIGNATURE)

7/15/16
(DATE)

SPECIAL INSTRUCTIONS:

July 12, 2016

Patricia Raphael Garcia
Oxnard School District
c/o Caldwell Flores Winter, Inc.
1901 S. Victoria Avenue, Suite 106
Oxnard, California, 93035

Sent via email: praphael@cfwinc.com

RE: Proposal for Post-PEA Work
Lemonwood Elementary School
2200 Carnegie Court
Oxnard, California 93035
ATC Project Number: 1011600537

Dear Ms. Garcia:

ATC Group Services LLC (ATC) is pleased to submit this Proposal to the Oxnard School District (OSD) for additional work associated with the Lemonwood Elementary School (Lemonwood) site located at 2200 Carnegie Court in Oxnard, California. ATC had prepared a *Preliminary Endangerment Assessment (PEA) Report*, dated July 5, 2016 which recommended a deed restriction be recorded for the site and that a Soil Management Plan (SMP) be prepared, in lieu of proceeding with a Removal Action Workplan (RAW) process to address residual pesticides detected in soil at the site.

The Department of Toxic Substances Control (DTSC) has yet to respond to ATC's PEA report; however, it is ATC's understanding that due to timeline constraints, the OSD is requesting a cost proposal for both the deed restriction/SMP approach and the RAW approach. Both proposed scopes of work and associated costs are presented below.

PROPOSED SCOPE OF WORK – Deed Restriction and SMP Approach

It is ATC's expectation that negotiation of a deed restriction for the site via a Land Use Covenant Agreement (LUCA) will be performed primarily between the OSD and the DTSC; however, ATC has included a limited amount of time in the proposal budget to assist with the deed restriction process.

Prior to the LUCA being finalized with the DTSC, an SMP will need to be prepared and approved by the DTSC. The SMP will detail actions to be undertaken whenever soils at the site are disturbed during both planned and unplanned future construction activities at the site. The report will include:

- The preparation of a Health and Safety Plan which outlines both hazardous conditions that may be encountered at the site and the minimum personal protective equipment requirements for all site workers.



- Appropriate dust suppression measures to take when excavating and/or stockpiling soil on-site.
- Appropriate stockpiling procedures for excavated soils, including recommended chemical analyses to perform on the stockpiled soil, and guidance on how many samples of the stockpiled soil are to be collected.
- Guidance pertaining to appropriate off-site disposal of excavated and stockpiled soil.
- DTSC reporting requirements.

The SMP will be reviewed and signed by a State of California Professional Geologist.

PROPOSED SCOPE OF WORK – RAW Approach

If the DTSC rejects the recommendation put forth by ATC in the July 5, 2016 PEA report that a deed restriction and SMP is an appropriate path forward for the site, ATC expects the DTSC to require a RAW be prepared for the site. The RAW process is a significant undertaking that includes not just the preparation of a RAW but also community outreach, community profiling, and ongoing public reporting activities; the RAW process is expected to take approximately four months to complete. Work performed in the RAW process would include:

- Public participation activities, including community profiling and surveying, and community mailers/questionnaires.
- Preparation of a draft RAW for submittal to DTSC for input.
- Preparation of a final RAW for public comment.
- A public comment period, including a meeting to address any questions regarding the RAW.

The RAW will be reviewed and signed by a State of California Professional Geologist. Additionally, following completion of each phase of construction performed in the Phase 2 Construction Area, a Remedial Action Completion Report (RACR) will be required; due to the timeframe until the construction activities will be completed, ATC omitted inclusion of costs associated with the preparation of RACR report(s) in this proposal; such work would be presented in a separate proposal or change order.

FEE ESTIMATE

ATC proposes to complete the proposed scope of work on a Time and Materials basis. The deed restriction and SMP approach can be completed for an estimated amount of **\$5,860.00**. The RAW approach can be completed for an estimated amount of **\$12,155.00**. A breakdown of costs is provided on the spreadsheet below.

ATC will not exceed the cost estimates for the scope of work without written authorization from the Client. Should the Client require additional work, such as consultation beyond the number of hours estimated to complete this project, extensive report revisions, additional copies of the reports, consultation with attorneys, etc., the same unit rates listed on ATC's standard fee schedule will be applicable. **Please note that the actual requirements are at the discretion of the DTSC, and significant modification to the scope of work may be required by the DTSC.**



AUTHORIZATION

ATC appreciates the opportunity to present this proposal and looks forward to working with Caldwell Flores Winters, Inc. and OSD on this project. If this proposal is acceptable to you and you would like ATC to schedule this project, please forward a Work Authorization Letter under the existing Agreement. If you have any questions regarding this proposal, please contact our office at (323) 517-9780.

Sincerely,
ATC Group Services

A blue ink handwritten signature of Benjamin Chevlen, consisting of a series of loops and a long horizontal stroke.

Benjamin Chevlen, PG
Program Manager
Direct Line (805) 496-1217
Email: ben.chevlen@atcassociates.com

Attachments:

- List of Assumptions
- Estimated Cost Breakdowns



LIST OF ASSUMPTIONS

1. DTSC oversight fees will be charged to the District and are not included in this proposal.
2. Please note that the actual post-PEA requirements are at the discretion of the DTSC, and significant modification to the scope of work, including additional sampling and reporting could be required by the DTSC. Any additional scope items, including but not limited to meetings, project management, and reporting required by the DTSC will be charged on a time and materials basis, pending client approval.
3. Public outreach activities, beyond participation in one public meeting as part of the RAW process, are not included in this proposal. ATC can provide additional services on a time and materials basis in accordance with our current fee schedule.
4. This proposal contains both the anticipated scopes of work to complete the SMP and the RAW. The proposal shall be modified based on DTSC requirements. Actual SMP or RAW costs may be higher than estimated in this proposal.
5. There are no material changes in site conditions from those described.
6. No field work by ATC will be required; if field work is required, it will be performed on a time and materials basis in accordance with our current fee schedule.
7. The scope of services is restricted to that which is outlined in this proposal.
8. Any subcontracted charges will be billed at their actual cost, plus a 10% mark-up.



Estimated Cost Breakdown – Deed Restriction and SMP

| Deed Restriction and General Project Support | | | | | |
|---|----------|-----|--|----|-------------------|
| Principal | \$115.00 | Hr. | | 15 | \$1,725.00 |
| subtotal | | | | | \$1,725.00 |
| Soil Management Plan Preparation | | | | | |
| Principal | \$115.00 | Hr. | | 20 | \$2,300.00 |
| Senior Project Manager | \$85.00 | Hr. | | 20 | \$1,700.00 |
| CADD | \$45.00 | Hr. | | 3 | \$135.00 |
| subtotal | | | | | \$4,135.00 |
| GRAND TOTAL | | | | | \$5,860.00 |

Estimated Cost Breakdown – RAW

| Public Participation and Community Profiling Activities | | | | | |
|--|----------|-----|--|----|--------------------|
| Principal | \$115.00 | Hr. | | 25 | \$2,875.00 |
| Senior Project Manager | \$85.00 | Hr. | | 15 | \$1,275.00 |
| CADD | \$45.00 | Hr. | | 3 | \$135.00 |
| subtotal | | | | | \$4,285.00 |
| Draft Removal Action Workplan Preparation | | | | | |
| Principal | \$115.00 | Hr. | | 25 | \$2,875.00 |
| Senior Project Manager | \$85.00 | Hr. | | 20 | \$1,700.00 |
| CADD | \$45.00 | Hr. | | 3 | \$135.00 |
| subtotal | | | | | \$4,710.00 |
| Final Removal Action Workplan Preparation | | | | | |
| Principal | \$115.00 | Hr. | | 8 | \$920.00 |
| Senior Project Manager | \$85.00 | Hr. | | 5 | \$425.00 |
| CADD | \$45.00 | Hr. | | 2 | \$90.00 |
| subtotal | | | | | \$1,435.00 |
| Public Hearing and General RAW Support | | | | | |
| Principal | \$115.00 | Hr. | | 15 | \$1,725.00 |
| GRAND TOTAL | | | | | \$12,155.00 |

**OXNARD SCHOOL DISTRICT
AGREEMENT FOR CONSULTANT SERVICES
(MASTER AGREEMENT – HAZARDOUS MATERIALS SURVEY & TESTING)**

This Agreement for Consultant Services (“Agreement”) is entered into as of this 13th day of November, 2013 by and between the **Oxnard School District** (“District”), with offices located at 1051 South A Street, Oxnard, CA 93030, and **Cardno ATC** (“Consultant”) with a business address at 25 Cupania Circle, Monterey Park, CA 91755. District and Consultant are sometimes hereinafter individually referred to as “Party” and hereinafter collectively referred to as the “Parties.”

RECITALS

A. District is authorized by *California Government Code* Section 53060, and Board Policy 4368, to contract with independent contractors for the furnishing of services concerning financial, economic, accounting, engineering, legal, administrative and other matters. District has sought, by issuance of a Request for Qualifications, the performance of certain services, with the precise scope of work to be specified at the time of assignment of work.

B. Following submission of a Statement of Qualifications for the performance of services, Consultant was prequalified by District to perform services on behalf of District that may be assigned, or not assigned, at the District’s sole discretion.

C. The Parties desire to formalize the prequalification of Consultant for performance of services and desire that the terms of that performance be as particularly defined and described herein.

OPERATIVE PROVISIONS

NOW, THEREFORE, in consideration of the mutual promises and covenants made by the Parties and contained herein and other consideration, the value and adequacy of which are hereby acknowledged, the Parties agree as follows:

1. **Incorporation of Recitals and Exhibits.** The Recitals set forth above and all exhibits attached to this Agreement, as hereafter amended, are incorporated by this reference as if fully set forth herein.
2. **Master Agreement.** This Agreement sets forth the basic terms and conditions between District and Consultant. It may be supplemented from time to time with an individual Work Authorization Letter (“WAL”) which shall be considered an amendment to this Agreement, and which shall be subject to all the terms and conditions of this Agreement, and any further terms and conditions as set forth in the WAL.
3. **Scope of Services.** The scope of Services to be assigned to Consultant pursuant to a WAL is further defined in **Exhibit F – Scope of Services**, wherein the general responsibilities of Consultant are described pursuant to the discipline(s) for which the Consultant has been deemed prequalified by District as described in this Agreement.
4. **Agreement, Scope of Work, and Assignment of Projects.** District may, from time to time, and at the sole discretion of District, assign to Consultant specific services to be performed by Consultant (the “Services”) pursuant to a WAL. The WAL assignment procedure and associated forms are set forth in **Exhibit A**, which is attached hereto. This Agreement, together with the WAL, sets forth the terms and conditions pursuant to which Consultant will perform such Services on behalf of District. The WAL

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shall particularize and describe, among other things, such project(s) for which Consultant is to perform Services, such Services to be performed by Consultant at such project(s), the timeline for the performance of such Services, and the compensation to be paid to Consultant for the performance of such Services.

5. **Term of Agreement.** Subject to earlier termination as provided below, this Agreement shall remain in effect from November 13, 2013 through November 12, 2018 (the “Term”). This Agreement may be extended only by amendment, signed by the Parties, prior to the expiration of the Term. Such agreement for extension shall be based upon the showing of good and sufficient cause by Consultant that such extension(s) shall be granted. District shall not be obligated to compensate Consultant for any additional costs if such an extension has been granted to this Agreement. Any provision for additional compensation shall be accommodated via the WAL process as indicated in **Exhibit A**.
6. **Time for Performance.** The scope of the Services set forth in the WAL shall be completed during the Term pursuant to the schedule specified in the WAL. If Services indicated in the WAL cannot be completed within the schedule set forth in the WAL, or if the schedule exceeds the Term of this Agreement, it is the responsibility of Consultant to notify District at least ninety (90) days prior to the expiration of either, with a request for a time extension clearly identifying the cause(s) for the failure to complete the Services within the schedule and/or the Term. Should Consultant fail to provide such notice, and/or the Services not be completed pursuant to that schedule or within the Term, Consultant shall be deemed to be in Default as provided below. District, in its sole discretion, may choose not to enforce the Default provisions of this Agreement and may instead allow Consultant to continue performing the Services.
7. **Additional Services.** Additional Services are services in addition to the Services set forth in the WAL that are provided by Consultant pursuant to a written request by District. Additional Services will require a written request or pre-authorization in writing by District following specific approval of such services by the District Board of Trustees. It is understood and agreed that Consultant shall not perform any Additional Services unless and until Consultant receives specific written approval for such Additional Services from the District Board of Trustees. Any modification of the compensation to be paid to Consultant as a result of Additional Services must be specifically approved in writing by the District Board of Trustees. In the event that the District Board of Trustees approves in writing a modification of the compensation, then Consultant shall be paid for such Additional Services pursuant to Section 8, below. However, it is understood and agreed that if the cause of the Additional Services is the sole or partial responsibility of Consultant, its agents, or any subconsultants or other parties under the charge of Consultant, no additional compensation shall be paid to Consultant. If such conditions exist so as to justify Additional Services as indicated above, which require additional compensation or time in order to be performed, it is the sole responsibility of Consultant to submit a request for Additional Services within ten (10) days of Consultant’s discovery of such conditions which require Additional Services. It is understood and agreed that if Consultant performs any services that it claims are Additional Services without receiving prior written approval from the District Board of Trustees, Consultant shall not be paid for such claimed Additional Services.
8. **Compensation and Method of Payment.** This Agreement does not guarantee that District will issue a WAL to Consultant nor does this Agreement guarantee any compensation to Consultant. This Agreement does not create any obligation on the part of District to compensate Consultant absent a WAL indicating compensation due to Consultant once Services are performed. Specific compensation and payment amounts, including approved reimbursable expenses, shall be set forth in the WAL. However, it is understood and agreed that the compensation to be paid to Consultant shall not be in excess of or exceed the rates set forth in Exhibit **B** “Compensation”.

a. Each month Consultant shall furnish to District an original invoice for all work performed and expenses incurred during the preceding month for Services performed pursuant to a WAL. The invoice shall clearly indicate the assigned project, the approved WAL, and shall detail charges by the following categories: labor (by sub-category), travel, materials, equipment, supplies, and sub-consultant contracts. Sub-consultant charges, if any, shall be detailed by the following categories: labor, travel, materials, equipment and supplies. District shall independently review each invoice submitted by Consultant to determine whether the work performed and expenses incurred are in compliance with the provisions of this Agreement and the WAL. In the event that no charges or expenses are disputed, the invoice shall be approved and paid according to the terms set forth in subsection b. In the event any charges or expenses are disputed by District, the original invoice shall be returned by District to Consultant for correction and resubmission.

b. Except as to any charges for work performed or expenses incurred by Consultant which are disputed by District, District will use its best efforts to cause Consultant to be paid within forty-five (45) days of receipt of Consultant's correct and undisputed invoice.

c. Payment to Consultant for work performed pursuant to this Agreement and a WAL shall not be deemed to waive any defects in work performed by Consultant.

9. Responsibilities of Consultant:

a. Consultant shall perform all Services as indicated in this Agreement and the WAL to the satisfaction of District.

b. The specific Services of Consultant to be performed shall be indicated in the WAL.

c. Consultant hereby represents and warrants that (a) it is an experienced consultant in the discipline(s) identified in **Exhibit F**, having the skill and the legal and professional ability and the flexibility necessary to perform all of the Services required under this Agreement; (b) it has the capabilities and resources necessary to perform its obligations hereunder; (c) it is familiar with all current laws, rules, regulations and other restrictions which are and may become applicable to the scope of Services under this Agreement, including but not limited to all local ordinances, building codes, and requirements of all Authorities Having Jurisdiction (AHJ) including but not limited to the Division of State Architect (DSA), the Office of Public School Construction (OPSC), the State Facilities Planning Division (SFPD), California Department of Education (CDE), the California Department of General Services (DGS), the Department of Toxic Substances Control (DTSC), the California Environmental Quality Act (CEQA), Title 24 of the California Code of Regulations, the California Education Code, State and Local Fire Authorities, air quality districts, water quality and control boards, and any/all other AHJ; (d) that it will assume full responsibility for all Services performed and all work prepared and furnished to District by its employees, agents, and subconsultants; (e) that it has sufficient financial strength and resources to undertake and complete the Services provided for under this Agreement within the schedule set forth in the WAL; and (f) that it certifies and covenants that all reports, certifications, studies, analyses, and other documents prepared by Consultant shall be prepared in accordance with all applicable laws, rules, regulations, and other requirements in effect at the time of their preparation, or required at their time of submittal to District and or agencies.

d. Consultant shall follow accepted industry standards and practices and comply with all federal, state, and local laws and ordinances applicable to the Services required by this Agreement and the WAL.

10. Responsibilities of District.

- a. District will prepare and furnish to Consultant upon Consultant's request, such information as is reasonably necessary to the performance of the Services required under this Agreement and the WAL. Consultant understands that all information provided to Consultant remains the property of District and shall only be removed from District's possession/premises and/or be photocopied, reproduced, distributed, or otherwise made available to others if such activities are expressly approved in writing by District and/or the Program Manager. Failure to comply with the above requirements shall be reasonable cause for termination of this Agreement, and may subject Consultant to liability for damages to District.
 - b. If needed by Consultant, District shall provide information as to the requirements and educational program for each project assigned by a WAL, including approved budget and schedule limitations.
 - c. District shall facilitate and coordinate cooperation amongst and between District consultants, including but not limited to architects, construction managers, surveyors, geotechnical engineers, inspectors, testing laboratories, hazardous materials specialists, CEQA/DTSC compliance specialists, technology experts, and any other professional consultants District deems necessary to execute the Facilities Implementation Program. Such coordination shall include the distribution of documentation prepared by individual consultants which may be of service to Consultant in the course of completing the Services.
 - d. District shall facilitate and coordinate cooperation amongst and between District staff and Consultant, as required to complete the Services.
 - e. District shall provide for the timely approval and execution of the WALs, Additional Services requests, invoices, and any other documentation that requires District action in order for Consultant to complete the Services.
11. **Suspension.** District may, for any reason or no reason, in District's sole discretion, suspend all or a portion of this Agreement, the WAL, or the Services by giving ten (10) calendar days written notice of suspension to Consultant. In the event such notice is given, Consultant shall cease immediately all work in progress. If District suspends the Services for a period of ninety (90) consecutive calendar days or more and, in addition, if such suspension is not caused by Consultant or the acts or omissions of Consultant, then if the Services are resumed, Consultant's compensation shall be subject to adjustment to provide for actual direct costs and expenses incurred by Consultant as a direct result of the suspension and resumption by District of the Services.
12. **Termination.** This Agreement, the WAL, or the Services may be terminated at any time by mutual agreement of the Parties or by either Party as follows:
- a. District may terminate all or a portion of this Agreement, the WAL, or the Services without cause at any time by giving ten (10) calendar days written notice of termination to Consultant. In the event such notice is given, Consultant shall cease immediately all work in progress; or
 - b. District may terminate all or a portion of this Agreement, the WAL, or the Services for cause in the event of a Default by giving written notice pursuant to Section 15, below; or
 - c. Consultant may terminate this Agreement or the WAL at any time upon thirty (30) calendar days written notice if District fails to make any undisputed payment to Consultant when due and such failure remains uncured for forty-five (45) calendar days after written notice to District.

13. **Similar or Identical Services.** In the event that this Agreement, the WAL, or any of the Services are terminated in whole or in part as provided herein, District may procure, upon such terms and in such manner as District may determine appropriate, services similar or identical to those terminated to complete any unfinished Services or new services as needed by District.
14. **Inspection and Final Acceptance.** District acceptance of any of work or Services, whether specifically in writing or by virtue of payment, shall not constitute a waiver of any of the provisions of this Agreement or the WAL including, but not limited to, indemnification and insurance provisions.
15. **Default.** Failure of Consultant to perform any Services or comply with any provisions of this Agreement or the WAL constitutes a Default. District may terminate all or any portion of this Agreement, the WAL, or the Services for cause in the event of a Default. The termination shall be effective if Consultant fails to cure such Default within thirty (30) calendar days following issuance of written notice thereof by District, or if the cure by its nature takes longer, fails to commence such cure within thirty (30) calendar days from the date of issuance of the notice and diligently prosecutes such cure to the satisfaction of District. If Consultant has not cured the Default, District may hold all invoices and may choose to proceed with payment on said invoices only after the Default is cured to District's satisfaction. In the alternative, District may, in its sole discretion, during the period before Consultant has cured the Default, elect to pay any portion of outstanding invoices that corresponds to Services satisfactorily rendered. Any failure on the part of District to give notice of Consultant's default shall not be deemed to result in a waiver of District's legal rights or any rights arising out of any provision of this Agreement or the WAL.
 - a. In addition to District's termination rights set forth above, District shall have (i) the right to cure Consultant's Default at Consultant's cost, in which case all amounts expended by District in connection with such cure shall accrue interest from the date incurred until repaid to District by Consultant at the rate of ten percent (10%) per annum; and (ii) all other rights and remedies available to District at law and in equity, including, without limitation, an action for damages. District shall have the right to retain unpaid earned balances to offset damages, and/or charge Consultant for all damages above and beyond unpaid balance of WAL.
16. **Ownership of Documents.** All maps, models, designs, drawings, photographs, studies, surveys, reports, data, notes, computer files, files and other documents prepared, developed or discovered by Consultant in the course of providing any Services pursuant to this Agreement or the WAL (collectively and individually, the "Documents") shall become the sole property of District and may be used, reused or otherwise disposed of by District without the permission of Consultant. Upon completion, expiration or termination of this Agreement or the WAL, Consultant shall turn over to District all such Documents.
17. **Use of Documents by District.** If and to the extent that District utilizes for any purpose not related to this Agreement or the WAL any Documents, Consultant's guarantees and warranties related to Standard of Performance under this Agreement or the WAL shall not extend to such use of the Documents.
18. **Consultant's Books and Records.** Consultant shall maintain any and all documents and records demonstrating or relating to Consultant's performance of Services pursuant to this Agreement or the WAL for a minimum of four years after termination or expiration of this Agreement and the WAL, or longer if required by law. Such records shall include at minimum a detailed record of daily performance, staff time records, subconsultants time records, documentation of all costs incurred by Consultant that were billed to District, and detailed records of all Consultant fees, overhead, and profit on earned amounts.

a. Consultant shall maintain any and all ledgers, books of account, invoices, vouchers, canceled checks, or other documents or records evidencing or relating to work, services, expenditures and disbursements charged to District pursuant to this Agreement or the WAL for a minimum of four years, or longer if required by law, all in accordance with generally accepted accounting principles and with sufficient detail so as to permit an accurate evaluation of the Services provided by Consultant pursuant to this Agreement or the WAL.

b. Any and all such records or documents shall be made available for inspection, audit and copying, at any time during regular business hours, upon request by District or its designated representative. Copies of such documents or records shall be provided directly to District for inspection, audit and copying when it is practical to do so; otherwise, unless an alternative is mutually agreed upon, such documents and records shall be made available at Consultant's address indicated for receipt of notices in this Agreement.

c. District has the right to acquire custody of such records by written request if Consultant decides to dissolve or terminate its business. Consultant shall deliver or cause to be delivered all such records and documents to District within sixty (60) days of receipt of the request.

19. **Independent Contractor.** Consultant is retained as an independent contractor and is not employed by District. No employee or agent of Consultant shall become, or be considered to be, an employee of District for any purpose. It is agreed that District is interested only in the results obtained from the Services under this Agreement and the WAL and that Consultant shall perform as an independent contractor with sole control of the manner and means of performing the Services required under this Agreement and the WAL. Consultant shall complete this Agreement and the WAL according to its own methods of work which shall be in the exclusive charge and control of Consultant and which shall not be subject to control or supervision by District except as to results of the Services. Consultant shall provide all of its own supplies, equipment, facilities, materials, manpower, and any/all other resources that may become necessary in the course of completing the Services. It is expressly understood and agreed that Consultant and its employees shall in no event be entitled to any benefits to which District employees are entitled, including, but not limited to, overtime, retirement benefits, insurance, vacation, worker's compensation benefits, sick or injury leave or other benefits. Consultant will be responsible for payment of all of Consultant's employees' wages, payroll taxes, employee benefits and any amounts due for federal and state income taxes and Social Security taxes since these taxes will not be withheld from payments under this Agreement or the WAL.

a. The personnel performing the Services under this Agreement and the WAL on behalf of Consultant shall at all times be under Consultant's exclusive direction and control. Consultant, its agents or employees shall not at any time or in any manner represent that Consultant or any of Consultant's officers, employees, or agents are in any manner officials, officers, employees or agents of District.

b. Consultant shall have no authority to bind District in any manner, or to incur any obligation, debt or liability of any kind on behalf of or against District, whether by contract or otherwise, unless such authority is expressly conferred in writing by District, or under this Agreement.

20. **Standard of Performance.** Consultant represents and warrants that it has the skill, qualifications, experience and facilities necessary to properly perform the Services required under this Agreement and the WAL in a thorough, competent and professional manner. Consultant represents and warrants that its employees and subcontractors have all legally required licenses, permits, qualifications and approvals necessary to perform the Services and that all such licenses and approvals shall be maintained throughout the term of this Agreement and the WAL. Consultant shall at all times faithfully, competently and to the best of its ability, experience and talent, perform all Services

described herein and the WAL. In meeting its obligations under this Agreement and the WAL, Consultant shall employ, at a minimum, the standard of care utilized by persons engaged in providing services similar to those required of Consultant under this Agreement and the WAL for California school districts in or around the same geographic area of District (the “Standard of Performance”).


21. **Confidential Information.** All information gained during performance of the Services and all Documents or other work product produced by Consultant in performance of this Agreement and the WAL shall be considered confidential (“confidential information”). Consultant shall not release or disclose any such confidential information, Documents or work product to persons or entities other than District without prior written authorization from the Superintendent of District and/or Program Manager, except as may be required by law. Confidential information does not include information that: (i) Consultant had in its possession prior to considering entering into this Agreement; (ii) becomes public knowledge through no fault of Consultant; (iii) Consultant lawfully acquires from a third party not under an obligation of confidentiality to the disclosing party; or (iv) is independently developed by Consultant without benefit of the information provided by District. In connection with confidential information:

a. Consultant shall promptly notify District if it is served with any summons, complaint, subpoena or other discovery request, court order or other request from any party regarding this Agreement or the WAL or the Services performed hereunder or the WAL.

b. District retains the right, but has no obligation, to represent Consultant or be present at any deposition, hearing or similar proceeding. Consultant agrees to cooperate fully with District and to provide District with the opportunity to review any response to discovery requests provided by Consultant; provided that this does not imply or mean the right by District to control, direct, or rewrite said response.

22. **Conflict of Interest; Disclosure of Interest.** Consultant covenants that neither it, nor any officer or principal of its firm, has or shall acquire any interest, directly or indirectly, which would conflict in any manner with the interests of District or which would in any way hinder Consultant’s performance of the Services under this Agreement or the WAL. Consultant further covenants that in the performance of this Agreement and the WAL, no person having any such interest shall be employed by it as an officer, employee, agent or subcontractor without the express written consent of District. Consultant agrees to at all times avoid conflicts of interest or the appearance of any conflicts of interest with the interests of District in the performance of this Agreement and the WAL.


a. Bylaws of the Board 2030(A) E, 2030(B) E and 2030(C) E, as hereinafter amended or renumbered, require that a consultant that qualifies as a “designated employee” must disclose certain financial interests by filing financial interest disclosures. By its initials below, Consultant (i) represents that it has received and reviewed a copy of the Bylaws of the Board 2030(A) E, 2030(B) E and 2030(C) E and that it does does not qualify as a “designated employee”; and (ii) agrees to notify District, in writing, if Consultant believes that it is a “designate employee” and should be filing financial interest disclosures, but has not been previously required to do so by District.

 (Initials)

23. **Compliance with Applicable Laws.** In connection with the Services and its operations, Consultant shall keep itself informed of and comply with all applicable federal, state and local laws, statutes, codes, ordinances, regulations and rules including, but not limited to, minimum wages and/or prohibitions against discrimination, in effect during the Term. Consultant shall obtain any and all licenses, permits and authorizations necessary to perform the Services. Neither District, nor any

elected or appointed boards, officers, officials, employees or agents of District shall be liable, at law or in equity, as a result of any failure of Consultant to comply with this section.

a. Without limiting the generality of the foregoing, Consultant, unless exempted, shall comply with the requirements of Education Code Section 45125.1 with respect to fingerprinting of employees who may have contact with District's pupils. Consultant must complete District's certification form, attached herein as Exhibit E, prior to any of Consultant's employees coming into contact with any of District's pupils. Consultant also agrees to comply with all other operational requirements of District, as may be revised from time to time, including but not limited to any obligations relating to vaccination or testing for infectious diseases.

 (Initials)

24. **Unauthorized Aliens.** Consultant hereby promises and agrees to comply with all of the provisions of the Federal Immigration and Nationality Act, 8 U.S.C.A. §§ 1101, et seq., as amended, and in connection therewith, shall not employ "unauthorized aliens" as that term is defined in 8 U.S.C.A. §1324a(h)(3). Should Consultant so employ such individuals for the performance of work and/or Services covered by this Agreement or the WAL, and should any liability or sanctions be imposed against District for such employment, Consultant hereby agrees to and shall reimburse District for the cost of all such liabilities or sanctions imposed, together with any and all costs, including attorneys' fees, incurred by District.
25. **Non-Discrimination.** Consultant shall abide by the applicable provisions of the United States Civil Rights Act of 1964 and other provisions of law prohibiting discrimination and shall not discriminate, in any way, against any person on the basis of race, color, religious creed, national origin, ancestry, sex, sexual orientation, age, physical handicap, medical condition or marital status in connection with or related to the performance of this Agreement or the WAL.
26. **Disabled Veteran Business Enterprise Participation.** Pursuant to Education Code section 17076.11, District has a participation goal for disabled veteran business enterprises (DVBES) of at least three (3) percent, per year, of funds expended each year by District on projects that use funds allocated by the State Allocation Board pursuant to the Leroy F. Greene School Facilities Act. Unless waived in writing by District, Consultant shall provide proof of DVBE compliance, in accordance with any applicable policies of District or the State Allocation Board, within thirty (30) days of its execution of this Agreement
27. **Assignment.** The expertise and experience of Consultant are material considerations for this Agreement and the WAL. District has an interest in the qualifications of and capability of the persons and entities that will fulfill the duties and obligations imposed upon Consultant under this Agreement and the WAL. In recognition of that interest, Consultant shall not assign or transfer this Agreement or any portion of this Agreement or any portion of the WAL or the performance of any of Consultant's duties, Services or obligations under this Agreement or the WAL without the prior written consent of District and approved by District's Board of Trustees. Any attempted assignment shall be ineffective, null and void, and shall constitute a material breach of this Agreement and the WAL entitling District to any and all remedies at law or in equity, including summary termination of this Agreement and the WAL.
28. **Subcontracting.** Notwithstanding the above, Consultant may utilize subcontractors in the performance of its duties pursuant to this Agreement and the WAL, but only with the prior written consent of District. Consultant shall be as fully responsible to District for the acts and omissions of its subcontractors, and of persons either directly or indirectly employed by Consultant's subcontractors, as if the acts and omissions were performed by Consultant directly.


29. **District Administrator.** Lisa Franz shall be in charge of administering this Agreement on behalf of District, (the “Administrator”) provided that any written notice or any consent, waiver or approval of District must be signed by the Superintendent or a designated employee of District to be valid. The Administrator has completed **Exhibit D** “Conflict of Interest Check” attached hereto.

30. **Continuity of Personnel.** Consultant shall make every reasonable effort to maintain the stability and continuity of Consultant’s staff and subcontractors consistent with the staff proposed as part of the Statement of Qualifications, if any, assigned to perform Services under this Agreement and the WAL.

a. Consultant shall provide District and the Administrator a list of all personnel and subcontractors providing Services and shall maintain said list current and up to date at all times during the Term. The list shall include the following information: (1) all full or part-time staff positions by title, including volunteer positions whose direct services are required to provide the Services; (2) a brief description of the functions of each such position and the hours each position works each week or, for part-time positions, each day or month, as appropriate; (3) the professional degree, if applicable, and experience required for each position; and (4) the name of the person responsible for fulfilling the terms of this Agreement and the WAL.

31. **Indemnification.** To the fullest extent permitted by law, Consultant shall defend and indemnify District and its officials, elected board members, employees and agents (“Indemnified Parties”) from and against all claims that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant, its officers, employees, consultants, subcontractors, or agents, pursuant to this Agreement and/or the WAL, but not for any loss, injury, death or damage caused by the active negligence or willful misconduct of any of the Indemnified Parties.

a. Consultant agrees to obtain executed indemnity agreements with provisions identical to the above from each and every subcontractor retained or employed by Consultant in the performance of this Agreement and the WAL. Failure of District to monitor compliance with these requirements imposes no additional obligations on District and will in no way act as a waiver of any rights hereunder. Consultant’s obligation to indemnify and defend District as set forth above is binding on the successors, assigns or heirs of Consultant and shall survive the termination of this Agreement and the WAL.

 (Initials)

32. **Insurance.** Consultant agrees to obtain and maintain in full force and effect during the term of this Agreement the insurance policies set forth in **Exhibit C** “Insurance” and made a part of this Agreement. All insurance policies shall be subject to approval by District as to form and content. These requirements are subject to amendment or waiver if so approved in writing by the District Superintendent.

33. **Notices.** All notices required or permitted to be given under this Agreement or the WAL shall be in writing and shall be personally delivered, or sent by telecopier or certified mail, postage prepaid and return receipt requested, addressed as follows:

To District: Oxnard School District
1051 South A Street
Oxnard, California, 93030
Attention: Lisa Cline
Assistant Superintendent, Business & Fiscal Services
Re: [Insert Project Name]

With electronic copy to: Caldwell Flores Winters, Inc.
Oxnard School District Program Manager
6425 Christie Ave., Suite 270
Emeryville, California 94608
Attention: Yuri Calderon
T: 510-596-8170
Email: ycalderon@cfwinc.com

To Consultant: Cardno ATC
25 Cupania Circle
Monterey Park, CA 91755
ATTN: Carlos A. Galdamez
T: (323) 517-9780
Email: carlos.galdamez@cardno.com

All notices, demands, or requests to be given under this Agreement or the WAL shall be given in writing and conclusively shall be deemed received when delivered in any of the following ways: (i) on the date delivered if delivered personally; (ii) on the date sent if sent by facsimile transmission and confirmation of transmission is received; (iii) on the date it is accepted or rejected if sent by certified mail; and (iv) the date it is received if sent by regular United States mail.

34. **Excusable Delays.** Neither Party will be liable to the other for unanticipated delays or failures in performance resulting from causes beyond the reasonable control of that Party, including, but not limited to, acts of God, labor disputes or disturbances, material shortages or rationing, riots, acts of war, governmental regulations, communications or utility failures, or casualties; provided that the delayed Party: (i) gives the other Party prompt written notice of such cause; and (ii) uses its reasonable efforts to correct such failure or delay in its performance. The delayed Party's time for performance or cure under this section will be extended for a period equal to the duration of the cause or sixty (60) days, whichever is less.
35. **Entire Agreement; Binding Effect.** This Agreement including Exhibits hereto, contains the entire understanding of the Parties, and supersedes all other written or oral agreements. Consultant shall be entitled to no other benefits other than those specified herein. No changes, amendments or alternations shall be effective unless in writing and signed by both Parties and approved by District's Board of Trustees. Consultant specifically acknowledges that in entering into this Agreement, Consultant relied solely upon the provisions contained in this Agreement and no others. This Agreement shall be binding upon the heirs, executors, administrators, successors and assigns of the Parties.
36. **Amendment.** No changes, amendments to or modifications of this Agreement or the WAL shall be valid, effective or binding unless made in writing and signed by both Parties and approved by the District's Board of Trustees. The Parties agree that this requirement for written modifications cannot be waived and that any attempted waiver shall be void.
37. **Waiver.** Waiver by any Party of any term, condition, or covenant of this Agreement or the WAL shall not constitute a waiver of any other term, condition, or covenant. Waiver by any Party of any breach of the provisions of this Agreement or the WAL shall not constitute a waiver of any other provision or a waiver of any subsequent breach or violation of any provision of this Agreement or the WAL. None of the provisions of this Agreement or the WAL shall be considered waived by either Party unless such waiver is specifically specified in writing. Neither District's review, approval of, nor payment for, any of the Services required under this Agreement or the WAL shall be construed to operate as a waiver of

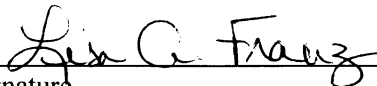
any rights under this Agreement or the WAL, and Consultant shall remain liable to District in accordance with this Agreement and the WAL for all damages to District caused by Consultant's failure to perform any of the Services to the Standard of Performance. This provision shall survive the termination of this Agreement and the WAL.

- 38. **Governing Law.** This Agreement and the WAL shall be interpreted, construed and governed according to the laws of the State of California. With respect to litigation involving this Agreement, the WAL or the Services, venue in state trial courts shall lie exclusively in the County of Ventura, California.
- 39. **Severability.** If any term, condition or covenant of this Agreement or the WAL is declared or determined by any court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions of this Agreement and the WAL shall not be affected thereby and the Agreement and WAL shall be read and construed without the invalid, void or unenforceable provision(s).
- 40. **Authority to Execute.** The person or persons executing this Agreement on behalf of Consultant represents and warrants that he/she/they has/have the authority to so execute this Agreement and to bind Consultant to the performance of its obligations hereunder.

IN WITNESS WHEREOF, District and Consultant have executed and delivered this Agreement for consultant services as of the date first written above.

OXNARD SCHOOL DISTRICT:

CARDNO ATC:


Signature


Signature

Lisa A. Franz, Director, Purchasing
Typed Name/Title

Stephen Drengson/Program Manager
Typed Name/Title

11-20-13
Date

10/30/13
Date

Tax Identification Number: 95-6002318

Tax Identification Number: 46-0399408

Not Project Related

Project #13-135

EXHIBIT A
TO AGREEMENT FOR CONSULTANT SERVICES #13-135

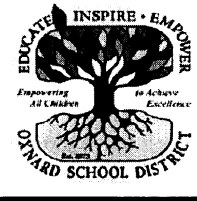
WORK AUTHORIZATION PROCEDURES

1. Assignment of Work Authorization

- 1.1. Request For Proposal (RFP): At the sole discretion of District, one or more prequalified professional services consultants shall be solicited with a Request For Proposal (“RFP”) for a specific lump sum fixed fee proposal for defined Services to be complete within a defined timeline. For a proposal to be valid it must clearly acknowledge the complete Services requested by District and must include a lump sum fixed fee amount to complete all defined Services, a clearly defined schedule for completion of Services which meets the required timeline defined by District and shows final completion to occur within the Term of this Agreement.
- 1.2. Evaluation of Proposal: District’s Program Manager, in consultation with District, shall review each proposal for validity, accuracy, competitiveness, and overall quality of the Services proposed to be performed. In the case where more than one firm is solicited for a scope of defined Services, the Program Manager shall evaluate each proposal thoroughly based on predetermined, objective criteria to ensure a just and fair review of all proposals.
- 1.3. Selection of Consultant: Following evaluation of proposals, the consultant whose proposal exhibits the best value for the benefit of District shall be recommended to the Superintendent for approval.
- 1.4. Work Authorization Letter (WAL): With the approval of the District Superintendent, the Program Manager shall issue a Work Authorization Letter (“WAL”) to the selected consultant to perform the defined Services as indicated in the RFP, for the lump sum fixed fee amount reflected in the proposal, with all Services to complete within the timeline indicated in the RFP, and the Term set forth in this Agreement. District retains the right to negotiate all terms of the WAL subsequent to the receipt of proposal(s) in order to clarify the scope of Services, and/or make any adjustments to the fee amount and required schedule prior to issuance of the WAL. The WAL shall be considered a binding agreement, and amendment to this Agreement, once executed by Consultant, approved by the District Board of Trustees, and executed by the Superintendent.
- 1.5. Performance of Services Set Forth in the WAL: Performance of Services set forth in the WAL shall not commence until final approval by the District Superintendent and Board of Trustees, unless expressly authorized by the District Superintendent and Program Manager. During the course of completing the Services, Consultant shall comply will all provisions of this Agreement and the WAL. All Services set forth in the WAL shall be completed within the schedule set forth in the WAL.
- 1.6. Close Out of WAL Services: Upon completion of all Services required by the WAL, Consultant shall submit all required close-out documentation, certifications, records, reports, warranties, and any other information required or requested by District prior to submitting Consultant’s invoice for final payment.
- 1.7. WAL Form: See next page for sample Work Authorization Letter.

Not Project Related

Project #13-135

|  | | WORK AUTHORIZATION LETTER (WAL) | |
|--|--|--|--------|
| GENERAL INFORMATION | | | |
| PROJECT #: | | DATE: | |
| SITE NAME: | | DSA #: | |
| MASTER AGREEMENT #: | | OPSC #: | |
| WAL #: | | VENDOR ID: | |
| PURSUANT TO MASTER AGREEMENT BETWEEN: | | | |
| DISTRICT | | CONSULTANT | |
| OXNARD SCHOOL DISTRICT 1051 South A. St. Oxnard , CA 93030 (805) 385-1501 | | Firm Name: | |
| | | Street: | |
| | | City, State, Zip: | |
| | | Phone: | |
| SCOPE OF SERVICES TO BE PERFORMED UNDER THIS WAL | | | |
| (ATTACH ADD'L PAGES AS NECESSARY) | | | |
| SCHEDULE OF SERVICES TO BE PERFORMED UNDER THIS WAL | | | |
| START DATE: | | COMPLETION DATE: | |
| FIXED FEE AMOUNT: _____ | | | |
| <i>This fee amount is based upon Consultant's proposal dated _____, and subsequent negotiations mutually agreed to by all parties.</i> | | | |
| <i>This WAL is inherently a part of the Master Agreement indicated above. It is bound by the general terms and conditions of the Master Agreement. This WAL describes in detail the Consultants specific scope of Services, agreed upon lump sum fixed fee, agreed upon schedule for completion of Services, and other provisions required to clearly indicate the required Services, and terms of this WAL.</i> | | | |
| <i>This WAL and associated Master Agreement hereby supersede any and all terms, conditions, and other provisions of the Consultant's proposal, and such terms, conditions, and other provisions are null and void and are not incorporated to any extent as part of this WAL and associated Master Agreement whether or not they are directly superseded by this WAL and/or the associated Master Agreement.</i> | | | |
| IN WITNESS THEREOF, THE PARTIES HAVE AGREED TO AND EXECUTED THIS WAL AS SET FORTH BELOW: | | | |
| DISTRICT | | CONSULTANT | |
| OXNARD SCHOOL DISTRICT | | CONSULTANT: | |
| (SIGNATURE) | (DATE) | (SIGNATURE) | (DATE) |
| FOR DISTRICT USE ONLY | | | |
| PROJECT MANAGER: | | PREPARED BY: | |
| PO #: | | PO AMOUNT: | |
| SOURCE OF FUNDS: | <input type="checkbox"/> MEASURE "R" <input type="checkbox"/> DEF. MAINT. <input type="checkbox"/> DEV. FEES <input type="checkbox"/> OTHER: _____ | | |
| COST ID: | | | |
| (PM APPROVAL SIGNATURE) | | (DATE) | |
| SPECIAL INSTRUCTIONS: | | | |

Not Project Related

Project #13-135

EXHIBIT B
TO AGREEMENT FOR CONSULTANT SERVICES #13-135

COMPENSATION & RATE/FEE SCHEDULE

I. The following rates of pay shall apply in the performance of the Services under this Agreement and the WAL:

STANDARD PERSONNEL RATES

| Category | Base Hourly Rates |
|---|--------------------------|
| Principal | \$115.00 |
| Certified Safety Professional (CSP) | \$115.00 |
| Certified Industrial Hygienist (CIH) | \$125.00 |
| Geologist (CA Registered) | \$95.00 |
| Engineer (CA Registered) | \$95.00 |
| Program Manager | \$95.00 |
| Senior Project Manager | \$85.00 |
| Senior Engineer | \$85.00 |
| Senior Geologist | \$85.00 |
| Senior Industrial Hygienist | \$90.00 |
| Project Industrial Hygienist | \$75.00 |
| Project Engineer | \$75.00 |
| Project Geologist | \$75.00 |
| Project Scientist | \$75.00 |
| Certified Asbestos Consultant (CA DOSH) | \$75.00 |
| Project Manager | \$75.00 |
| Trainer | \$75.00 |
| Staff Industrial Hygienist | \$65.00 |
| Staff Engineer | \$65.00 |
| Staff Geologist | \$65.00 |
| Certified Lead Project Designer (CA Registered) | \$55.00 |
| Certified Lead Inspector/Assessor (CA Registered) | \$55.00 |
| Certified Lead Project Monitor (CA Registered) | \$55.00 |
| Certified Site Surveillance Technician (CA DOSH) | \$55.00 |
| Technician III | \$65.00 |
| Technician II | \$55.00 |
| Technician I | \$45.00 |
| Draftsperson / CADD | \$45.00 |
| Clerical Staff | \$35.00 |

Not Project Related

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ASBESTOS

| PLM Analysis (NVLAP QA/QC) 600/R-93/116 | | PCM Analysis NIOSH 7400, Revision 3 A Rules | | TEM Air Analysis AHERA/EPA Level II | |
|---|---------|---|---------|--|----------|
| Immediate | \$20.00 | Immediate | \$20.00 | Immediate | \$140.00 |
| 8 hours | \$15.00 | 8 hours | \$15.00 | 8 hours | \$125.00 |
| 24 hours | \$12.00 | 24 hours | \$12.00 | 24 hours | \$100.00 |
| 48 hours | \$9.00 | 48 hours | \$9.00 | 48 hours | \$75.00 |
| 3-5 days | \$9.00 | 3-5 days | \$9.00 | 3-5 days | \$75.00 |

| 1000 Point Count Analysis (0.1% Limit of Detection) | | Wipes/Microvac by TEM Chatfield Method Semi- Quantitative | | Wipes/Microvac by TEM ASTM D- 5755 Quantitative | |
|--|----------|---|----------|--|-------|
| Immediate | N/A | Immediate | \$200.00 | Immediate | N/A |
| 8 hours | N/A | 8 hours | \$175.00 | 8 hours | N/A |
| 24 hours | N/A | 24 hours | \$175.00 | 24 hours | N/A |
| 48 hours | N/A | 48 hours | \$125.00 | 48 hours | N/A |
| 3-5 days | \$100.00 | 3-5 days | \$125.00 | 5 days | \$200 |

LEAD

| Paint, Dust, Soil, Wipe, Bulk Sample Analysis EPA 3050/7420 Air, Wipes NIOSH 7082 | | Drinking Water Analysis EPA 200.9 | | Waste Analysis Extraction Only | | | |
|--|---------|--------------------------------------|---------|-----------------------------------|----------|------------------|----------|
| | | | | STLC Wet-Title 22 | | TCLP EPA 1311 | |
| Immediate | \$32.00 | Immediate | \$40.00 | 24 hours | N/A | 24-hours | \$125.00 |
| 8 hours | \$28.00 | 8 hours | \$35.00 | 2 days | \$100.00 | 2 days | \$100.00 |
| 24 hours | \$17.00 | 24 hours | \$30.00 | 3-5 days | \$84.00 | 3-5 days | \$84.00 |
| 48 hours | \$14.00 | 48 hours | \$25.00 | | | | |
| 3-5 Days | \$10.00 | 3-5 Days | \$20.00 | | | | |

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II. Consultant may utilize subcontractors as permitted in the Agreement and the WAL. The hourly rate for any subcontractor shall be consistent with the rate and fee schedule indicated in Section I above, unless other direction is provided with written authorization from District Superintendent or his/her designee.

III. Claims for reimbursable expenses shall be documented by appropriate invoices and supporting receipts. Consultant may be reimbursed for those reasonable out-of-pocket expenses set forth below that are incurred and paid for by Consultant beyond the typical obligations under this Agreement and the WAL, but only to the extent that such expenses are directly related to Services satisfactorily completed, are approved by District in writing and do not cause the amounts paid to Consultant to exceed the amounts allowed under this Agreement and the WAL. No mark-up of any expense is permitted. The following is the EXCLUSIVE list of reimbursable expenses:

A. Travel and Mileage. Consultant must request the travel in writing and justify why the travel should be reimbursed. Travel expenses must be approved in writing by District, in its sole discretion. Trips from any Consultant's office to District's office or to the subject project site will not be approved for reimbursement.

B. Reimbursable Reprographic Services. Print sets or copies requested in writing by District beyond the quantities required under the WAL.

C. Fees for Subcontractors. Fees for subcontractors hired and paid by Consultant at the written request of District and are permitted in the Agreement and the WAL.

D. Fees advanced for securing approval of public agencies having jurisdiction over any project hereunder.

IV. Consultant shall provide to District a complete Schedule of Values (SOV), identifying major work activities required to complete the authorized scope of work. All invoices must reflect the appropriate progress percentage for each SOV item billed, to be verified by District. District will compensate Consultant for the Services performed upon approval by District of a valid and complete invoice, in form and substance acceptable to District. See Exhibit G for required Invoice Approval Form and Billing Cover Sheet. The Billing Cover Sheet shall reflect the approved SOV. In connection with Services that are only partially completed at the time an invoice is paid, notwithstanding any provision of the Agreement, the WAL, or any other document, payment of the invoice does not constitute acceptance of the partially completed work or Service. Each invoice is to include:

- A. Billing Cover Sheet/SOV with all appropriate progress percentages identified toward completion of the Services.**
- B. Acceptable back-up for billings shall include, but not be limited to:**
 - a. Records for all personnel describing the work performed, the number of hours worked, and the hourly rate, for all time charged to the Services.**
 - b. Records for all supplies, materials and equipment properly charged to the Services.**
 - c. Records for all travel pre-approved by District and properly charged to the Services.**
 - d. Records for all subcontractor labor, supplies, equipment, materials, and travel properly charged to the Services.**

Unless otherwise directed by District, in writing, completed invoices are to be submitted to the attention of the Director of Purchasing and the Assistant Superintendent, Business and Fiscal Services. To be considered complete,

Not Project Related

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the invoice packet shall include all back-up documentation required by District and sign-off from District staff, Program Manager or project manager assigned by District to supervise the Services.

V. The total compensation for the Services shall be provided for in the WAL(s) issued subsequent to this Agreement.

VI. Compensation Upon Termination. In the event that District suspends or terminates this Agreement, the WAL or any of the Services pursuant to Section 11 or Section 12a of the Agreement, District will pay Consultant as provided herein and the WAL for all Services and authorized Additional Work actually performed, and all authorized reimbursable expenses actually incurred and paid, under and in accordance with this Agreement and the WAL, up to and including the date of suspension or termination; provided that such payments shall not exceed the amounts specified in the Agreement and the WAL as compensation for the Services completed, plus any authorized Additional Work and authorized reimbursable expenses completed prior to suspension or termination. No payment for demobilization shall be paid unless District at its sole discretion determines that demobilization or other compensation is appropriate. After a notice of termination is given, Consultant shall submit to District a final claim for payment, in the form and with certifications prescribed by District. Such claim shall be submitted promptly, but in no event later than forty (40) calendar days after the Termination Date specified on the notice of termination. Such payment shall be Consultant's sole and exclusive compensation and District shall have no liability to Consultant for any other compensation or damages, including without limitation, anticipated profit, prospective losses, legal fees or costs associated with legal representation or consequential damages, of any kind.

- Not Project Related
- Project #13-135

EXHIBIT C
TO AGREEMENT FOR CONSULTANT SERVICES #13-135

INSURANCE

I. **Insurance Requirements.** Consultant shall provide and maintain insurance, acceptable to District Superintendent or District Counsel, in full force and effect throughout the Term of this Agreement and the WAL, against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by Consultant, its agents, subcontractors, representatives and/or employees. Insurance is to be placed with insurers authorized to conduct business in the State of California and with a current A.M. Best's rating of no less than A, as rated by the current edition of Best's Key Rating Guide, published by A.M. Best Company, Oldwick, New Jersey 08858. Consultant shall provide the following scope and limits of insurance:

A. **Minimum Scope of Insurance.** Coverage shall be at least as broad as:

(1) Commercial General Liability coverage of not less than two million dollars (\$2,000,000) aggregate and one million dollars (\$1,000,000) per occurrence.

(2) Auto liability insurance with limits of not less than one million dollars (\$1,000,000).

(3) Insurance coverage should include:

1. owned, non-owned and hired vehicles;
2. blanket contractual;
3. broad form property damage;
4. products/completed operations; and
5. personal injury.

(4) Workers' Compensation insurance as required by the laws of the State of California.

(5) Abuse and Molestation coverage of not less than two million dollars (\$2,000,000) per occurrence and five million dollars (\$5,000,000) aggregate.

(6) Professional liability (Errors and Omissions) insurance, including contractual liability, as appropriate to the Consultant's profession, in an amount of not less than the following:

| | |
|--|----------------------------|
| Accountants, Attorneys, Education Consultants, Nurses, Therapists | \$1,000,000 |
| Architects | \$1,000,000 or \$2,000,000 |
| Physicians and Medical Corporations | \$5,000,000 |

Failure to maintain professional liability insurance is a material breach of this Agreement and the WAL and grounds for immediate termination

II. **Other Provisions.** Insurance policies required by this Agreement shall contain the following provisions:

Not Project Related

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A. All Policies. Each insurance policy required by this Agreement shall be endorsed and state the coverage shall not be suspended, voided, cancelled by the insurer or either Party to this Agreement, reduced in coverage or in limits except after 30 days' prior written notice by Certified mail, return receipt requested, has been given to District

B. General Liability, Automobile Liability, and Abuse/Molestation Coverages.

(1) District, and its respective elected and appointed officers, officials, employees and volunteers are to be covered as additional insureds (collectively, "additional insureds") as respects the following: liability arising out of activities and/or Services Consultant performs; products and completed operations of Consultant; premises owned, occupied or used by Consultant; automobiles owned, leased, hired or borrowed by Consultant, and Abuse/Molestation. The coverage shall contain no special limitations on the scope of protection afforded to additional insureds.

(2) Each policy shall state that the coverage provided is primary and any insurance carried by any additional insured is in excess to and non-contributory with Consultant's insurance.

(3) Consultant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

(4) Any failure to comply with the reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to any additional insured.

III. Other Requirements. Consultant agrees to deposit with District, at or before the effective date of this Agreement and the WAL, certificates of insurance necessary to satisfy District that the insurance provisions of this Agreement have been complied with. District may require that Consultant furnish District with copies of original endorsements effecting coverage required by this section. The certificates and endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. District reserves the right to inspect complete, certified copies of all required insurance policies, at any time.

A. If any Services are performed by a subcontractor, Consultant shall furnish certificates and endorsements from each subcontractor identical to those Consultant provides.

B. Any deductibles or self-insured retentions must be declared to and approved by District. At the option of District, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects District or its respective elected or appointed officers, officials, employees and volunteers or the Consultant shall procure a bond guaranteeing payment of losses and related investigations, claim administration, defense expenses and claims.

C. The procuring of any required policy or policies of insurance shall not be construed to limit Consultant's liability hereunder nor to fulfill the indemnification provisions and requirements of this Agreement.

Not Project Related

Project #13-135

EXHIBIT D
TO AGREEMENT FOR CONSULTANT SERVICES #13-135

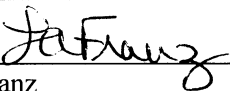
CONFLICT OF INTEREST CHECK

Bylaws of the Board 2030(C)E requires that the Superintendent or a designee make a determination, on a case by case basis, concerning whether disclosure will be required from a consultant to comply with District's Conflict of Interest Code (commencing with Bylaws of the Board 2030 BB).

Consultants are required to file disclosures when, pursuant to a contract with District, Consultant will make certain specified government decisions or will perform the same or substantially the same duties for District as a staff person would.

The services to be performed by Consultant under the Agreement to which this Exhibit D is attached constitute do not constitute governmental decisions or staff services within the meaning of the Conflict of Interest Code. Therefore, Consultant, is is not subject to disclosure obligations.

Date: 11-20-13

By: 
Lisa A. Franz
Director, Purchasing

Not Project Related

Project #13-135

EXHIBIT "E"
TO AGREEMENT FOR CONSULTANT SERVICES #13-135

**BACKGROUND CHECK AND FINGERPRINTING PROCEDURES
FOR CONTRACTORS**

The successful Bidder will be required to assure that its employees, subcontractors of any tier, material suppliers, and consultants do not have direct contact with the District's students during the performance of the Contract in compliance with Education Code §§ 45125.1 and 45125.2. To assure these provisions, the successful Bidder's supervisor shall be fingerprinted, and proof of same shall be provided to the District prior to start of on-site work. The supervisor will monitor the workers' conduct while on school grounds. In addition, the successful Bidder shall barricade the Work area to separate its workers from the students. Costs associated with this process are the responsibility of the successful Bidder.

The Contractors' construction supervisors or their unsupervised employees who will be working outside of fenced areas during the school hours **must** have submitted a fingerprint identification card to the Department of Justice (DOJ) and have a proof of clearance in the form of an affidavit filed in the Oxnard School District's Purchasing Office **prior to** the start of the Work.

California Education Code §§45125.1 and 45125.2 require that criminal checks be completed for contractors (Contracting Firm) who provide architectural, construction, janitorial, administrative, landscape, transportation, food-related, or other similar services to school districts.

The undersigned does hereby certify to the Board of Trustees of the Oxnard School District as follows:

That I am a representative of the Contractor currently under contract ("Contract") with the District; that I am familiar with the facts herein certified, and am authorized and qualified to execute this certificate on behalf of Contractor.

Contractor certifies that it has taken the following actions with respect to the construction Project that is the subject of the Contract:

1. Pursuant to Education Code §45125.2, Contractor has installed or will install, prior to commencement of Work, a physical barrier at the Work Site, which will limit contact between Contractor's employees and District pupils at all times (mandatory for all Projects); AND
2. The Contractor has complied with the fingerprinting requirements of Education Code §45125.1 with respect to all Contractor's employees and all of its subcontractors' employees who may have contact with District pupils in the course of providing services pursuant to the Contract, and the California Department of Justice has determined that none of those employees has been convicted of a felony, as that term is defined in Education Code §45122.1. A complete and accurate list of Contractor's employees and of all its subcontractors' employees who may come in contact with District pupils during the course and scope of the Contract is attached hereto; AND/OR

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3. Pursuant to Education Code §45125.2, Contractor certifies that all employees will be under the continual supervision of, and monitored by, an employee of the Contractor who the California Department of Justice has ascertained has not been convicted of a violent or serious felony. The name and title of each employee who will be supervising Contractor's employees and its subcontractors' employees is:

Name: SEE LIST BELOW - ALL CLEARED

Title: _____

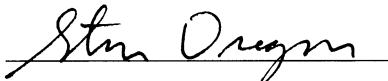
AND/OR

4. The Work on the Contract is at an unoccupied school site and no employee and/or subcontractor or supplier of any tier of Contract shall come in contact with District pupils.

Contractor's responsibility for background clearance extends to all of its employees, Subcontractors, and employees of Subcontractors coming into contact with District pupils regardless of whether they are designated as employees or acting as independent contractors of the Contractor.

Date: 10/30/13

Proper Name of Contractor: ATC GROUP SERVICES INC dba CARONO ATC

Signature: 

By: STEPHEN DRENSON

Its: PROGRAM MANAGER

PRINTS ON FILE & CLEARED:

STEPHEN DRENSON SR PM
CARLOS GALDAMEZ SA PM
BARRY HIETT SA PM
ROBERT de la TORRE TECH
DAMON CARRIER TECH
RICHARD GARCIA TECH

Not Project Related

Project #13-135

EXHIBIT "F"
TO AGREEMENT FOR CONSULTANT SERVICES #13-135

SCOPE OF SERVICES – Lead, Asbestos, & Hazardous Materials Survey & Testing

The Lead, Asbestos, & Hazardous Materials Survey & Testing Lab’s Scope of Work includes, but is not limited to, the following:

Consultant shall ensure that the project sites and existing improvements are free from hazardous materials, and/or to verify the presence of hazardous materials and develop a work plan to remove, contain, or otherwise mitigate the effects of hazardous materials to the school site. All work by this consultant must be performed in accordance with Division of State Architect (DSA), California Department of Education (CDE), California Department of Toxic Substances Control (DTSC), California Environmental Quality Act (CEQA), California Occupational Safety and Health Administration (Cal-OSHA), and all other agencies having jurisdiction.

1. Pre-Construction Services:

a. Asbestos-Related Consulting Services

- i. Provide State of California, Division of Occupational Safety and Health Association (OSHA), Certified Asbestos Consultant(s) (CAC) or Certified Site Surveillance Technician(s) (CSST), for asbestos-related services.
- ii. Review sites and scope of work and/or specification and plans for proposed construction activities to determine the type of work that will occur on the project. Also, CONSULTANT shall review building records, including architectural and structural plans as provided by the DISTRICT to obtain information regarding building elements and for reference to asbestos used in construction, renovation and/or repair.
- iii. Meet with District Project Manager and where applicable, other consultants, to perform on-site inspections of the locations involved in the project to determine where asbestos containing materials may be present, or are in close proximity to the work and could be impacted, as a result of the project.
- iv. Review of previous asbestos documents provided by the DISTRICT to determine sampling strategy. Sampling to be conducted in accordance with EPA/AHERA established sampling protocols and asbestos analysis shall be performed by an NVLAP Accredited Laboratory.
- v. Inspections shall include accessing and possibly creating destructive entry into walls and enclosed spaces. CONSULTANT shall collect representative bulk samples of suspect materials not identified as positive or negative for asbestos content. Materials assumed to contain asbestos, such as transite pipes and flues, gaskets, etc. will not be sampled or analyzed.
- vi. Take digital photographs of special site conditions, anomalies, and for describing conditions more clearly.
- vii. Review existing Asbestos Management Plan, Survey Reports and supplemental bulk sample and analysis reports and reports prepared by consultants on prior projects.

b. Lead Based Paint (LBP) and other Lead-Related Consulting Services

- i. Provide staff with State of California, Department of Health Services Lead Certification to perform lead-related services.

Not Project Related

Project #13-135

- ii. Review sites and scope of work and/or specification and plans for proposed construction activities to determine the type of work that will occur on the project.
- iii. Meet with District Project Manager and where applicable, other consultants, to perform on-site inspections of the locations involved in the project to determine where lead-based paint may be present, or are in close proximity to the work and could be impacted, as a result of the project.
- iv. Areas of deteriorated paint or other lead-containing materials may need to be identified so that loose and flaky paint, or other potential lead-containing materials, can be removed or otherwise properly handled prior to and/or during demolition and construction.
- v. Lead-based paint testing will be performed using a portable X-ray fluorescence (XRF) analyzer.

c. Hazardous Materials Consulting Services

- i. Prior to demolition or abatement, a survey of potential hazardous materials (in addition to asbestos and lead based paint (LBP) must be inventoried. CONSULTANT shall perform a visual evaluation of potential hazardous chemicals and/or ballasts to determine the need for additional mitigation efforts required for safe demolition. CONSULTANT is to visit the project site and determine what materials require sampling. CONSULTANT is to take bulk samples of all materials that are suspected to be hazardous including all unmarked containers containing unknown substances. Samples are analyzed for PCBs according to EPA Method 8082 by an accredited laboratory using proper chain-of custody procedures to collect and transport samples.
- ii. The following items require sampling:
 - Polychlorinated Biphenyl (PCB) Ballasts including capacitors
 - Mercury thermostats and light switches and fluorescent light tubes
 - Cooling units, Freon heating, refrigerators, air conditioners and drinking water fountains
 - Hydrocarbon-containing equipment (door closers)
 - Lead (lead-acid batteries)
 - Other suspect items including but not limited to paint, coatings, window film, ceramic tile, ceiling tile, resilient flooring tile, adhesives/mastics, and any other potentially hazardous or suspect materials or items.

d. Evaluation of Soil Conditions

- i. Assessing site structures for the potential presence of hazardous materials will occur concurrently with evaluating soils for the same. This requirement may be due to the Site's history and the analytes that may occur in the soils of such properties. The analytes include lead leached from LBP, organochlorine pesticides (OCP) used for termite control, PCBs from pole-mounted transformers, pesticides, fertilizers, heavy metals, hydrocarbons, and all other hazardous materials identified by DTSC as a potential threat to the health and well being of students.
- ii. To assess the potential presence of these analytes at the Site and to characterize them, if present, the CONSULTANT may be required to prepare a workplan. The proposed work for evaluation of the presence of residual lead in soil from LBP or other lead affected materials shall be conducted in a manner consistent with the California Environmental Protection Agency (Cal EPA) and Department of Toxic Substances Control (DTSC) regulations.
- iii. Soils samples may be collected within the buildings' drip lines and exterior areas with known, or the potential for, LBP. CONSULTANT shall collect samples from ground surface to approximately 0.5 feet below ground surface (bgs). Based on analytical results, additional soil samples may be collected from other lateral "step-out" positions to define the extent of soils with

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lead exceeding current allowable regulatory limits. The exact number of samples collected at each building will be determined by accessibility.

- iv. After sample collection, the CONSULTANT will close each borehole and decontaminate drilling and sampling equipment. To close the borehole, the CONSULTANT shall backfill it with unused sample material and/or hydrated bentonite chips to grade and finish the borehole with material that is compatible with the surrounding surface.

2. Construction Phase:

- a. During the course of construction, monitor abatement work to ensure compliance with the contract requirements and completion of the work by the abatement contractor. During construction, perform the following tasks:
 - i. Attend all necessary construction meetings during the course of abatement work
 - ii. Review abatement contractor submittals
 - iii. Provide on-site inspections with daily reports and photos of abatement work. Maintain on-site records and perform monitoring during all abatement work. Perimeter monitoring for fugitive lead and asbestos at or near the entrances and or openings to the containment zone are an essential part of assuring that the containment is operating properly. This perimeter monitoring shall be performed by the CONSULTANT.
 - iv. Monitor abatement contractor's compliance with the plans, specifications and any regulations including but not limited to certification of abatement workers, ensuring proper containments, and confirmation of the removal of all asbestos, lead and hazardous materials.
 - v. Assist the District with problem resolutions associated with abatement work and keep District informed of abatement contractor's performance.
 - vi. Surveys of existing buildings and sample collection, and utilization and compliance with OSHA, AHERA and ASHARA and EPA approved methods.
 - vii. Complete written reports on all activities performed.
 - viii. Consultation on remedial action and contractor selection.
 - ix. Develop, implement and monitor a network of real-time ambient air monitoring stations to screen for potential particulate matter released from construction activities on the Project Site.
 - x. Collect and analyze a subset of daily air monitoring samples for contaminants of potential concern via Transmission electron Microscopy (TEM), Scanning Electron Microscopy (SEM), or other appropriate methodology.
 - xi. An on-site technical staff position may be required to interpret, consult and advise on air monitoring results.
 - xii. Upon completion of the contracted abatement, the CONSULTANT shall inspect the entire surface from which asbestos-containing materials have been abated as well as the entire containment setup, plastic, and/or polyethylene used in the containment setup, the decontamination setup and any other item, equipment or material within the isolated/regulated area.

Not Project Related

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xiii. The CONSULTANT shall verify that all surfaces are free of visible debris before approving the area.

3. Close-out Phase:

- a. Verify the Uniform Hazardous Waste Manifest, when required, has been submitted and reviewed by Office of Environmental Health and Safety (OEHS) for completeness a minimum of 48-hours prior to the date the waste is to be removed from the site. Consultant shall provide waste specific information for inclusion on the manifest. No hazardous waste may be transported away from a District site without a manifest. Submit all original paper work required to be maintained by the contract documents, this agreement, and by law to the District.
- b. Upon completion of the abatement work, prepare a Closeout Abatement Report that documents all the activities performed, including copies of all sampling forms with results, daily reports, progress photos, correspondence and any regulatory compliance forms.

4. Reports

As part of the Services, Consultant will prepare and deliver the following tangible work products to District:

- a. Assessment Reports, Abatement Plan, & Final Close-Out Report
 - i. Prepare an Assessment Report for each project and in the case of projects involving site acquisition, subsections by each property parcel including a description of the site conditions, details of the site inspection/investigations, site drawings indicated sampling locations, site photographs and laboratory results with a summary of all identified asbestos, lead or hazardous materials and soil conditions.
 - ii. Prepare recommendations and an abatement plan with an estimate of costs for abatement of the materials that will impact the project/parcels. The abatement plan shall include an Abatement Scope of Work and Abatement Technical Specifications to be included in the Project Bid Documents. The specifications will stipulate industry standard methods for abatement activities; ACBM, LBP, and HMA abatement methods; removal and disposal methods, regulations, and standards to be followed. Drawings will be included to depict the location and design of containment systems, access to abatement areas, routes for waste removal, locations of waste containers, and other details important to abatement activities. Under otherwise desired by DISTRICT, the specifications will allow for one 8-hour work shift per day of abatement. The Bid Documents will require that bids include a schedule consistent with the DISTRICT'S needs; a work plan based on specifications; a list of recently completed projects; records of any EPA or OSHA citations; and documentation of insurance, licensing, training, medical surveillance and respirator fit-testing.
 - iii. Preparation of a final report describing and quantifying identified friable and non-friable ACMs associated with the property.
 - iv. Upon completion of the abatement work, prepare a Closeout Abatement Report that documents all the activities performed, including copies of all sampling forms with results, daily reports, progress photos, correspondence and any regulatory compliance forms.

5. Time

Phase 1 initial survey & sampling report shall be provided to the District within 30 days of receipt of Notice to Proceed (NTP). Phase 2 work detailing all required remediation, abatement, and containment activities to be performed shall be provided within 45 days of receipt of NTP. Phase 3 monitoring &

Not Project Related

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observation reports shall be provided on a weekly basis while work is underway to summarize activities completed that week, and look ahead for upcoming activities over next two weeks. Final Close-out Abatement Report shall be provided within 30 days of completion of all remediation, abatement, and containment activities.

6. Accuracy Standards

Precision of all required reports and recommendations shall be in accordance with the professional standard of care to be expected of professional hazardous materials consultants licensed to practice in the State of California.

Not Project Related

Project #13-135

EXHIBIT "G"
TO AGREEMENT FOR CONSULTANT SERVICES #13-135

INVOICE APPROVAL LETTER & BILLING COVER SHEET

DATE:

Project No. ___: [INSERT PROJECT NAME]

Consultant: Cardno ATC ("ATC")

ATC has submitted Invoice No. _____ for review by the District's Program Manager, Caldwell Flores Winters, Inc. ("CFW"), and Assistant Superintendent of Business Services, Lisa Cline.

By signing below, a representative of ATC, hereby certifies that the invoice submitted is a true and accurate reflection of the work performed to date, is an accurate representation of the percent work completed for the phase identified in the invoice, and that the invoice submitted does not include any charges for services that have been previously paid, or rejected by the District and/or CFW.

Cardno ATC Date

The invoice has been reviewed by the following and is recommended for payment:

Caldwell Flores Winters, Inc. Date

Oxnard School District Date
Lisa Cline, Assistant Superintendent,
Business and Fiscal Services

- Not Project Related
 Project #13-135

Consultant/Vendor Billing Instructions

Invoice Cover Sheet Set-Up.

- 1 See "billing tab" below for spreadsheet, these are the instructions
- 2 Enter Project Site name, DSA project number, Project Type, Invoice #, Date, Your Company Name, fax, phone, etc....
- 3 Enter PO # (Purchase Order #) provided to you when contract issued.
- 4 Feel free to include your company logo if you wish
- 5 Enter approved contract agreements, amendments, re-imbursables, allowances, etc. for which you are billing. Include summary scope of work. Enter "Cost Code" provided to you by Program Manager.
- 6 If you wish to break the contract work items down into portions that you would typically separate for progressive payments, please do that now. If your contract allows re-imbursables in addition to contract fee, please separate these values. If you require more line items to complete this step, please highlight the entire last row by clicking on the grey row # at left, press CTRL+C to copy row, right click grey row # immediately below, select "Insert Copied Cells". This can be repeated as many times as necessary. Multiple rows can be copied/inserted in a single step by highlighting multiple rows prior to copying.

First Billing.

- 5 **IMPORTANT!** When you are entering costs for your first billing, enter values (dollar amounts) **ONLY** into the green column. The percentages will change automatically. **NOTE: Select the (% Complete) billing tab if you prefer to track your billings based on total project % complete. Once % complete is entered, billable amount will populate automatically. Select the (lump sum) billing tab if you prefer to track your billings as a lump sum billable amount to date. Once lump sum amount is entered, % complete will populate automatically.**
- 6 Send invoice based on the Dollar value at the PRE-RETENTION value, if applicable.

Subsequent Billings

- 7 Manually input the dollar values from the "cost completed to date" column into the blue "total previous billings" column
- 8 Enter the corresponding dollar values/% complete values into the green column for total work complete to date.
- 9 Submit a conditional release waiver with the billing. Submit signed pay request certification form.
- 10 Email (tmiddlestadt@cfwinc.com), or mail to the CFW Oxnard office at 1901 Victoria Ave, Suite 106 Oxnard, CA 93035. Please allow 4-6 weeks for invoice processing prior to payment.
- 11 Please note that invoice amounts which exceed remaining contract balance will not be processed, and will be returned to Vendor pending additional contract agreement(s). Incorrect contract amounts, cost codes, or other errors & miscalculations can delay/prevent processing of payment.

NOTE: All Consultant/Vendor invoices must be accompanied by this worksheet to ensure proper payment. Invoices without this worksheet may be rejected and may delay payment until the next billing cycle or until the spreadsheet becomes accurate. Invoices not received by the 25th may be delayed until the next billing cycle. Contact the Program Manager with any questions regarding billing values, or any other information required, prior to submitting a billing.



CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
10/31/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| | | | |
|--|---|--|---------------|
| PRODUCER Aon Risk Services Southwest, Inc. Houston TX Office 5555 San Felipe Suite 1500 Houston TX 77056 USA | CONTACT NAME: PHONE (A/C. No. Ext): (866) 283-7122 FAX (A/C. No.): (800) 363-0105 | | |
| | E-MAIL ADDRESS: | | |
| INSURED ATC Group Services, Inc. Cardno ATC ATC Associates, Inc. 221 Rue De Jean Suite 200 Lafayette LA 70508 USA | INSURER(S) AFFORDING COVERAGE | | NAIC # |
| | INSURER A: Insurance Co of the State of PA | | 19429 |
| | INSURER B: National Union Fire Ins Co of Pittsburgh | | 19445 |
| | INSURER C: New Hampshire Ins Co | | 23841 |
| | INSURER D: Chartis Specialty Insurance Company | | 26883 |
| | INSURER E: INSURER F: | | |

COVERAGES **CERTIFICATE NUMBER:** 570051838093 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. **Limits shown are as requested**

| INSR LTR | TYPE OF INSURANCE | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|----------|--|-----------|----------|--|-------------------------|-------------------------|--|-------------|
| D | GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractual Liability is included <input checked="" type="checkbox"/> General Agg. apply per Project GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC | | | PROP11781522 | 09/30/2013 | 09/30/2014 | EACH OCCURRENCE | \$1,000,000 |
| | | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) | \$300,000 |
| | | | | | | | MED EXP (Any one person) | \$10,000 |
| | | | | | | | PERSONAL & ADV INJURY | \$1,000,000 |
| | | | | | | | GENERAL AGGREGATE | \$2,000,000 |
| | | | | | | | PRODUCTS - COMP/OP AGG | \$2,000,000 |
| A | AUTOMOBILE LIABILITY | | | CA 3582949 Auto (AOS) | 09/30/2013 | 09/30/2014 | COMBINED SINGLE LIMIT (Ea accident) | \$1,000,000 |
| B | <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS | | | CA 2714604 Auto (MA) | 09/30/2013 | 09/30/2014 | BODILY INJURY (Per person) | |
| | | | | | | | BODILY INJURY (Per accident) | |
| | | | | | | | PROPERTY DAMAGE (Per accident) | |
| D | <input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$10,000 | | | PROU11781566 | 09/30/2013 | 09/30/2014 | EACH OCCURRENCE | \$5,000,000 |
| | | | | | | | AGGREGATE | \$5,000,000 |
| C | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | Y/N N | N/A | WC039901297 WC _ AOS SIR applies per policy terms & conditions | 09/30/2013 | 09/30/2014 | <input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER | |
| | | | | | | | E.L. EACH ACCIDENT | \$1,000,000 |
| | | | | | | | E.L. DISEASE-EA EMPLOYEE | \$1,000,000 |
| | | | | | | | E.L. DISEASE-POLICY LIMIT | \$1,000,000 |
| D | Contractor Prof | | | PROP11781522 Professional Liability | 09/30/2013 | 09/30/2014 | Aggregate | \$2,000,000 |
| | | | | | | | Per Incident | \$1,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
RE: Meeting of the Board of Trustees of the Oxnard School District on November 13, 2013.

| | |
|--|---|
| CERTIFICATE HOLDER Oxnard School District Program Manager 6425 Christie Ave., Suite 270 Emeryville CA 94608 USA | CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>Aon Risk Services Southwest, Inc.</i> |
|--|---|

Holder Identifier :

Certificate No : 570051838093

RECEIVED NOV 01 2013 CFW



ADDITIONAL REMARKS SCHEDULE

| | | | |
|---|-----------|---|--|
| AGENCY Aon Risk Services Southwest, Inc. | | NAMED INSURED ATC Group Services, Inc. | |
| POLICY NUMBER See Certificate Number: 570051838093 | | | |
| CARRIER See Certificate Number: 570051838093 | NAIC CODE | EFFECTIVE DATE: | |

ADDITIONAL REMARKS

**THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance**

| INSURER(S) AFFORDING COVERAGE | NAIC # |
|-------------------------------|--------|
| INSURER | |
| INSURER | |
| INSURER | |
| INSURER | |

ADDITIONAL POLICIES If a policy below does not include limit information, refer to the corresponding policy on the ACORD certificate form for policy limits.

| INSR LTR | TYPE OF INSURANCE | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFFECTIVE DATE (MM/DD/YYYY) | POLICY EXPIRATION DATE (MM/DD/YYYY) | LIMITS | |
|----------|----------------------|-----------|----------|--|------------------------------------|-------------------------------------|--------------|-------------|
| | WORKERS COMPENSATION | | | | | | | |
| C | | N/A | | WC039901296 WC - (NJ,PA) SIR applies per policy terms & conditions | 09/30/2013 | 09/30/2014 | | |
| C | | N/A | | WC039901295 WC - (IL,KY,NC,NH,UT,VT) SIR applies per policy terms & conditions | 09/30/2013 | 09/30/2014 | | |
| C | | N/A | | WC039901294 WC - (AK,AZ,GA,VA) SIR applies per policy terms & conditions | 09/30/2013 | 09/30/2014 | | |
| C | | N/A | | WC025842892 WC - FL SIR applies per policy terms & conditions | 09/30/2013 | 09/30/2014 | | |
| C | | N/A | | WC012055045 WC - (MA,ND,OH,WA,WI,WY) SIR applies per policy terms & conditions | 09/30/2013 | 09/30/2014 | | |
| A | | N/A | | WC025842891 WC - CA SIR applies per policy terms & conditions | 09/30/2013 | 09/30/2014 | | |
| | OTHER | | | | | | | |
| D | Contractor Poll | | | PROP11781522 Pollution Coverage | 09/30/2013 | 09/30/2014 | Aggregate | \$2,000,000 |
| | | | | | | | Per Incident | \$1,000,000 |
| | | | | | | | Deductible | \$25,000 |
| | | | | | | | SIR/Deduct | \$25,000 |

BOARD AGENDA ITEM

Name of Contributor(s): Dr. Cesar Morales/Lisa Cline

Date of Meeting: 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT AGENDA _____
SECTION D: ACTION X
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Ratification of Amendment #003 to Agreement #12-240 with Dougherty + Dougherty Architects to provide additional Architectural Services for the Harrington Elementary School Reconstruction Project (Morales/Cline/CFW)

At the June 3, 2013 Board meeting, the Board of Trustees approved Agreement #12-240 authorizing an architectural services contract between Dougherty + Dougherty Architects (“D+D”) and the District for the Harrington Elementary School Re-Construction Project (Harrington E.S.) for the sum of One Million One Hundred Twenty-Five Thousand and Thirty-Seven Dollars and No Cents (\$1,125,037.00).

At the May 12, 2014 Board meeting, the Board of Trustees approved Amendment No. 1 in the amount of Fifty-Nine Thousand Seven Hundred Fifty Dollars and No Cents (\$59,750.00) for D+D Architects to perform additional design services related to the addition of the Harrington E.S. Interim Pre-School to the Harrington Elementary School Reconstruction Project.

At the June 3, 2015 Board meeting, the Board of Trustees approved Amendment No. 1-A in the amount of One Hundred Eight Thousand Five Hundred Dollars and No Cents (\$108,500.00), for design services for the Harrington Early Childhood Development Center.

At the December 9, 2015 Board meeting the Board of Trustees approved Amendment No. 2 in the amount of Forty Thousand Nine Hundred Forty Dollars and No Cents (\$40,940.00) to provide for additional structural engineering required for the Early Childhood Development Center (\$21,800.00) and for the perimeter fencing design at Harrington Elementary School (\$19,140.00).

The new main campus was substantially completed and occupied on December 18, 2015. During the work associated with construction of the new parking lot located along Gisler Avenue north of the new campus, District Administration inquired about the ability to add lighting to the new parking lot. The inquiry was presented to the Architect who determined there was available capacity for the electrical service to accommodate the additional electrical usage generated from parking lot lighting.

Amendment No. 003 from Dougherty + Dougherty Architects, LLP dated February 19, 2016, and in the amount of \$8,670.00, was presented to the District for the additional costs associated

with design revision, electrical engineering and presentation to both the Division of the State Architect (“DSA”) and California Department of Education (“CDE”) for review and approval.

FISCAL IMPACT:

Eight Thousand Six Hundred Seventy Dollars and Zero Cents (\$8,670.00) – Measure R

RECOMMENDATION:

It is the recommendation of the Superintendent, and the Deputy Superintendent, Business and Fiscal Services, in consultation with Caldwell Flores Winters, Inc, that the Board of Trustees ratify Amendment #003 to Agreement #12-240 for additional Architectural Services for the Harrington Elementary School Reconstruction Project.

ADDITIONAL MATERIAL(S):

- Amendment #003 (2 Pages)
 - Proposal, Dougherty + Dougherty (3 Pages)
 - Master Agreement #12-240, Dougherty + Dougherty (76 Pages)
-

GOALS:

- ***District Goal Three: Adopt and Implement a Comprehensive Facilities Program that Improves Student Performance, Maximizes State Funding Opportunities and Reduces Overcrowding at Existing School Sites***

**Amendment No. 003 to Architect
Services Agreement No. 12-240**

The Architect Services Agreement No. 12-240 (“Agreement”) entered into on June 26, 2013, by and between the Oxnard School District (“District”) and Dougherty + Dougherty Architects, LLP (“Architect”), is hereby amended by the parties as set forth in this Amendment No. 003 to the Architectural Services Agreement No. 12-240 (“Amendment”) that is incorporated herein for all purposes.

RECITALS

WHEREAS, The District retained Architect to provide architectural and design services for Project No. 4 of the District’s Facilities Implementation Plan, otherwise referred to as the Harrington K-5 Reconstruction Project (“Project”);

WHEREAS, the Architect has completed the design work for the Project and submitted the construction documents to the Division of the State Architect (“DSA”) for their review;

WHEREAS, DSA has reviewed the Project plans and has stamp-approved the construction plans;

WHEREAS, the Board of Trustees has taken certain actions to approve the construction of the New Harrington Elementary School K-5 campus;

WHEREAS, upon consideration of the proposed modifications to the new parking lot area, the timing of those modifications, the District requires amending the scope of work of D+D Architects to design, engineer and coordinate the completion of the new school incorporating the additional work contemplated by the District Administration;

WHEREAS, the Board recognizes that the timing of the various components of work must all be approved by DSA;

NOW THEREFORE, for the good and valuable consideration, the Parties agree to the following amended terms to Agreement:

AMENDMENT

The Parties agree to amend SECTION 3 of the Agreement by adding the following language:

The definition of the Project is expanded to include the addition of parking lot lighting improvements. The proposed amendment contemplates all design work related to the design and engineering of the work, the preparation of a Construction Change Directive (“CCD”) and the work associated with any and all permitting, licensing, and agency approvals, including stamp-approval from DSA, and upon completion of the construction project, all work associated with certified close-out of Project.

The Parties agree to amend SECTION 4 of the Agreement by adding the following language:

The definition of Basic Services is expanded to include the deliverables and submittals set forth herein, provided for under the original Agreement between the Parties and those identified in Exhibit H hereto, where not inconsistent with the original Agreement or this Amendment. Terms used in Exhibit H shall have the same meaning as those terms are defined in the Agreement.

The Parties agree to add a new SECTION 5.2b to the Agreement as follows:

SECTION 5.2b Additional Compensation for Harrington Elementary School Reconstruction Project revised Scope of Work. The Architect agrees to perform the Basic Services as described in the original Agreement, and Exhibit “H” thereto, with respect to the Amended Project. Architect agrees to deliver the deliverables identified in Exhibit “C” of the original Agreement for the Amended Project. In consideration for the amended basic services and deliverables, Architect agrees to be compensated an additional flat “all-in” Basic Fee for the additional work totaling:

- A. Three Thousand Nine Hundred Sixty Dollars and No Cents (\$3,960.00) for the adjusting of the scope of the Harrington Elementary School Re-Construction project and incorporating the additional scope including: document preparation required for DSA submittal and review, and issuance to the general contractor for construction; submittal as required to DSA as a CCD; review of DSA comments and incorporation of corrections for final DSA approval; and provide construction support by addressing requests for information and review of additional documents provided by the contractor for review and approval.**
- B. Four Thousand Seven Hundred Ten Dollars and No Cents (\$4,710.00) for Electrical engineering related to the addition of five (5) parking lot light poles and related conduit.**

The combined sum for the additional services total:

Eight Thousand Six Hundred Seventy Dollars and No Cents (\$8,670.00)

The Parties agree that the work identified herein constitutes all of the additional owner requested scope, changes or modifications arising out of this Agreement.

The Parties agree that all other provisions of the Architectural Services Agreement No. 12-240 entered into and executed by the Parties on June 26, 2013 remain in full force and effect. Architect agrees that any provisions, limitations and exclusions in its proposal, Exhibit “H” hereto, are stricken for all purposes and are invalid as inconsistent with the terms and conditions of the Agreement and this Amendment.

IN WITNESS THEREOF, the Parties hereto execute this Amendment No. 003 and represented that each has authority to do so on the dates set forth below:

OXNARD SCHOOL DISTRICT:

By: _____
Lisa A. Franz, Director, Purchasing

Date:

DOUGHERTY + DOUGHERTY ARCHITECTS, LLP:

By: _____
Brian Dougherty, Principal


Date:




ARCHITECTURE
PLANNING
INTERIORS

3194D

Airport Loop
Costa Mesa
California
92626-3405

714.427.0277 

714.427.0288 

WWW.dDARCHITECTURE.COM

February 19, 2016

Ms. Adrine Golnazarian
Caldwell Flores Winters
815 Colorado Boulevard, Suite 200
Los Angeles, California 90041

Re: Proposal for Additional AE Services for Harrington Elementary School – Parking Lot and Trash Enclosure Lighting
21336.00

Dear Ms. Golnazarian:

Pursuant to District requests, we respectfully submit this proposal to provide professional services to incorporate additional conduits for campus connectivity as well as additional light fixtures for both the new parking lot and trash enclosure.

Our services will include the following tasks:

- **Task 1 – Design and documentation:** Prepare documentation required for submittal/review by DSA as required and issuance to the general contractor for construction.
- **Task 2 – Review and approval:** Submittal as required to DSA as CCD, review of comments and incorporation of corrections for final approval.
- **Task 3 - Construction support:** Address requests for information and review of additional documents provided by the contractor for review and approval.

Services include architectural and electrical engineering. It is assumed that structural engineering will not be required to incorporate the requested changes but can be provided as additional services if required or requested.

Fees for these services shall be a stipulated lump sum of **\$8,670 (eight thousand six hundred and seventy dollars)** according to the following breakdown:

| | | |
|------------------------|----------------|--|
| Architecture | \$3,960 | (Task 1: 10 hrs at a rate of \$165/hr) (Task 2: 6 hrs at a rate of \$165/hr) (Task 3: 8 hrs at a rate of \$165/hr) |
| Electrical Engineering | <u>\$4,710</u> | |
| Total | \$8,670 | |

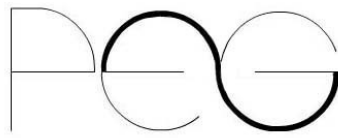


We look forward to the opportunity to continue to serve the needs of the District on this project. Please contact our office if you have any questions about this proposal.

Sincerely,

Diego Matzkin, AIA
Project Manager

Cc: Brian Dougherty, FAIA



February 16, 2016

Mr. Diego Matzkin
Dougherty and Dougherty
3194 D Airport Loop
Costa Mesa, CA 92626-3405

**Re: *Harrington Elementary School
Extra Services - Parking Lighting and Trash Enclosure Lighting Addition***

Dear Joe:

Please accept this letter as our proposal for extra services for the referenced project. The revisions are as follows:

1. Complete Parking and Trash Enclosure Lighting Design including revision of site plan, lighting fixture schedule, detail sheets, panel schedule, and energy calculation Title 24.
2. All revisions will be submitted to DSA as Addendum or CCD.

Our proposed fee is **\$4,710**.

Sincerely,

PACIFIC ENGINEERS GROUP


Jimmy Fong, P.E.
Principal

AGREEMENT FOR ARCHITECTURAL SERVICES

BETWEEN

DOUGHERTY + DOUGHERTY ARCHITECTS, LLP

AND

OXNARD SCHOOL DISTRICT

JUNE 26, 2013

FOR

PROJECT 4 – HARRINGTON RECONSTRUCTION

received
COW 7/21/13

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AGREEMENT FOR ARCHITECTURAL SERVICES

PREAMBLE

This Agreement for Architectural Services (“**Agreement**”) is entered into on this 26th day of June, 2013 by and between **DOUGHERTY + DOUGHERTY ARCHITECTS, LLP**, an architectural firm that employs architects licensed to work in the State of California (collectively and individually, the “**Architect**”), with a business address at 3194 D. Airport Loop Drive, Costa Mesa, CA 92626 and the Oxnard School District, a California public school district (“**District**”), with offices located at 1051 South A Street, Oxnard CA 93030. District and Architect are sometimes individually referred to herein as “**Party**” and collectively as “**Parties.**”

RECITALS

WHEREAS, the **District** proposes to undertake the construction and installation of certain improvements, as further defined and described below (the “**Project**”) and, in connection with the Project, requires the services of a duly qualified and licensed architect.

WHEREAS, the **Architect** represents that its employees are licensed to practice architecture in the State of California, as appropriate, and that the Architect is qualified to perform the services required under this Agreement.

WHEREAS, the Parties intend that the Architect provide professional services pursuant to this Agreement, under the management and oversight of the District’s Representative, in such manner as to enable the Project to be designed and constructed with the standard of care described herein without burdening the District’s staff.

AGREEMENT

NOW, THEREFORE, in consideration of the promises and covenants herein and other valuable consideration, receipt of which is acknowledged, the Parties agree as follows:

SECTION 1 GENERAL PROVISIONS

- 1.1 **DEFINITIONS.** When used in this Agreement or in the Exhibits, the following terms shall have the meanings set forth below:
 - 1.1.1 “**Addendum**” shall mean written or graphic information (including without limitation Drawings and Specifications), prepared and issued prior to the receipt of Bids, which modifies or interprets the Bid Set by additions, deletions, clarifications, or corrections.
 - 1.1.2 “**Additional Services**” shall mean those services in addition to the Basic Services that are provided by the Architect pursuant to a written request by the District.
 - 1.1.3 “**Agreement**” shall mean this document and all its identified exhibits, attachments and amendments.
 - 1.1.4 “**Architect**” shall mean the architectural firm listed in the first paragraph of this Agreement.

- 1.1.5 “**Architect Consultant**” shall mean a person properly qualified and licensed in an aspect of design and construction employed at Architect’s sole expense, pursuant to prior approval from the District, to provide Services for the Project.
- 1.1.6 “**Architect’s Supplemental Instruction**” or “**ASI**” shall mean a set of drawings which better explains the Architect’s intent with respect to the design of a building or structure
- 1.1.7 “**As-Built Documents**” shall mean the collection of documents assembled and prepared by the Contractor (including, without limitations the As-Built Drawings and specifications, shop drawings, approved changes, RFIs, manuals, etc.) showing the condition of the Project as actually built and accepted.
- 1.1.8 “**As-Built Drawings**” shall mean the final set of drawings prepared by the Architect that incorporates all changes from all drawings, sketches, details, and clarifications recording all changes from the Bid Set.
- 1.1.9 “**Basic Fee**” shall mean the compensation provided to the Architect for providing Basic Services.
- 1.1.10 “**Basic Services**” are described in Exhibit B and shall consist of (i) the professional design services, including but not limited to landscape and irrigation design, architectural, civil, structural, mechanical, plumbing (including fire sprinklers), acoustical, food service, audio and visual design, electrical services, a SWPPP for the Project, and LEED services as required to complete the Project; (ii) preparing educational specifications for the Project; and (iii) preparing and/or signing documentation required to obtain funding from any program administered by the State of California.
- 1.1.11 “**Bid**” shall mean the written proposal submitted to the District by a contractor in accordance with the Bid Set for the construction of the Project.
- 1.1.12 “**Bid Set**” shall mean the DSA Record Set, the construction contract, general conditions and any other documents included in the bid packages, including but not limited to any addenda, all in a form that District approves and uses to bid the construction of the Project.
- 1.1.13 “**Bidder**” shall mean the person or entity submitting a Bid.
- 1.1.14 “**BIM**” or “**Building Information Modeling**” shall mean the process of generating and managing building data during its life cycle. Typically it uses three dimensional, real-time, dynamic modeling software to increase productivity in building design and construction. The process encompasses building geometry, spatial relationships, geographic information, and quality and properties of building components.
- 1.1.15 “**CDE**” shall mean the California Department of Education.
- 1.1.16 “**Change Order**” or “**CO**” shall mean a written document between the District and the Contractor that is signed by the District and the Contractor authorizing a change in the work or and adjustment in the contract, or the contract time.
- 1.1.17 “**Change Order Request**” or “**COR**” shall mean a proposed change(s) in contract amount, requirements or time (outside the scope of the construction contract and/or provisions of its

changes clause) which becomes a Change Order when approved by the District and the Contractor.

- 1.1.18 **“CHPS”** shall mean Collaborative for High Performance Schools.
- 1.1.19 **“Construction Budget”** shall mean the amount of money that the District has allocated for the total Construction Cost for the Project, as may be amended by the District in its sole discretion.
- 1.1.20 **“Construction Cost”** shall mean, as of acceptance of the Project, the cost of all labor, materials, and fixtures (but not trade fixtures) supplied by the Contractor and subcontractors to construct the Project, including mobilization, demobilization, materials and other costs typically included in this calculation and *excluding* (i) all fees and costs paid to the Architect and any Architect Consultant; (ii) all costs and expenses of services, reports, information, equipment and materials furnished by the District; (iii) all costs and fees related to off-site improvements; (iv) all costs incurred to remedy any design or construction defects or errors; and (v) any other Project-related costs and fees typically excluded.
- 1.1.21 **“Construction Documents”** shall mean those documents which are required for the actual construction of the Project, including but not limited to the agreement between the District and the Contractor; complete working drawings and specifications setting forth in detail the work to be done and the materials, workmanship, finishes and equipment required for architectural, structural, mechanical, electrical systems and utility service-connected equipment and site work.
- 1.1.22 **“Construction Manager”** shall mean and refers to any professional or consultant retained by the District to plan, direct and coordinate the construction of the Project.
- 1.1.23 **“Construction Document Phase”** shall have the meaning set forth in Exhibit B.
- 1.1.24 **“Construction Phase(s)”** shall mean individual construction contract packages that are bid and/or contracted for separately.
- 1.1.25 **“Constructability Review”** shall mean the review of the design documents to ascertain whether the design of the Project as depicted in the Construction Documents, and the documents themselves: (i) accurately and completely reflects the District’s objectives as explained to the Architect by the District; and (ii) are free of errors, omissions, conflicts or other deficiencies so that the Contractor can construct the Project as therein depicted within the Project Budget and without delays, disruptions, or additional costs.
- 1.1.26 **“Contractor”** shall mean the general contractor or any other contractor selected to perform work or services on the Project or any replacement.
- 1.1.27 **“Contractor Payment Application”** shall mean a Contractor’s written request for payment for completed portions of the work and for materials delivered or stored by the Contractor.
- 1.1.28 **“Design Bid Build”** shall mean a project delivery method defined by the following characteristic – design and construction are separate contracts.
- 1.1.29 **“Design Development Phase”** shall have the meaning set forth in Exhibit B.
- 1.1.30 **“District”** shall mean the Oxnard School District.

- 1.1.31 **“District Design Standards”** shall be the implementation of standard equipment and/or products as determined by the District, into the overall Project design.
- 1.1.32 **“District’s Representative”** shall mean the District’s Superintendent and/or, Assistant Superintendent of Facilities and Operations and/or Director of Planning and Construction, and/or Program Manager or any authorized designee of those officers.
- 1.1.33 **“DSA”** shall mean the Division of the State Architect of the State of California.
- 1.1.34 **“DSA Record Set”** shall mean such documents, plans, drawings and specifications submitted to DSA as part of the design phase and stamped and approved by DSA for the Project.
- 1.1.35 **“Educational Specifications”** shall mean the interrelated statements that communicate what educators believe is required to support a specific educational program.
- 1.1.36 **“Funding Consultant”** shall mean any consultant designated by the District that assists the District in submitting applications for funding from programs administered by the State of California.
- 1.1.37 **“Guaranteed Maximum Price” or “GMP”** shall mean the cost for construction and installation of a project determined by the District and the lease-leaseback entity when the Lease-Leaseback delivery method is used and shall include both the “Estimated GMP” and the “Final GMP”.
- 1.1.38 **“Inspector of Record” or “IOR”** shall mean a certified Inspector approved by DSA to inspect work pursuant to the Field Act (California Education Code §17280 *et seq.*) and applicable provisions of the California Code of Regulations. The IOR also serves as the representative of the District to conduct field inspections of the Project during construction.
- 1.1.39 **“Lease-Leaseback”** shall mean a project delivery method under which the District leases real property it owns to a lease-leaseback entity and the lease-leaseback entity causes the construction of a facility the District desires on said real property and subleases the facility back to the District, with title to the facility vesting in the District at the end of the term of the sublease, as set forth in California Education Code §17406.
- 1.1.40 **“LEED”** shall mean Leadership in Energy and Environmental Design as administered by the U.S. Green Building Council.
- 1.1.41 **“Modernization/New Construction”** shall mean the comprehensive replacement or restoration of virtually all major systems, interior work (such as ceilings, partitions, doors, floor finishes, etc.) and building elements and features.
- 1.1.42 **“MOU”** shall mean a memorandum of understanding.
- 1.1.43 **“Notice of Completion” or “NOC”** shall mean the legal notice filed with the County Recorder after completion of the Project.
- 1.1.44 **“OPSC”** shall mean the Office of Public School Construction of the State of California.
- 1.1.45 **“Phase”** when used without the word “Construction” shall mean the various phases of architectural work described in this Agreement.

- 1.1.46 **“Potential Change Order”** or **“PCO”** shall mean a written document before it has been approved and effected by the Contractor and the District.
- 1.1.47 **“Principal(s)”** shall mean individual(s) who are participating owners of the Architect and are authorized to act on behalf of the firm.
- 1.1.48 **“Project”** shall mean the project described hereinafter in Section 3.
- 1.1.49 **“Project Budget”** shall mean the sum total of all monies allocated by the District to defray costs of the work and services related to the Project including, but not limited to, professional services, all construction services (such as site work, prime contracts, consultants, materials), contingencies and applicable general conditions for each Construction Phase.
- 1.1.50 **“Project Director”** shall mean, with reference to the Architect, a licensed, experienced and well trained professional employed by Architect and fully authorized to represent the Architect in all matters related to the Project including, but not limited to, executing change orders during construction, and to bind the Architect to any commitments made on the Architect’s behalf in connection herewith.
- 1.1.51 **“Program Manager”** shall mean the District approved program management firm, Caldwell Flores Winters, Inc., the primary District Representative and Project Manager for the Project.
- 1.1.52 **“Project Manager”** shall mean the person assigned by the District to supervise the Project. The District will identify the Project Manager(s) for each Project.
- 1.1.53 **“Project Schedule”** shall mean the entire series of events necessary to design and construct the Project and encompasses work and services of the Architect, Architect Consultant(s), the Contractor and other consultants.
- 1.1.54 **“Primavera Contract Management System”** or **“CMS”** shall mean the program/project management software required by the District to maintain, route and issue all design phase documents, construction documents, and close out documents.
- 1.1.55 **“Request for Information”** or **“RFI”** shall mean a written request from the Contractor to the District or the Architect for clarification or information about the Construction Documents following contract award.
- 1.1.56 **“Re-Use of Plans”** or **“Re-Use”** shall mean the process by which the Architect develops a design for the Project which meets the District Design Standards, Educational Specifications, Project Budget, and Project Schedule requirements, and is based upon a record set of plans, drawings, and specification approved by DSA for past projects constructed in other locations, and including all Site Adaption requirements.
- 1.1.57 **“SAB”** shall mean the State Allocation Board of the State of California.
- 1.1.58 **“Schematic Design Phase”** shall have the meaning set forth in Exhibit B.
- 1.1.59 **“Services”** shall mean all labor, materials, supervision, services, tasks, and work that the Architect is required to perform hereunder, including Basic Services and work reasonably inferred from this Agreement, as further described and clarified in **Exhibit B** hereto, including any Additional Services required of the Architect hereunder.

- 1.1.60 "Site Adaption" shall mean all necessary revisions to a record set of plans, drawings and specifications approved by DSA for a past project utilized in the Re-Use of Plans to ensure that site specific conditions and District requirements are incorporated into the final design, and DSA Pre-Check ("PC") Approval is maintained.
- 1.1.61 "SWPPP" shall mean Storm Water Prevention and Pollution Plan.
- 1.1.62 "Time Impact Analysis" or "TIA" shall mean a simplified analysis procedure typically specified on construction projects to facilitate the award of excusable days to project completion due to delays caused by either the District or the Contractor.
- 1.2 **INCORPORATION OF RECITALS, EXHIBITS AND REFERENCED DOCUMENTS.** The Recitals above and all Exhibits attached to this Agreement, now or hereafter by agreement of the Parties, are incorporated herein by reference and made a part of this Agreement.

SECTION 2

EMPLOYMENT OF ARCHITECT

- 2.1 **EMPLOYMENT OF ARCHITECT.** The District hereby retains the Architect, pursuant to California Government Code, Title 1, Division 5, Chapter 10.1 and Section 53060 thereof, to perform, for consideration and upon the terms and conditions set forth herein, all Services required to complete the Project, as may be hereafter amended in an expeditious, safe and satisfactory manner. The Architect hereby accepts such retention and commits to perform all the Services required to complete the Project in a professional and conscientious manner in accordance and consistent with highest industry standards and the standard of care generally employed by professionals licensed and qualified to perform similar services within the State of California. The Services shall be performed in a safe, expeditious and satisfactory manner, with allowance for periods of time required for (i) the District's review and approval of submissions to the District by the Architect; (ii) review and approval of submissions to those authorities having jurisdiction over the Project; and (iii) the Architect's review of submissions to the Architect from the District, or authorities having jurisdiction over the Project.
- 2.2 **PROJECT DIRECTOR AND OTHER EMPLOYEES.** The Architect shall appoint and designate one State of California licensed architect to serve as the Project Director for the Project. The Project Director shall maintain personal oversight of the Project and the Services and shall be the primary contact on the Architect's behalf for all matters related to the Project for which he or she is designated as Project Director. The Project Director shall be vested with full authority to represent and act on behalf of the Architect for all purposes under this Agreement.
- 2.3 **ARCHITECT COVENANT AGAINST CONTINGENT FEES.** The Architect warrants and represents that it has not employed or retained any company or person, other than a bona fide employee working solely for the Architect, to solicit or secure this Agreement, and that it has not paid or agreed to pay any company or person, other than a bona fide employee working solely for the Architect, any fee, commission, percentage, brokerage fee, gift, or any other consideration contingent on or resulting from the award or making of this Agreement. For breach or violation of this warranty, the District shall have the right to annul this Agreement without liability, or in its discretion, to deduct from the Basic Fee or otherwise recover, the full amount of such fee, commission, percentage fee, gift, or contingency.

SECTION 3

THE PROJECT

The Project consists of such works of new construction, modernization and/or improvement that require Services to be provided by the Architect described more fully on Exhibit A.

SECTION 4

SERVICES

- 4.1 BASIC SERVICES.** The Basic Services, deliverables and submittals required under this Agreement are described in **Exhibit B**. Terms used in Exhibit B shall have the same meaning as those terms are defined in the Agreement. The Basic Services are divided into Phases, such as planning programming phase, schematic phase, etc. to facilitate the completion of each set of services during specified times established under the Project Schedule.
- 4.2 GENERAL PROVISIONS CONCERNING BASIC SERVICES**
- 4.2.1 Employment of Personnel.** The Architect shall employ, at its own cost and expense, any and all personnel needed to perform the Services. The Architect must identify all personnel that will perform work at any District site and must obtain fingerprinting clearance from the District, as described in Section 14.2.3 below. The Architect agrees to reallocate any personnel whose work is unsatisfactory to the District. The Architect shall at all times be solely responsible for the compensation, benefits, tax deductions, insurance or other requirements of any laws applicable to its personnel.
- 4.2.2 Employment of Architect Consultant(s).** For services not provided directly by the Architect, the Architect shall employ, at its own cost and expense, any and all needed Architect Consultant(s) to perform the services hereunder. Architect Consultant(s) retained by the Architect in the performance of this Agreement shall be licensed to practice in their respective professions where required by law. The Architect Consultant(s) will be required to show evidence of a policy of professional liability and/or project insurance that satisfies the requirements of Section 11.2 hereinafter.
- 4.2.3** The Architect shall remain at all times primarily responsible for the adequate performance of each service and said employment of the Architect Consultant(s) shall not relieve the Architect from administrative or other responsibility under law or this Agreement. Architect shall be responsible for the coordination and cooperation of the Architect Consultant(s). An Architect Consultant(s) may include but are not limited to designers and engineers for the structural, electrical, mechanical, plumbing (including fire sprinklers), landscaping, audio and visual, food service, acoustical, theatrical, and civil portions of the Project. Prior to entering into any consulting agreement and prior to authorizing any consultant(s) to perform any services on the Project, the Architect shall submit a written request for approval to District. The request shall include the names of the Architect Consultant proposed for the Project and shall identify the key personnel of each Architect Consultant's firm. The District shall have the discretion to reject any proposed Architect Consultant and/or personnel. If the proposed Architect Consultant and/or personnel is rejected, the Architect may perform the Services at issue, if qualified to do so, or may propose an alternate acceptable to District.

- 4.2.4 Cooperation with District and Other Consultants.** The Architect and Architect Consultant(s) shall confer and cooperate with District, DSA, the Project Manager, and other District consultants, if any, in all matters and activities as related to this Agreement and the Project.
- 4.2.5 Project Communication.** In all cases, the Architect shall direct Project communication to the District's Program Manager, including any correspondence to the District, the District's consultants, District staff, Construction Manager, Contractors, and/or any members of the public related to the Project.
- 4.2.6 Primavera Contract Management System or CMS.** The Project will be managed through the Primavera Contract Management System project management software from design through closeout. The Architect will utilize the Primavera Contract Management System software as required by the District.
- 4.2.7 Corrections to Construction Documents and Other Deliverables.** The Architect shall revise the Construction Documents as needed to incorporate any and all Change Orders and necessary modifications required due to negligent acts or any errors or omissions by the Architect or the Architect Consultant(s). The Architect shall also provide any modifications to any deliverables required under **Exhibit B** if such modifications become necessary due to any errors or omissions of the Architect or the Architect Consultant(s).
- 4.2.8 Minutes of Progress Meetings.** The Architect will note discussions during progress meetings concerning any Services and will provide a draft copy of the minutes.
- 4.2.9 Independent Reviews; Audits.** Each Project shall at all times be subject to independent reviews conducted by the District or any other person selected by the District, including but not limited to Constructability Review and audits. Such reviews may include inspection of any work, documents or services related to the Project. The Architect shall cooperate with these reviews, including preparing written responses to written or verbal comments, and incorporating changes to the Construction Documents based on such comments. If the Architect does not deem that a comment requires a change, the Architect shall so state in a written response to the comment providing reasons why no change should be implemented. If District nevertheless directs the Architect to implement the requested change, the Architect will do so unless the change would result in a violation of applicable laws or requirements.

The scope of the Architect's obligations during Constructability Review includes, without limitation, written confirmation, in form and content satisfactory to the District, that (a) requirements noted in the Construction Documents are consistent with and conform to District requirements; and (b) there are no errors, omissions or deficiencies in the Construction Documents that a reasonable Architect using skill and diligence standard in the profession would have detected and corrected prior to submission of the Construction Documents.

- 4.2.10 Independent Cost Estimates.** The District shall have the right, but not the obligation to obtain independent cost estimate(s) conducted by an estimator designated by the District and at the expense of the District. The Architect shall be available to answer the estimator's questions regarding the design and attend meetings with the estimator to reconcile the Architect's and any independent estimator's estimate.
- 4.2.11 Inspection of Records; Familiarity with Site and Project.** The Architect shall be solely responsible for researching and analyzing all records of the existing improvements and the proposed Project, identifying all District held record documents concerning each portion of the

Project, conducting site visits and familiarizing itself with the conditions of the structure(s) and location(s) in which it is providing Services. It is required that the Architect will visit each site prior to design completion to validate existing conditions and record plans of existing buildings and site utilities.

- 4.2.12 Construction Delivery Methods: Lease-Leaseback.** The District may at its discretion enter into Lease-Leaseback pre-construction services and construction contracts for the Project. The Architect will work cooperatively with the Lease-Leaseback contractor during the performance of its pre-construction service phase to implement value engineering, BIM and constructability recommendations.
- 4.2.13 Funding Applications and Approvals.** The Architect shall assist the District with any and all funding applications and submittals for any program administered by the State of California or other entities. Architect may be required to prepare, sign and submit applications and documents to various entities such as DSA, OPSC, CDE, and the U.S. Green Building Council. The Architect's duties shall include the preparation and submittal of application(s), plans and specifications, and any supplemental funding applications (such as CHPS, CDE, as well as OPSC and others as may be required). The Architect shall respond timely to review comments and work cooperatively with the District's Funding Consultant to achieve any and all submittal deadlines.
- 4.2.14 District Design Standards.** The Architect shall be responsible for implementing all District Design Standards issued to the Architect by the District into the overall project design. Design standards include but are not limited to equalization standards, furniture, fixture and equipment standards, maintenance standards, data and technology standards, security intrusion and video surveillance standards.
- 4.2.15 Storm Water Prevention and Pollution Plan (SWPPP).** The Architect shall be responsible for all designs and permitting, excluding fees, as it relates to the SWPPP plans and specifications for the Project. Responsibility also includes the preparation of plans, specifications, and any other requirements needed to obtain the required regulatory approvals and permits.
- 4.2.16 Changes.** The Architect shall revise the Construction Documents as needed to incorporate any and all change order requests, potential change orders, supplementary instructions and other necessary modifications. The Architect is responsible for obtaining DSA approval for all changes.
- 4.2.16.1 Changes Required to Meet Construction Budget.** If the lowest responsible bid, the preconstruction estimate as validated by the District, or the GMP exceeds one hundred ten percent (110%) of the Construction Budget, the Architect shall revise the scope and/or design of the Project at no additional expense to the District. The District shall approve or disapprove, in its sole discretion, all proposed changes to the scope and/or design intended to effect cost reduction and no such changes shall be effective until approved by the District.
- 4.2.17 Deliverables.** Unless otherwise agreed to in writing, Architect shall produce the deliverables identified on Exhibits B and C.
- 4.2.17.1 DSA Approval Deliverable.** DSA approval shall be the responsibility of the Architect, including the preservation of DSA Pre-Check (PC) Approval for the Re-Use of Plans including all necessary revisions to accommodate Site Adaption, District Design Standards, Educational

Specifications, Project Budget, Project Schedule, District requested changes, and/or any other requirements to meet code, or other requirements of all agencies having jurisdiction.

4.3 ADDITIONAL SERVICES

4.3.1 Architect Additional Services. Additional Services for any Project will require written request or pre-authorization in writing by the District following specific approval of such services by the District Board of Trustees. It is understood and agreed that the Architect shall not perform any Additional Services unless and until the Architect receives specific written approval for such Additional Services from the District Board of Trustees. If Additional Services result in a modification of the Basic Fee, then the Architect shall be paid for such additional services as part of the payment for the Basic Fee. All other Additional Services shall be paid by the District as provided in Section 5.2, Compensation for Additional Services. It is understood and agreed that if the Architect performs any services which it claims are Additional Services without receiving prior written approval from the District Board of Trustees, the Architect shall not be paid for such claimed Additional Services.

4.3.2 The following services are not Basic Services under this Agreement and are to be considered Additional Services:

4.3.2.1 Revisions and changes requested by the District to be made to drawings, specifications or documents previously approved by the District prior to awarding the construction contract, provided that such changes are not (i) required to make the documents compliant with original design requirements; (ii) revisions that should have been implemented during design; (iii) revisions required under Section 4.2.15.1; or (iv) necessary to comply with applicable laws, rules, or regulations.

4.3.2.2 Services for repairs of damages to the Project resulting from third-party actions or unforeseen conditions or circumstances not the result of negligence or errors or omissions of the Architect or the Architect Consultant(s), including but not limited to repairs necessary due to damage caused by fire, flood or other unforeseen conditions not the result of negligence or errors or omissions of the Architect or the Architect Consultant(s).

4.3.2.3 Additional Services required due to (i) the termination, delinquency or insolvency of the Contractor; or (ii) a default of the Contractor that does not arise directly from the negligence or errors or omissions of the Architect or the Architect Consultant(s).

4.3.2.4 Any of the following if directed by the District in writing: (i) the employment of specialty consultants not listed in the Architect's Basic Services; and (ii) the preparation of special delineations and models of facilities not included in the original Project.

4.3.2.5 Contract administration services performed more than 180 days after the original construction contract completion date, except when such delay is caused in whole or in part by the negligence or errors or omissions or willful misconduct of the Architect or the Architect Consultant(s).

SECTION 5

ARCHITECT'S COMPENSATION & PAYMENT SCHEDULE

5.1 COMPENSATION FOR BASIC SERVICES

5.1.1 **Compensation Description.** The Architect shall perform the Basic Services in exchange for compensation equal to the Basic Fee of:

**One Million One Hundred Thousand Dollars and No Cents
(\$1,125,037.00)**

If the Project is divided into Construction Phases, the Architect shall allocate the Basic Fee over the Construction Phases and the allocation shall be in rough proportion to the Construction Budget for the Project with consideration given to the size and complexity of each Construction Phase. It is agreed that, as long as the Architect performs the Services for the Project or Construction Phase in a timely manner, in compliance with the provisions of this Agreement and to the satisfaction of the District, payments of the Basic Fee for the Project or Construction Phase shall be made by the District, upon approval by the District of deliverables described in Exhibit B & C, and approval of invoices satisfactory to the District, in amounts not to exceed the percentages for each Phase as set forth in the following Table:

Architectural Phases

| | |
|---|------------|
| Project Initiation | 2% |
| Development of Architectural Program | 2% |
| Schematic Design | 9% |
| Design Development | 14% |
| Construction Documents | 43% |
| Bidding/DSA | 5% |
| Construction Administration | 20% |
| Close-Out | 5% |

5.1.1.1 **Invoices.** Invoices may be submitted at the end of each Phase in the Table above, except that the construction administration phase can be billed as progress in proportion to the certified completion of construction, rounded to the nearest whole percent, as determined by the District. All invoices must be submitted in accordance with section 5.5 below.

5.1.1.2 **Close-Out Phase.** The remainder of the Basic Fee shall be paid to Architect upon satisfactory completion of all Services identified as Close Out Phase on **Exhibit B**, provided that payment will be made as follows: (i) two and one-half percent (2.5%) will be paid after the submission by the Architect of the Verified Report (described on **Exhibit B**) to DSA; and (ii) two and one-half percent (2.5%) will be paid after receipt by the District of final DSA certificate and verification that all fees due to the Architect's Consultant(s) providing Services in connection with this Agreement have been paid.

5.2 COMPENSATION FOR ADDITIONAL SERVICES

5.2.1 Fees negotiated for Additional Services pursuant to 4.3.2.1 that result in a change in the scope of the Project or Basic Services shall be processed as an amendment to the Basic Services and Basic Fee, subject to the approval of District's Board of Trustees.

5.2.2 All other fees for Additional Services may be negotiated on a fixed fee or time and materials basis.

5.3 DISPUTED AMOUNTS. In the event of any good faith dispute concerning a particular payment or a portion of a payment under this Agreement, pursuant to Section 3320 of the California Civil Code, the District shall have the right to do either of the following: (i) make such disputed payment to the Architect without prejudice to the District's right to contest the amount so paid; or (ii) withhold up to 150% of the disputed amounts. If the District withholds amounts invoiced by the Architect, the District will notify the Architect in writing of the reasons for the withholding. From and after the date such notice is given, the District and the Architect shall use their good faith efforts to resolve the dispute as quickly as practicable under the circumstances. If the District has given such notice, the Architect shall not be entitled to terminate this Agreement or suspend Services hereunder on account of such nonpayment, provided the District makes payment for all undisputed sums. If the District chooses to withhold payments under clause (ii) of this Section and if it is subsequently determined that the District owes an additional payment to the Architect, the District shall pay such amount to the Architect. If the District chooses to proceed under clause (i) of this Section and it is subsequently determined that the District overpaid the Architect, the Architect shall promptly refund to the District the amount of such overpayment.

5.4 COMPENSATION FOR REIMBURSABLE SERVICES

5.4.1 PRIOR APPROVAL. The District will not be obligated to pay for any Services performed or costs incurred by the Architect without prior written authorization by the District. The following will not be reimbursed under this Agreement:

5.4.1.1 Travel costs associated with delivery of Basic Services not explicitly approved under Section 5.4.2.

5.4.1.2 Reprographics costs associated with delivery of Basic Services not explicitly approved under Section 5.4.2.

5.4.1.3 Consultant fees and expenses not explicitly approved under Section 5.4.2.

5.4.1.4 Any other cost or expense not explicitly approved under Section 5.4.2.

5.4.2 REIMBURSABLE EXPENSES. Claims for reimbursable expenses shall be documented by appropriate invoices and supporting receipts. The Architect may be reimbursed for those reasonable out-of-pocket expenses set forth below that are incurred and paid for by the Architect or the Architect Consultant(s) in furtherance of performance of its obligations under this Agreement, but only to the extent that such expenses are directly related to Services satisfactorily completed, are approved by the District in writing and in total do not exceed two percent (2%) of the Basic Fee. The following is the EXCLUSIVE list of reimbursable expenses:

5.4.2.1 Travel and Mileage. The Architect must request the travel in writing and justify why the travel should be reimbursed. Travel expenses must be approved in writing by District, in its sole discretion. Trips from any Architect's office or Architect Consultant's office to the Project site(s) or to the District's office will not be approved for reimbursement.

5.4.2.2 Reimbursable Reprographic Services. Print sets or copies requested in writing by the District beyond the quantities required under **Exhibit B**.

5.4.2.3 Fees for Consultants. Fees for consultants hired and paid by the Architect at the written request of District that are not provided as Basic Services.

5.5 INVOICES

5.5.1 Invoices for Architect's Basic Services. Following completion of the Services applicable to each Phase, or agreement by the District to consider an interim invoice, the Architect shall submit an invoice in form and substance satisfactory to the District in an amount not to exceed the amount specified as the portion of the Basic Fee to be paid for that Phase for the Services identified in the invoice.

5.5.1.1 Each invoice must be accompanied by an Approval Letter from the District in the form of **Exhibit D**, attached hereto.

5.5.1.2 Each invoice must be accompanied by an Invoice Cover Sheet indicating amounts billed to date, and remaining to be paid in the form of **Exhibit D**, attached hereto.

5.5.1.3 Progress payments shall not be made at any time during the Bidding Phase. If the District withholds any amount following a default, as provided in Section 6 of this Agreement, the Architect shall certify in each subsequent invoice that none of the amounts invoiced represent any portion of the amounts identified for withholding. Withheld amounts shall be paid as specified on the notice from the District informing the Architect that the District elects to exercise its right to withhold payment following an Architect default, if any.

5.5.2 Invoices for Additional Services. Except for Additional Services that are incorporated into the Basic Fee, payments for Additional Services shall be made monthly after approval by the District's Board of Trustees. The Architect's invoice shall be clearly marked "Request for Payment for Additional Services." Each invoice shall be accompanied by receipts and adequate supporting information. As required by Section 3320 of the California Civil Code, payment on a properly submitted, fully supported and documented invoice will be due within thirty (30) days of the date all required supporting information is received by the District.

5.5.3 Invoices for Reimbursable Expenses. Payments for Reimbursable Expenses, if any, shall be made monthly, unless otherwise specified within the reimbursable expense authorization. The Architect's invoice shall be clearly marked "Request for Payment of Reimbursable Expenses." Each invoice shall be accompanied by receipts and adequate supporting information. As required by Section 3320 of the California Civil Code, payment on a properly submitted, fully supported and documented invoice will be due within thirty (30) days of the date all required supporting information is received by the District, unless the District disputes in good faith any portion of the amount claimed by the Architect to be due.

5.5.4 Final Invoice. Upon completion of all Services and delivery of final DSA certification, the Architect shall prepare a final invoice for the remaining amount due, including and separately identifying any amounts withheld by District hereunder. This invoice shall be prominently noted **FINAL INVOICE FOR PROJECT 4 – HARRINGTON RECONSTRUCTION**. The Architect shall provide a final invoice within thirty (30) days of District's notification of receipt of final DSA certification. The District shall pay the final invoice within sixty (60) days of the

District's approval of the final invoice. No deductions shall be made from the Architect's compensation on account of penalty, liquidated damages, or other sums withheld from payments to Contractors, provided the reason for such withholding is not attributable to the fault of the Architect or the Architect Consultants.

- 5.5.5 Combined Invoices.** Invoices for Basic Services, Additional Services and Reimbursable Expenses may be combined on a single invoice provided that the invoice is itemized and follows the instructions above.

SECTION 6

DEFAULT; REMEDIES; SUSPENSION AND TERMINATION

6.1 TERMINATION BY DISTRICT

- 6.1.1 For Cause.** The District may terminate all or any portion of this Agreement or the Services for cause in the event of an Architect Default. With respect to any monetary Architect Default, the termination shall be effective if the Architect fails to cure such default within fifteen (15) calendar days following issuance of written notice thereof by the District. With respect to any non-monetary Architect Default for which no time period for cure is otherwise specified below, the termination shall be effective if the Architect fails to cure such default within thirty (30) calendar days following issuance of written notice thereof by the District, or if the cure by its nature takes longer, fails to commence such cure within thirty (30) calendar days from the date of issuance of the notice and diligently prosecute such cure to the satisfaction of the District. If the District does not terminate, the District will have the right to withhold monies otherwise payable to the Architect until completion of all Services. If the District incurs additional costs, expenses or other damages due to the failure of the Architect to properly perform pursuant to this Agreement, those costs, expenses or other damages shall be deducted from the amount payable to the Architect. If the amount payable to the Architect exceeds the amounts withheld, the balance will be paid to the Architect upon completion of all Services. If the costs, expenses or other damages incurred by the District exceed the amounts withheld, the Architect shall be liable to District for the difference and the Architect shall promptly pay the District such difference. The provisions of this Paragraph 6.1.1 are in addition to, and not a limitation upon, any other rights and remedies of the District under law or in equity and shall survive the termination of this Agreement.
- 6.1.2 For Convenience.** The District may terminate, abandon or suspend performance of this Agreement for convenience and without cause at any time upon thirty (30) days written notice to the Architect, in which case the District will pay the Architect as provided in Section 5 for all Services and authorized Additional Services actually performed, and all authorized Reimbursable Expenses actually incurred and paid, under and in accordance with this Agreement, up to and including the date of termination; provided that such payments shall not exceed the percentage amounts specified as compensation for the Phases of the Services completed, plus any Additional Services and Reimbursable Expenses completed prior to termination, unless the District at its sole discretion determines that demobilization or other compensation is appropriate. After a notice of termination is given, the Architect shall submit to the District a final claim for payment, in the form and with certifications prescribed by the District. Such claim shall be submitted promptly, but in no event later than forty (40) calendar days after the Termination Date specified on the notice of termination.

Such payment shall be the Architect's sole and exclusive compensation and the District shall have no liability to the Architect for any other compensation or damages, including without limitation, anticipated profit, prospective losses, legal fees or costs associated with legal representation or consequential damages, of any kind.

- 6.1.3 Temporary Suspension of Services.** If the Services are suspended in whole or in part by the District for less than one hundred twenty (120) consecutive calendar days, and notice to that effect was provided to the Architect prior to the suspension of the Services, the Architect shall complete any remaining Services in accordance with the terms herein as in existence at the time of suspension and the Architect shall not be entitled to additional compensation. If the Services are suspended, in whole or in part, by the District for one hundred twenty (120) consecutive calendar days or more, the Project Schedule shall be adjusted and the Architect's compensation shall be equitably adjusted to provide for expenses incurred in the resumption of the Services.
- 6.2 ARCHITECT DEFAULT.** The occurrence of one or more of the following events shall constitute an "Architect Default" under this Agreement:
- 6.2.1 Inability to pay Debts and Failure to Pay Architect Consultants.** At any time prior to the expiration or termination of this Agreement, the Architect is unable to pay its debts in the ordinary course of business as they come due, including but not limited to failure to pay, when due, invoices from Architect Consultant(s) providing services in connection with this Agreement.
- 6.2.2 Assignment for the Benefit of Creditors.** An assignment for the benefit of creditors is made by, or any bankruptcy, reorganization (in connection with a debtor relief proceeding), receivership, moratorium or other debtor relief proceedings are commenced by or against the Architect, and the same is not discharged within ninety (90) days of commencement.
- 6.2.3 False or Misleading.** Any representation or warranty made by the Architect in this Agreement or in connection with any Services proves to be false or misleading in any material respect.
- 6.2.4 Failure to Provide Acceptable Design.** The Architect's failure to provide a functional design that can be built within the Construction Budget in accordance with industry standards.
- 6.2.5 Defective Services; Errors or Omissions; Failure to Perform.** The Architect or the Architect Consultant(s) (a) provides defective services, including any deficiencies due to errors or omissions; or (b) fails to deliver Services in a timely manner; or (c) causes any delays for any reason, including providing defective Services; or (d) fails to perform any obligations under this Agreement (including, without limitation, failure to supply sufficient skilled personnel or suitable materials or equipment or failure to adhere to the Project Schedule).
- 6.2.6 Willful Violation.** The District determines that (a) the Architect is willfully violating any conditions or covenants of this Agreement or the Construction Documents; or (b) the Architect is executing Services in bad faith or not in accordance with terms hereof.
- 6.2.7 Failure to Cooperate With DSA.** Failure to comply with DSA requirements or to submit documents at any pre-scheduled times in accordance with the MOU process will constitute an automatic default.
- 6.2.8 Unapproved Assignment.** The Architect attempts to assign this Agreement or any Services hereunder without prior written approval from the District.

- 6.2.9 Disregard of District Authority or Direction.** The Architect disregards the authority of the District or fails or refuses to perform any reasonable act or service requested by the District hereunder.
- 6.2.10 Violation of Applicable Law.** The Architect violates any applicable law, statute or governmental regulation in connection with any Services or this Agreement.
- 6.2.11 Failure To Maintain Errors and Omissions Insurance.** The Architect fails to maintain the insurance required pursuant to Section 11.2. herein.

6.3 DISTRICT REMEDIES

- 6.3.1 General Remedies.** If an Architect Default occurs under this Agreement, the District may exercise any right or remedy it has under this Agreement, or otherwise available at law or equity, and all of the District's rights and remedies shall be cumulative.
- 6.3.2 Withholding Payment.** If an Architect Default occurs, the District's obligation to disburse further funds to the Architect pursuant to this Agreement may be terminated or suspended by the District, in its sole discretion. In connection with any Architect Default, the District may withhold all or a portion of any payments then or thereafter due to the Architect until the Architect cures any and all defaults to the satisfaction of the District.
- 6.3.3 Stop Work.** Upon the occurrence of an Architect Default, the District may, at its sole and absolute discretion, order the Architect in writing to stop work on the Services, or any portion thereof, until the Architect Default has been cured. The Architect shall make best efforts to avoid delays and shall be solely responsible for any additional costs to the Project in connection with such "stop work" order.
- 6.3.4 Errors & Omissions; Additional Costs.** In addition to any other remedy available to the District under this Agreement or under the laws of the State of California, the District may require the Architect to pay all costs incurred by the District to correct any defect and/or deficiency in the design work of the Architect and/or the Architect Consultant(s), including but not limited to re-design costs, additional services costs for other consultants, costs incurred by the District under any contract or to make alternative arrangements due to delays, litigation costs, and any cost related to the necessary removal of and/or replacement of work or materials. The Architect shall provide any Services requested by the District to correct any such errors or omissions but shall not receive any fee for any work or Services performed in correcting said errors or omissions regardless of whether such errors or omissions result in damages to the District or delays to the Project. This remedy applies but is not limited to (i) providing a design that fails to serve its purpose when constructed in accordance with industry standard for the particular Project; or (ii) delays due to Architect's failure to comply with the plan check review process in accordance with the District's MOU with DSA.
- 6.3.5 Self Help.** Upon the occurrence of an Architect Default, the District may, at its sole and absolute discretion, without prejudice to other remedies, correct any deficiencies resulting from the Architect Default. In such case, the District may deduct costs relating to correcting such deficiencies, including, without limitation, compensation for additional services and expenses of a supplemental or replacement architect, design or engineering consultants and other consultants made necessary by such defaults, including services of legal counsel, from payments then or thereafter due to the Architect and may adjust the Basic Fee and any fees for Additional Services

accordingly. If the payments then or thereafter due to the Architect are not sufficient to cover the amount of the deduction, the Architect shall pay the difference to the District.

6.3.6 Payment to Consultant. If the Architect Default is due to the Architect's failure to pay, when due, invoices of an Architect Consultant providing Services in connection with this Agreement, the District shall have the right, but no obligation, to pay the amount invoiced directly to that Architect Consultant from any amounts then due the Architect, provided that the District has accepted the Services to which the invoices refer. The District shall have no further liability to the Architect in connection therewith.

6.4 TERMINATION BY ARCHITECT. The Architect may terminate this Agreement only upon the occurrence of one of the following conditions:

6.4.1 Failure to Pay Undisputed Amounts. The Architect may terminate upon thirty (30) days written notice if the District fails to make any undisputed payment to the Architect when due and such failure remains uncured for forty-five (45) calendar days after written notice to the District.

6.4.2 Long Term Suspension of Project. If the Project on which the Architect is providing Services are suspended or abandoned by the District for more than one hundred twenty (120) consecutive calendar days, the Architect may terminate this Agreement upon ninety (90) calendar days' notice to the District, provided the District does not reactivate the Project within such ninety (90) calendar day period.

6.5 SOLE REMEDY UPON TERMINATION BY ARCHITECT

6.5.1 Payment for Services. In the event of a termination of this Agreement by the Architect in accordance with Section 6.4, the District shall pay the Architect an amount for its Services, Additional Services and Reimbursable Expenses calculated in accordance with Paragraph 6.1.2 of this Agreement. Such payment shall be the Architect's sole and exclusive compensation and the District shall have no further liability or obligation to the Architect for any other compensation or damages, including, without limitation, anticipated profit, prospective losses, business devastation, legal fees or costs associated with legal representation or consequential damages of any kind.

SECTION 7

DUTIES AND LIABILITIES OF DISTRICT

7.1 DUTIES

7.1.1 Program Manager: The Program Manager represents the District in all matters pertaining to the Services. The Program Manager shall cooperate with the Architect in all matters relative to this Agreement in order to permit the performance of the Services without undue delay.

7.1.2 Statement of Building Program. The District shall provide full information as to the requirements for and the education program to be conducted in the Project, including budget limitations and scheduling. The Architect shall have the right to rely upon such information unless the Architect knows or should know that the information is inaccurate or incomplete.

- 7.1.3 Surveys and Tests.** The following resources, surveys, and reports shall be made available to the Architect, as required, at the District's expense. The Architect shall be entitled to rely upon such resources, surveys and reports, unless the Architect knows or should know that the information contained therein is inaccurate or incomplete. The Architect must inform the District in writing if any information therein appears to be incorrect or incomplete based upon the Architect's experience, site visits, or knowledge of the Project and the sites.
- 7.1.3.1 Site Survey.** The District shall furnish a legal description and a land survey of the site, giving as known grades and lines of streets, alleys, pavements and adjoining property, rights-of-way, restrictions, easements, encroachments, zoning, deed restrictions, boundaries and contours of the site.
- 7.1.3.2 Geologic Hazards Investigation Survey.** The District shall have caused to be performed any geological hazards or investigation survey required by State of California authorities having jurisdiction and make copies available to the Architect for distribution as necessary.
- 7.1.3.3 Special Testing and Inspection.** The District shall furnish special testing and inspection services as required by law.
- 7.1.3.4 Checking and Permit Fees.** The District shall pay or cause to be paid all fees required in connection with the Project to government agencies having jurisdiction.
- 7.1.3.5 Advertising.** The District shall pay the cost of any advertisements for bids that may be required.
- 7.1.3.6 District Inspector.** The District shall furnish and provide an Inspector of Record, or Inspectors of Record, as required during the entire course of construction of the Project. Each inspector shall be responsible to and under the direction of the Architect and shall also be responsible to and act in accordance with the policies of the District. The cost of employment of each such Inspector of Record will be borne by District and paid directly to the inspector.
- 7.1.3.7 Hazardous Material Consultant.** Unless the District and the Architect agree that a hazardous materials consultant shall be a consultant of the Architect, the District shall furnish the services of a hazardous material consultant or other consultants only when such services are requested in writing by the Architect and deemed necessary by the District or are requested by the District. These services shall include: asbestos and lead paint survey; abatement documentation; and specifications related to said matters which are to be incorporated into documents prepared by the Architect. If the hazardous materials consultant is furnished by the District and not a consultant of the Architect, the specifications shall include a note to the effect that they are included in the Architect's documents for the District's convenience and have not been prepared by the Architect. The note shall also direct questions about the specifications to its preparer.
- 7.1.4 District Site Visits.** At the discretion of the District, District staff may assist or accompany the Architect in making site visits and observing the work, including the visits described below. Requests for changes or substitutions shall be directed to the District Representative. Orders to the Contractor shall be issued through Architect after approval by the District Representative.

7.1.4.1 Pre-Final Walk-Through. District staff, or any person assigned by the District, may participate in the pre-final walk-through of the Project or any portion thereof and may assist in the preparation of the list of deficiencies required by the Construction Phase portion of the Services, as set forth on **Exhibit B** hereto.

7.1.4.2 Final Site Visit. At the discretion of the District, when notified by the Architect that the construction “punch list” items have been corrected, District staff may accompany the Architect and the Contractor on the final site visits.

7.1.5 Notice of Defects. If the District observes or otherwise becomes aware of any fault or defect in the Project, or nonconformance with the Construction Documents, the District shall verbally or in writing advise the Architect. However, the District’s failure to give such notice shall not eliminate the obligations of the Architect regarding the administration of the construction of the Project or other obligations under the Construction Documents, nor require District to make site visits.

7.1.6 Notice of Completion. When all items are completed to the satisfaction of the District and the Architect, and upon written recommendation of the Architect, District staff shall recommend that the District’s Board of Trustees adopt a Notice of Completion.

7.2 LIMITATION ON LIABILITY OF DISTRICT

7.2.1 Other than as specifically provided elsewhere in this Agreement, the District’s financial obligations under this Agreement shall be limited to the payment of the compensation provided in this Agreement. Notwithstanding any other provision of this Agreement, in no event shall the District be liable, regardless of whether any claim is based on contract or tort, for any special, consequential, indirect or incidental damages, including, but not limited to, lost profits or revenue, arising out of or in connection with this Agreement for the services performed in connection with this Agreement.

7.2.2 The District shall not be responsible for any damage to persons or property as a result of the use, misuse or failure of any equipment used by the Architect, its employees, agents, consultants, invitees or guests even if such equipment has been furnished or loaned to the Architect by the District.

SECTION 8 **PROJECT CONSTRUCTION COST ESTIMATES**

8.1 CONSTRUCTION BUDGET. The Construction Budget may be revised at the conclusion of design or other earlier Phase of the Project at the discretion of the District based on input from the Architect.

8.2 ESTIMATED PROJECT CONSTRUCTION COST. The estimated Construction Cost shall be prepared and updated by the Architect as required in **Exhibit B** during each Phase of the Services and shall be subject to District approval. The estimated Construction Cost during each Phase shall under no circumstances exceed the Construction Budget, including a reasonable allowance built in for estimating design contingency. The Architect shall, at no additional cost to the District, incorporate any and all revisions needed to the preliminary studies, schematic drawings, site utilization plans and Construction Documents if at any time the Architect becomes

aware that the estimated Construction Cost, as recalculated, will exceed the Construction Budget; provided that this limitation shall not apply to unanticipated cost increases beyond the reasonable control of the Architect.

SECTION 9

PROJECT SCHEDULE

9.1 SCHEDULE

9.1.1 Time for Completion. Time is of the essence and failure of the Architect to perform the Services on time shall constitute a material breach of this Agreement. It shall not be a material breach if a delay is beyond the Architect's or Architect Consultant's control as set forth in Section 9.1.4 below. The milestones set forth on the Project Schedule are binding, unless extended in writing by the District Representative.

9.1.2 Delays. Except as otherwise provided in Section 5.2, the Architect shall not be entitled to any compensation additional to the Basic Fee, damages or any losses incurred in connection with delays due to errors, omissions, intentional or negligent acts of the Architect or the Architect Consultant(s) (including their respective employees or those in a direct contractual relationship with either).

9.1.3 Notice of Delay. The Architect shall immediately notify the District of any delay in: (i) the preparation and/or production of any of the Architect's documents hereunder; (ii) the performance of Services; or (iii) connection with any matter attended to by the Architect or with which the Architect is familiar (whether or not as the result of an act or omission of another).

The Architect shall consult and advise the District in connection with any such delay and its effect on the Project Schedule and shall take such action on the District's behalf as the District may request in accordance with the terms and conditions of this Agreement.

9.1.4 Force Majeure. Neither party will be liable to the other for unanticipated delays or failures in performance resulting from causes beyond the reasonable control of that party, including, but not limited to, acts of God, labor disputes or disturbances, material shortages or rationing, riots, acts of war, governmental regulations, communications or utility failures, or casualties; provided that the delayed party: (i) gives the other party prompt written notice of such cause; and (ii) uses its reasonable efforts to correct such failure or delay in its performance. The delayed party's time for performance or cure under this Section will be extended for a period equal to the duration of the cause or sixty (60) days, whichever is less.

SECTION 10

DOCUMENTS OWNERSHIP, LICENSE, COPYRIGHT AND USE

10.1 OWNERSHIP. Pursuant to California Education Code Section 17316 and the requirements of the District, all plans, specifications, original or reproducible transparencies of any drawings and master plans, preliminary sketches, architectural presentation drawings, structural computations, estimates and any other documents prepared pursuant to this Agreement, including, but not limited to, any other works of authorship fixed in any tangible medium of expression such as writings, physical drawings and data magnetically or otherwise recorded in electronic form

(hereinafter referred to as the "Project Documents") shall be and remain the property of the District. Although the official copyright in all Project Documents shall remain with the Architect or Architect Consultant(s), as applicable, the Project Documents shall be the property of the District whether or not the work for which they were made is executed or completed. Within thirty (30) calendar days following completion of the Project, or the earlier termination of this Agreement for any reason, the Architect shall provide to the District copies of all Project Documents then existing. In addition, the Architect shall retain copies of all Project Documents on file for a minimum of ten (10) years following completion of the Project, or the early termination of this Agreement for any reason, and shall make copies available to the District upon the payment of reasonable duplication costs. Before destroying the Project Documents following this retention period, the Architect shall make a reasonable effort to notify the District and provide the District with the opportunity to obtain the documents slotted for destruction.

10.2 REUSE BY DISTRICT. All plans for the Project, including, but not limited to, record drawings, specifications, and estimates prepared pursuant thereto, shall be and remain the property of the District for the purposes of repairs, maintenance, renovations, modernization, or other purposes, only as they relate to the Project. Notwithstanding the foregoing, the District may use the plans, record drawings, specifications, or estimates related to the Project for the purposes of additions, alignments, or other development on the site. The District reserves the right to reuse certain elements, features, details or other project standards in order to incorporate them into other projects within the District.

10.2.1 The plans, designs, copyrights, drawings, studies, specifications, and estimates prepared by the Architect or its Consultants are instruments of service of the Architect. The Architect shall be deemed to be the author of these documents and the Architect shall retain all common law, statutory and other reserved rights, including the copyright thereto. Notwithstanding the foregoing, the documents including, but not limited to, plans, drawings, specifications, record drawings, models, mock-ups, renderings and other documents (including all computer file and/or AutoCAD files) prepared by the Architect or the Architect's Consultant(s) for this Project, shall be and remain the property of the District pursuant to Education Code Section 17316 for the purposes of repair, maintenance, renovation, modernization or other purposes as they related to the Project. The District, however, shall not be precluded from using the Architect's or Architect Consultant's documents enumerated above for the purposes of additions, alignments or other development on the Project site.

10.2.2 Notwithstanding Section 10.2.1 above, if the District proposes to reuse the plans prepared by Architect within the District but other than on the Project site, the terms and conditions for the reuse shall be set forth in an Amendment to this Agreement, or other subsequent writing executed by the District and the Architect. However, under any circumstances, in the event of any reuse or modification of the Architect's drawings, specifications or other documents by any other person, firm or legal entity, the Architect shall be given design credit and the names and seals of the Architect and the Architect's Consultant(s), if any, shall first be removed from the Architect's drawings, specifications or other documents.

If the District reuses the plans prepared by the Architect or Architect Consultant(s) and retains another certified architect or structural engineer for the preparation of those plans for the reuse, the District shall indemnify and hold harmless the Architect and Architect Consultant(s), and their respective agents, and employees, from and against any claims, damages, losses, and expenses, including attorney's fees, arising out of or resulting from, in whole or in part, the reuse.

- 10.2.3** This Agreement creates a non-exclusive and perpetual license for District to copy, use, modify, reuse, or sublicense any and all copyrights, designs, and other intellectual property embodied in plans, specifications, studies, drawings, estimates, and other documents, or any other works of authorship fixed in any tangible medium of expression, including, but not limited to, physical drawings, data magnetically or otherwise recorded on computer disks, or other writings prepared or caused to be prepared by the Architect pursuant to this Agreement. The Architect shall require any and all subcontractors and consultants to agree in writing that the District is granted a non-exclusive and perpetual license for the work of such subcontractors or consultants performed pursuant to this Agreement.
- 10.3 COPYRIGHT.** The Architect represents and warrants that the Architect has the legal right to license any and all copyrights, designs and other intellectual property embodied in the Construction Documents that Architect prepares or causes to be prepared pursuant to this Agreement. The Architect shall indemnify and hold the District harmless pursuant to the indemnification provisions of this Agreement for any breach of this representation and warranty.
- 10.4 TECHNOLOGY USED.** The Architect shall perform the Services and prepare all documents under this Agreement with the assistance of Building Information Modeling (BIM) and Computer Aided Design (CAD) (e.g., AutoCAD) or other technology acceptable to the Architect and the District. As to any drawings that the Architect provides in a CAD file format, the District acknowledges that anomalies and errors may be introduced into data when it is transferred or used in a computer environment, and that the District should rely on the hard or PDF, unalterable, copies of all documents.
- 10.5 DELIVERABLES UPON TERMINATION.** Following the termination of any Services, for any reason, or abandonment of all or a portion of the Project, the District may utilize the Construction Documents as it sees fit, subject to the provisions of Section 10.2 above. The Architect shall deliver to the District, in a form acceptable to the District, one hard-copy and two (2) electronic copies of each set of Construction Documents, complete or incomplete, prepared in connection with the Project by the Architect and the Architect Consultant(s), if any.
- 10.6 NO REPRODUCTION OR USE BY ARCHITECT OR THIRD PARTIES.** After completion of the Project, or earlier termination of the Services, the Architect shall not use the Construction Documents for any purpose without District's prior written consent. In addition, the Architect shall not permit reproductions to be made of any Construction Documents without the approval of the District and shall refer all requests by other persons to the District.

SECTION 11

INDEMNIFICATION AND INSURANCE

11.1 INDEMNIFICATION.

- 11.1.1 INDEMNITY AND LITIGATION COSTS.** To the fullest extent permitted by law and in conformity with California Civil Code Section 2782.8, the Architect agrees that it will indemnify, defend and hold the District, the District's Representative, members of the District's Board of Trustees, directors, officers, employees, agents and authorized volunteers (the "Indemnitees") entirely harmless from all liability arising out of:

- 11.1.1.1 any and all claims under worker's compensation acts and other employee benefit acts with respect to the Architect's employees or Architect Consultant's employees arising out of Architect's work under this Agreement; and
- 11.1.1.2 any claim, loss, injury to or death of persons or damage to property to the extent that it is caused by any negligent or reckless act, error or omission or willful misconduct (other than a professional act or omission) of the Architect, its officers, employees, consultants, subconsultants or agents, including all damages due to loss or theft sustained by any person, firm or corporation including the Indemnitees, arising out of, or in any way connected with the Project, including injury or damage either on or off District property, but not for any loss, injury, death or damage caused by the negligence or willful misconduct of the Indemnitees or of other third parties for which the Architect is not legally liable.
- 11.1.2 To the fullest extent permitted by law, the Architect agrees to indemnify and hold the Indemnitees entirely harmless from all claims that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Architect, its officers, employees, consultants, subconsultants or agents, pursuant to this Agreement.
- 11.1.3 The Architect's obligation to indemnify does not include the obligation to defend actions or proceedings brought against the Indemnitees but rather to reimburse the Indemnitees for attorney's fees and costs incurred by the Indemnitees in defending such actions or proceedings brought against the Indemnitees to the extent such actions or proceedings arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Architect, but not to the extent of loss, injury, death or damage caused by the negligence or willful misconduct of District or of other third parties for which the Architect is not legally liable.
- 11.1.4 Survival of Indemnities. The provisions of this Section shall survive the termination of this Agreement.
- 11.2 **INSURANCE.** Without in any way affecting the indemnity provided in or by Section 11.1, before commencement of any Services, the Architect and each Architect Consultant shall procure and maintain at its own cost and expense for the duration of the Services, and longer as required by the District against claims for injuries to persons or damages to property which may arise from or in connection with the Services, the types and amounts of insurance set forth herein.
- 11.2.1 **Minimum Limits of Insurance.** The Architect and each Architect Consultant shall procure and maintain the types and amounts of coverage as follows:
- 11.2.1.1 Commercial General Liability Insurance with a limit of not less than \$2,000,000 each occurrence for bodily injury, personal injury and property damage/\$4,000,000 annual aggregate.
- 11.2.1.2 Automobile Liability Insurance (Insurance Services Office Form Number CA 0001 covering Automobile Liability, Code 1 (any auto)). Minimum of \$1,000,000 limit each accident.
- 11.2.1.3 Professional Liability (Errors and Omissions) Insurance with a limit not less than \$2,000,000 per claim and \$2,000,000.00 in the annual aggregate.

11.2.1.4 Workers' Compensation Insurance as required by the State of California (Division IV of the California Labor Code, and any amendatory acts or provisions thereto).

11.2.1.5 Employer's Liability Insurance in an amount not less than \$1,000,000 per accident for bodily injury or disease.

11.2.2 Minimum Scope of Insurance.

11.2.2.1 Commercial General Liability insurance shall be written on Insurance Services Office form CG 0001 (or a substitute form providing coverage at least as broad) and shall cover liability arising from bodily injury and property damage (broad form property damage), premises, operations, independent contractors, products-completed operations, personal injury and advertising injury liability (including the tort liability of another assumed in a business contract), contractual liability with respect to this Agreement, explosion, collapse and underground hazards.

11.2.2.2 Automobile Insurance shall cover liability arising out of any automobiles (including owned, hired and non-owned automobiles). Coverage shall be written on Insurance Services Office form CA 0001, or a substitute form providing liability coverage at least as broad. The policy may require deductibles acceptable to the Director of Risk Management of the District, but not self-insured retention without written approval from District.

11.2.2.3 If the Professional Liability Insurance policy is written on a claims made basis, it shall be maintained continuously for a period of no less than four (4) years after Final Completion of the Project to which it applies. The "retro date" must be shown and must be before the date of this Agreement.

11.2.3 Valuable Document Insurance: The Architect shall carry adequate insurance on all drawings and specifications as may be required to protect District in the amount of its full equity in those drawings and specifications, and shall file with District a certificate of that insurance. The cost of that insurance shall be paid by the Architect.

11.2.4 Content and Endorsements: Each policy must contain, or be endorsed to contain, the following provisions:

11.2.4.1 The Commercial General Liability policy shall name District, its Board of Trustees and each member thereof, its officers, employees, agents, and designated volunteers as named additional insureds ("Additional Insureds"). The coverage shall contain no special limitations on the scope of protection afforded to the Additional Insureds. Coverage shall be primary and not contributory with respect to the Additional Insureds. Any insurance or self-insurance maintained by the Additional Insureds shall be in excess of the Architect's insurance and shall not contribute with it.

11.2.4.2 On each policy of insurance, the insurer shall agree to waive all rights of subrogation against District, its Board of Trustees and each member thereof, its officers, employees, agents, and volunteers.

11.2.4.3 Each insurance policy required by this Agreement shall be endorsed to state that coverage shall not be suspended, voided, reduced or canceled except after thirty (30) days prior

written notice has been given to the District by the carrier. In the case of cancellation for non-payment, ten (10) days notice is acceptable. Qualified statements such as carrier "will endeavor" or that "failure to mail such notice shall impose no obligation and liability upon the company" shall not be acceptable.

11.2.4.4 The insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

11.2.5 General Insurance Matters: All insurance coverage required under this Agreement shall:

11.2.5.1 Be issued by insurance companies admitted to do business in the State of California, with a financial rating of at least an A:VII as rated in the most recent edition of Best's Insurance Reports. Architect shall notify District in writing if any of its insurer(s) have an A.M. Best rating of less than A:VII. At the option of District, either 1) District can accept the lower rating; or 2) the Architect or Architect Consultant shall be required to procure insurance from another insurer.

11.2.5.2 Except for professional liability policies, all insurance required by this Section shall contain standard separation of insureds provisions. In addition, such insurance shall not contain any special limitations on the scope of protection afforded to the District, its directors, officials, officers, employees and agents.

11.2.5.3 The Architect or Architect Consultant(s), as applicable, shall promptly notify the District of any materials change in the coverage, scope, or amount of any policy.

11.2.5.4 Except for professional liability policies for which primary coverage is not available, all such insurance shall be primary insurance. Any insurance of the District shall be excess coverage for benefit of the District only and non-contributory.

11.2.5.5 At all times while this Agreement remains in effect, the Architect and the Architect Consultant(s) shall maintain on file with the District valid and up to date certificates of insurance showing that the required insurance coverage is in effect in not less than the required amounts. If not contained on the face of the policy, endorsements signed by a person authorized by the insurer to bind coverage on its behalf, shall be separately provided. Each policy endorsement, copy, or a certificate of the policy executed by the insurance company, and evidence of payment of premiums for each policy shall be deposited with the District within twenty-one (21) days of execution of this Agreement and prior to the commencement of services, and on renewal of the policy, not less than twenty (20) days before the expiration of the term of the policy.

11.2.5.6 If the Architect fails to provide or maintain the required insurance, the District may, at its sole and absolute discretion, obtain such insurance at the Architect's expense and deduct the premium from any fees or reimbursable expenses subsequently invoiced by the Architect.

11.2.5.7 Any deductibles or self-insured retentions in excess of \$100,000 must be declared to the District and must be reduced to a level deemed acceptable by the District in writing. The Architect agrees that, at the option of the District, it will either: (A) arrange for the insurer shall reduce or eliminate such deductibles or self-insured retentions with respect to the District, its directors, officials, officers, employees and agents; or (B) procure a

bond guaranteeing payment of losses and related investigation costs, claims and administrative and defense expenses.

SECTION 12

DISPUTE RESOLUTION

12.1 RESOLUTION OF CLAIMS. Claims shall be resolved by the Parties in accordance with the provisions of this Section 12. All Claims shall be subject to the “**Claims Resolution Process**” set forth in this Section 12, which shall be the exclusive recourse of the Architect and the District for determination and resolution of Claims.

For purpose of this Section 12, a “**Claim**” shall mean, a written demand or assertion by the District or the Architect seeking, as a matter of right, an interpretation of contract, disputed payment of money, recovery of damages or other relief. A Claim does not include the following: (i) penalties or forfeitures prescribed by statute or regulation imposed by a governmental agency; (ii) tort claims for personal injury or death; (iii) false claims liability under California Government Code Section 12650, et seq.; (iv) physical defects in the construction first discovered by the District after final payment by the District to a Contractor; (v) stop notices; or (vi) the right of the District to specific performance or injunctive relief to compel performance.

12.2 RESOLUTION OF OTHER DISPUTES. Disputes between the District and the Architect that do not constitute Claims shall be resolved by way of an action filed in the Superior Court of the State of California, County of Ventura, and shall not be subject to the Claims Resolution Process.

12.3 SUBMISSION OF A CLAIM

12.3.1 By the Architect. The Architect’s right to commence the Claims Resolution Process shall arise upon the District’s written response denying all or part of a Claim or the passage of thirty (30) calendar days after submission of the claim should no denial be issued by the District. The Architect shall submit a written statement of dispute to the District within fourteen (14) calendar days after the District rejects all or a portion of the Architect’s Claim. Failure by the Architect to timely submit its statement of dispute shall result in the decision by the District on the Claim becoming final and binding. The Architect’s statement of dispute shall be signed by a principal of the Architect and shall state with specificity the events or circumstances giving rise to the Claim, the dates of their occurrence and the asserted effect, if any, on the compensation due or time of performance obligations of the Architect under this Agreement (the “**Statement of Dispute**”). Such Statement of Dispute shall include adequate supporting data to substantiate the disputed Claim. Adequate supporting data for a Claim relating to an adjustment of the Architect’s obligations relative to time of performance shall include a detailed, event-by-event description of the impact of each delay on the Architect’s time for performance. Adequate supporting data for a Statement of Dispute involving the Architect’s compensation shall include a detailed cost breakdown and supporting cost data in such form and including such detailed information and other supporting data as required to demonstrate the grounds for, and precise amount of, the Claim.

12.3.2 By the District. The District’s right to commence the Claims Resolution Process shall arise at any time following the District’s actual discovery of the circumstances giving rise to the Claim. Nothing contained herein shall preclude the District from asserting Claims in response to a Claim asserted by the Architect. A Statement of Claim submitted by the District shall state the events or

circumstances giving rise to the Claim, the dates of their occurrence and the damages or other relief claimed by the District as a result of such events.

12.4 CLAIMS RESOLUTION PROCESS. The Parties shall utilize each of the following steps in the Claims Resolution Process in the sequence they appear below. Each Party shall participate fully and in good faith in each step in the Claims Resolution Process, which good faith effort shall be a condition precedent to the right of each Party to proceed to the next step in the Claims Resolution Process.

12.4.1 Direct Negotiations. Designated representatives of the District and the Architect shall meet as soon as possible (but not later than forty-five (45) calendar days after the Statement of Dispute is given) in a good faith effort to negotiate a resolution to the Claim. Each Party shall be represented in such negotiations by an authorized representative with full knowledge of the details of the Claim or defenses being asserted by such Party, and with full authority to resolve such Claim then and there, subject only to the District's right and obligation to obtain Board of Trustees' approval of any agreed settlement or resolution. If the Claim involves the assertion of a right or claim by a Contractor or Architect Consultant against the Architect that is in turn being asserted by the Architect against the District, then such Contractor or Architect Consultant shall also have a representative attend such negotiations, with the same authority and knowledge as just described. Upon completion of the meeting, if the Claim is not resolved, the Parties may either continue the negotiations or either Party may declare negotiations ended. All discussions that occur during such negotiations and all documents prepared solely for the purpose of such negotiations shall be confidential and privileged pursuant to California Evidence Code Sections 1119 and 1152.

12.4.2 Deferral of Agreement Disputes. Following the completion of the negotiations required by the preceding paragraph, all unresolved Claims shall proceed to Mediation as set forth in the succeeding paragraph entitled "Mediation." The Parties hereto may mutually agree to postpone continuing the Claims Dispute Resolution until the earlier of: (i) the completion of the Services hereunder or; (ii) the termination of the Services. In the event Claims are deferred, the Claims shall be consolidated within a reasonable period of time after completion of the Services herein and pursued to resolution through the Claims Dispute Resolution Process. Pending final resolution of any Claim, the Architect shall proceed diligently with the performance of its Services and the District shall continue to make payments for those Services that are not part of the Claim set forth herein in accordance with the terms of this Agreement.

12.4.3 Mediation. If the Claim remains unresolved after direct negotiations pursuant to Paragraph 12.4.1, the Parties agree to submit the Claim to non-binding mediation before a mutually acceptable third party mediator prior to commencement of any lawsuit or court action.

12.4.3.1 Qualifications of Mediator. The Parties shall endeavor to select a mediator who is a retired judge or an attorney with at least five (5) years of experience in public works construction contract law and in mediating public works construction disputes.

12.4.3.2 Submission to Mediation and Selection of Mediator. The Party initiating mediation of a Claim shall provide written notice to the other Party of its decision to mediate. In the event the Parties are unable to agree upon a mediator within ninety (90) calendar days after such written notice is given, then the parties shall submit the matter to the Superior Court of the County of Ventura to select a mediator in accordance with the qualifications herein and the applicable law.

12.4.3.3 Mediation Process. The location of the mediation shall be at the offices of the District, or otherwise mutually agreed. The costs of mediation shall be shared equally among all parties participating. All discussions that occur during the mediation and all document presentations prepared solely for the purpose of the mediation shall be confidential and privileged pursuant to California Evidence Code Sections 1119 and 1152.

12.4.4 Litigation. If the Claim remains unresolved after direct negotiations and mediation, either party may commence an action in the Superior Court of the County of Ventura. The Architect hereby submits to the jurisdiction of said court.

12.5 NON-WAIVER OR RELEASE. Participation in the Claims Resolution Process shall not constitute a waiver, release or compromise of any defense of either party.

SECTION 13
NOTICES

13.1 NOTICES. All notices, demands, or requests to be given under this Agreement shall be given in writing and conclusively shall be deemed received when received in any of the following ways: (i) on the date delivered if delivered personally; (ii) on the date sent if sent by facsimile transmission and confirmation of transmission is received; (iii) on the date it is accepted or rejected if sent by certified mail; and (iv) the date it is received if sent by regular United States mail. All notices, demands or requests shall include the name of this Agreement and be addressed to the parties as follows:

TO DISTRICT:

Caldwell Flores Winters, Inc.,
Program Manager
ATTN: Yuri Calderon, Chief Operating Officer
6425 Christie Ave., Suite 270
Emeryville, CA 94608

With original copy to:

Oxnard School District
ATTN: Jeff Chancer, Superintendent
1051 South A St.
Oxnard, CA 93030

TO ARCHITECT:

SECTION 14
REPRESENTATIONS OF THE ARCHITECT

14.1 REPRESENTATIONS OF THE ARCHITECT. By executing this Agreement, and hereafter each and every time this Agreement is amended, the Architect makes each of the following covenants and representations.

14.1.1 The Architect represents that it is professionally qualified to act as the Architect for the Project, is licensed to practice architecture in the State of California by all public entities having jurisdiction over the Architect and the Project.

14.1.2 The Architect covenants to maintain, at all times Services are performed hereunder, all necessary licenses, permits or other authorizations necessary to act as architect for the Project until the Architect's duties in connection therewith have been fully satisfied.

14.1.3 The Architect represents that it has become familiar with the Project site and the local conditions under which the Project is to be designed, constructed, and operated.

14.1.4 The Architect represents and covenants that it shall prepare, or cause to be prepared, all documents and things required by this Agreement including, but not limited to, all Project plans and specifications in such a manner that they shall be constructable in accordance with the standards of the profession.

14.1.5 The Architect assumes full responsibility to the District for the improper acts and omissions of its employees and any Architect Consultant(s) retained by the Architect in connection with the Project. The Architect covenants that each Project Director and all other Architect employees or Architect Consultant(s) now or in future assigned by the Architect to work on a Project shall have the level of skill, experience and qualifications required to perform the Services assigned to them, and shall also have all licenses, permits or approvals legally required to perform such Services.

14.1.6 The Architect covenants that it shall be responsible for all costs and damages, including those due to any delays, resulting from its failure to prepare adequate documentation or to implement any changes identified as necessary either in connection with the Constructability Review or other review.

14.2 COMPLIANCE WITH LAWS. The Architect covenants that it shall, at all times while providing Services, remain in full compliance with the provisions of all applicable laws, rules and regulations, including without limitation, the provisions of the Education Code regarding design and construction of school facilities, the provisions of the California Labor Code regarding employer's insurance, the provisions of the California Labor Code regarding payment prevailing wages, all non-discriminations laws (including federal and state laws), and any and all other laws rules and regulations applicable to this Agreement, the Architect, the District, the Project or the Services. The Architect shall at all times require the Architect Consultant(s) to fully comply with all such applicable laws, rules and regulations. Without in any way limiting the generality of the foregoing the Architect shall ensure that it and each Architect Consultant comply with the following:

14.2.1 Cost Disclosure - Documents and Written Reports. The Architect shall be responsible for compliance with California Government Code section 7550 if the total cost of the contract is over five thousand dollars (\$5,000).

14.2.2 Disabled Veteran Business Enterprise Participation. Pursuant to Education Code section 17076.11, the District has a participation goal for disabled veteran business enterprises (DVBES)

of at least three (3) percent, per year, of funds expended each year by the District on projects that use funds allocated by the State Allocation Board pursuant to the Leroy F. Greene School Facilities Act. Unless waived in writing by the District, the Architect shall provide proof of DVBE compliance, in accordance with any applicable policies of the District or the State Allocation Board, within thirty (30) days of its execution of this Agreement.

14.2.3 Fingerprinting & Other Operational Requirements of the District. Unless exempted, the Architect shall comply with the requirements of Education Code Section 45125.1 with respect to fingerprinting of employees who may have contact with the District's pupils. The Architect shall also ensure that its consultants on the Project also comply with the requirements of Section 45125.1. The Architect and each Architect Consultant must complete the District's certification form attached hereto as **Exhibit E** and incorporated herein by reference prior to any of the Architect's or Architect Consultant's employees coming into contact with any of the District's pupils. The Architect also agrees to comply, and ensure that all its employees and Architect Consultant(s) comply with all other operational requirements of the District, as may be revised from time to time, including but not limited to any obligations relating to vaccination or testing for infectious diseases.

14.2.4 Name and Trademarks. The Architect shall not use any name, trademark or service mark of the District without first having received the District's written consent to such use.

14.2.5 Conflict of Interest. No member, official or employee of the District shall have any personal interest, direct or indirect, in this Agreement nor shall any such member, official or employee participate in any decision relating to the Agreement which affects his or her personal interests or the interests of any corporation, partnership or association in which he or she is directly or indirectly interested.

14.2.6 Safety. The Architect shall execute and maintain its work so as to avoid injury or damage to any person or property. In carrying out its Services, the Architect shall at all times be in compliance with all applicable local, state and federal laws, rules and regulations, and shall exercise all necessary precautions for the safety of its employees, Architect Consultant(s) and subcontractors appropriate to the nature of the work and the conditions under which the work is to be performed.

14.2.7 Labor Certification. By its signature hereunder, the Architect certifies that it is aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that Code, and agrees to comply with such provisions before commencing the performance of the Services.

14.3 SUPPLEMENTAL CONDITIONS. Any supplemental conditions agreed to by the Parties shall be attached as an exhibit to this Agreement and incorporated herein by reference.

SECTION 15

MISCELLANEOUS PROVISIONS

15.1 SUCCESSORS AND ASSIGNS. Inasmuch as this Agreement is intended to secure the specialized Services of the Architect, the Architect may not assign, transfer, delegate or sublet any interest therein without the prior written consent of the District and any such assignment, transfer, delegation or sublease without the District's prior written consent shall be considered null and void. Likewise, the District may not assign, transfer, delegate or sublet any interest

therein without the prior written consent of the Architect and any such assignment, transfer, delegation or sublease without the Architect's prior written consent shall be considered null and void.

- 15.2 SEVERABILITY.** If any term, covenant, condition or provision of this Agreement is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remainder of the provisions hereof shall remain in full force and effect and shall in no way be affected, impaired or invalidated thereby.
- 15.3 ENTIRE AGREEMENT.** This Agreement including Exhibits hereto, contains the entire understanding of the Parties, and supersedes all other written or oral agreements. The Architect shall be entitled to no other benefits other than those specified herein. No changes, amendments or alternations shall be effective unless in writing and signed by both Parties and approved by the District's Board of Trustees. The Architect specifically acknowledges that in entering into this Agreement, the Architect relied solely upon the provisions contained in this Agreement and no others.
- 15.4 GOVERNING LAW AND VENUE.** This Agreement shall be construed in accordance with, and governed by the laws of the State of California, excluding its choice of law rules. Venue shall be exclusively in Ventura County.
- 15.5 NON-WAIVER.** None of the provisions of this Agreement shall be considered waived by either party unless such waiver is specifically specified in writing. Neither the District's review, approval of, nor payment for, any of the Services required under this Agreement shall be construed to operate as a waiver of any rights under this Agreement, and the Architect shall remain liable to the District in accordance with this Agreement for all damages to the District caused by the Architect's failure to perform any of the Services to the applicable standard of care which shall be, at a minimum, the standard of care of architects performing similar work for California school districts in or around the same geographic area of the District. This provision shall survive the termination of this Agreement.
- 15.6 INDEPENDENT CONTRACTOR.** The Architect is, for all purposes arising out of this Agreement, an independent contractor, and neither the Architect nor its employees shall be deemed an employee of the District for any purpose. It is expressly understood and agreed that the Architect shall in no event be entitled to any benefits to which District employees are entitled, including, but not limited to, overtime, retirement benefits, insurance, vacation, workers' compensation benefits, sick or injury leave or other benefits.
- 15.7 NO ASBESTOS CERTIFICATION.** No asbestos or asbestos-containing materials will be used or substituted in conjunction with the Project. Upon completion of all work under the Project, the Architect will certify to the District that to the best of the Architect's knowledge, no asbestos or asbestos-containing materials were used in the Project.
- 15.8 NON-DISCRIMINATION.** No discrimination shall be made by the Architect in the employment of persons to work under this Agreement because of race, national origin, sex, age, ancestry, religion, physical disability, marital status, sexual orientation, or political affiliation of such person. The Architect shall comply with all applicable regulations and laws governing nondiscrimination in employment, including without limitation the following laws:

(a) California Fair Employment and Housing Act (California Government Code Section 12900 et seq.) which prohibits discrimination in employment on account of race, religious creed, color, national

origin, ancestry, physical disability, mental disability, medical condition, marital status, or sex and prohibits harassment of an employee or applicant because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, sex or age;

(b) Federal Civil Right Act of 1964 (42 U.S. Code Section 2000e, et seq.) which prohibits discrimination in employment on the basis of race, religious creed, color, national origin, or sex;

(c) Title I of the Americans With Disabilities Act of 1990 (42 U.S. Code Section 12101 et seq.) which prohibits discrimination against qualified individuals with a disability in hiring and employment practices;

(d) The Age Discrimination in Employment Act (29 U.S. Code Section 621, et seq., prohibiting age discrimination in employment against individuals who are least forty years of age;

(e) California Labor Code Section 1102.1 which prohibits discrimination in any aspect of employment or opportunity for employment based on actual or perceived sexual orientation.

15.9 NO THIRD PARTY BENEFICIARY. There are no intended third party beneficiaries of any right or obligation assumed by the Parties.

15.10 ASSISTANCE OF COUNSEL. Each party warrants that it has had the opportunity to consult counsel and understands the terms of this Agreement and the consequences of executing it. In addition, each party acknowledges that the drafting of this Agreement was the product of negotiation and that this Agreement shall not be construed against any party as the drafter of the Agreement.

15.11 AUTHORITY TO EXECUTE. The persons executing this Agreement on behalf of their respective Parties represent and warrant that they have the authority to do so under law and from their respective Parties.

15.12 HEADINGS. The headings in this Agreement are inserted only as a matter of convenience and reference and are not meant to define, limit or describe the scope or intent of the Agreement or in any way to affect the terms and provisions set forth herein.

15.13 EXECUTION IN COUNTERPARTS. This Agreement may be executed in any number of counterparts, each of which shall be an original, but all of which together shall constitute one instrument.

NOW, THEREFORE, the parties, through their authorized representatives, have executed this Agreement on the dates indicated under their respective signatures.

Architect

By: 

Title: PM-7NM

Date: 7.1.13

District

By: 

Title: Superintendent

Date: 7-23-13

EXHIBIT "A"

PROJECT

May 24, 2013
Brian Dougherty, Principal
Dougherty & Dougherty
3194D Airport Loop
Costa Mesa, CA 92626-3405

Architect Selection Package for Project 4 – Harrington Elementary School (K-5)

Dear Mr. Dougherty,

As the District's Program Manager for Measure "R" and related capital facilities projects, Caldwell Flores Winters, Inc. ("CFW") has been directed by the Oxnard School District Board of Trustees to proceed with the Facilities Implementation Program. We are pleased to introduce at this time, **Project #4: Harrington Campus Replacement**. This project is herein referred to as "Project 4". All design work on this project will be assigned to a single architectural firm according to the method of selection outlined within this package.

Project 4 Summary

Project 4 includes a new elementary school campus to be designed and constructed on the same site where the existing Harrington Elementary School is currently located. The existing school will remain in operation throughout construction of the new facilities. Once the new school is ready for occupancy and the District confirms that all relocation efforts are complete, the existing structures will be demolished.

A lease-leaseback (LLB) method of delivery may be utilized for the project as determined by the Board. Work will be funded by proceeds from Measure "R" and anticipated reimbursements from State New Construction and Modernization grants. Accordingly, the team selected to work on this project will be required to coordinate activities with the District's State Aid consultant.

The District has already completed an extensive community process, including development of a Facilities Master Plan ("FMP"), community input, and survey research. The community effectively endorsed this process with passage of Measure "R" on November 6th, 2012, and the Board has since completed a series of workshops to establish the specifications and implementation parameters for Project 4.

Detailed Description

Enclosed in this package is a detailed description of Project 4, including components per approved District Educational Specifications required to establish a K-5 grade configuration. The project has been carefully assembled to embrace the Facilities Master Plan ("FMP") commissioned by the Board and the Measure "R" project list approved by voters. Project components reflect required specifications established by the FMP, revised to be comparable to State guidelines, and subsequently approved by

the Board in order to meet capacity goals and program requirements. A site map has been provided to conceptually indicate project parameters.

Master Budget, Timeline, and Schedule

Summaries of the Master Budget, Timeline, and Project Schedule for the Harrington campus are enclosed for reference. The Master Budget has been approved by the Board, and is based on cost estimates performed by professional cost estimators in the FMP process and further verified and revised in the Implementation Program. A Master Timeline for phasing of improvements has been established as has a Master Schedule for the project. These approved documents are subject to review by the Board of Trustees not less than every six months and may be amended.

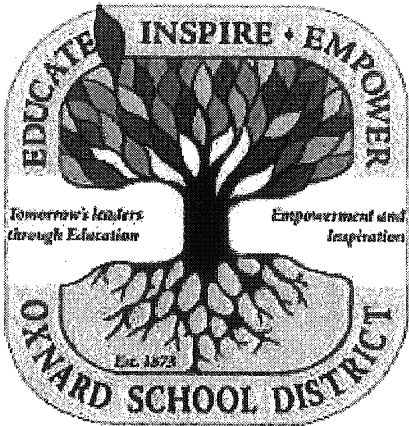
Method of Selection

A process for assigning an architectural firm to a specific project has been created to ensure the best use of design team talent, and is described herein. Specific proposal parameters, requirements, and submittal guidelines are included. The detailed Architect Selection Package should be reviewed and, if interested, responses need to be submitted by Monday, June 10, 2013 @ 4:00pm in .pdf format via email to: Yuri Calderon, Chief Operating Officer, Caldwell Flores Winters, Inc., ycalderon@cfwinc.com

If you have any questions, please direct them to Yuri Calderon, CFW at (510) 596-8170.

Sincerely,

Caldwell Flores Winters, Inc.



Oxnard School District
Architect Selection Package for Project 4
Reconstruction of Harrington School

Prepared by:
Caldwell Flores Winters
6425 Christie Avenue, Suite 270
Emeryville, CA 94608

1901 Victoria Avenue, Suite 106
Oxnard, CA 93035

ARCHITECT SELECTION PACKAGE

I. DETAILED DESCRIPTION: PROJECT 4 - DESIGN & RECONSTRUCT HARRINGTON K-5 SCHOOL

PROJECT REQUIREMENTS

The Harrington school site currently exists on an 8.3 acre site. Project 4 includes the construction of a new school on the existing play fields and the demolition of the existing school. Harrington Elementary School currently serves approximately 558 students in grades K-6. Harrington is planned to be reconfigured to serve up to 700 students in grades K-5, pursuant to State loading standards for new construction. The school was constructed in 1955 and last modernized in 2004. The new Harrington campus will be built on the same campus while the existing campus is occupied.

The new campus will need to house 700 students per State standards in grades K-5 including 23 general purpose classrooms (960 square feet each), 4 kindergarten classrooms (1,120 square feet each), and 1 RSP room (480 square feet). Additionally, the new campus will contain specified support facilities, administration areas, media center, food service, multipurpose room, physical education spaces, and restrooms. Refer to the enclosed Approved Educational Specifications for space requirements. The project scope includes associated demolition and site work.

The total "all in" budget for the site is \$22,822,171 in current dollars, including demolition and site work (soft and construction costs combined, including contingencies). The District is currently engaged in the development and execution of various construction activities which is expected to continue for the next five years. In order to maximize cost efficiency, and minimize required duration for both design and construction phases, the District is requesting a 'Re-Use of Plans' effort for this project which is further described in a later section. Design activities must be completed and the plans submitted to the Division of State Architect (DSA) at the earliest date possible and by no later than December 27, 2013. Funding for construction will utilize a mix of sources that include the State School Facilities Program (SFP). Construction is scheduled to commence on November 2014 and be substantially complete by January, 2016.

METHOD OF DELIVERY

A lease-leaseback (LLB) method of delivery may be utilized for the project as determined by the Board. The contractor will participate in the project early on to provide constructability reviews of proposed designs, cost estimates, preliminary construction schedules, and a site logistics strategy to help create a design that is both inspiring, functional and meets the District's budget and timeline. Design teams should be prepared to describe past experience with the LLB project delivery method, and suggestions for improving the process.

SITE BACKGROUND & COMMUNITY

Established in 1955, Harrington Elementary School is an integral part of the Oxnard community. In addition to educating children, the school has provided family support services, access to community information, early education and after-school mentorship programs, and a variety of other programs for students and the community.

The design team should be thoroughly familiar with the revised K-5 education program, learning objectives, and other qualitative functions and features intended for the future use of the site. Proposed designs should draw attention to the unique qualities and opportunities available to future parents and their children, should they choose the Harrington K-5 education program as their school of choice. Successful designs will clearly demonstrate how 'form follows function' in such a way as to promote effective 21st century learning environments for students.

Furthermore, proposals should integrate design elements, including themes, color schemes, and functions that meaningfully reflect the 'look and feel' of the surrounding neighborhood and overall community within the limitations of the project budget and schedule. Proposals should include the following:

- Description of community-oriented design approaches
- Design features to be accentuated reflective of the neighborhood and the community of Oxnard
- Specific elements/themes/functions that reflect the existing character of the surrounding neighborhood
- Supporting information as to why particular design approaches/elements were selected, and the prospective impact on the community and the student learning experience

It is important for the design team to be mindful of the culture and character of the Harrington community, and awareness of this historical and multi-faceted community impact should be thoughtfully included in the proposed design.

EDUCATIONAL PROGRAM VISION

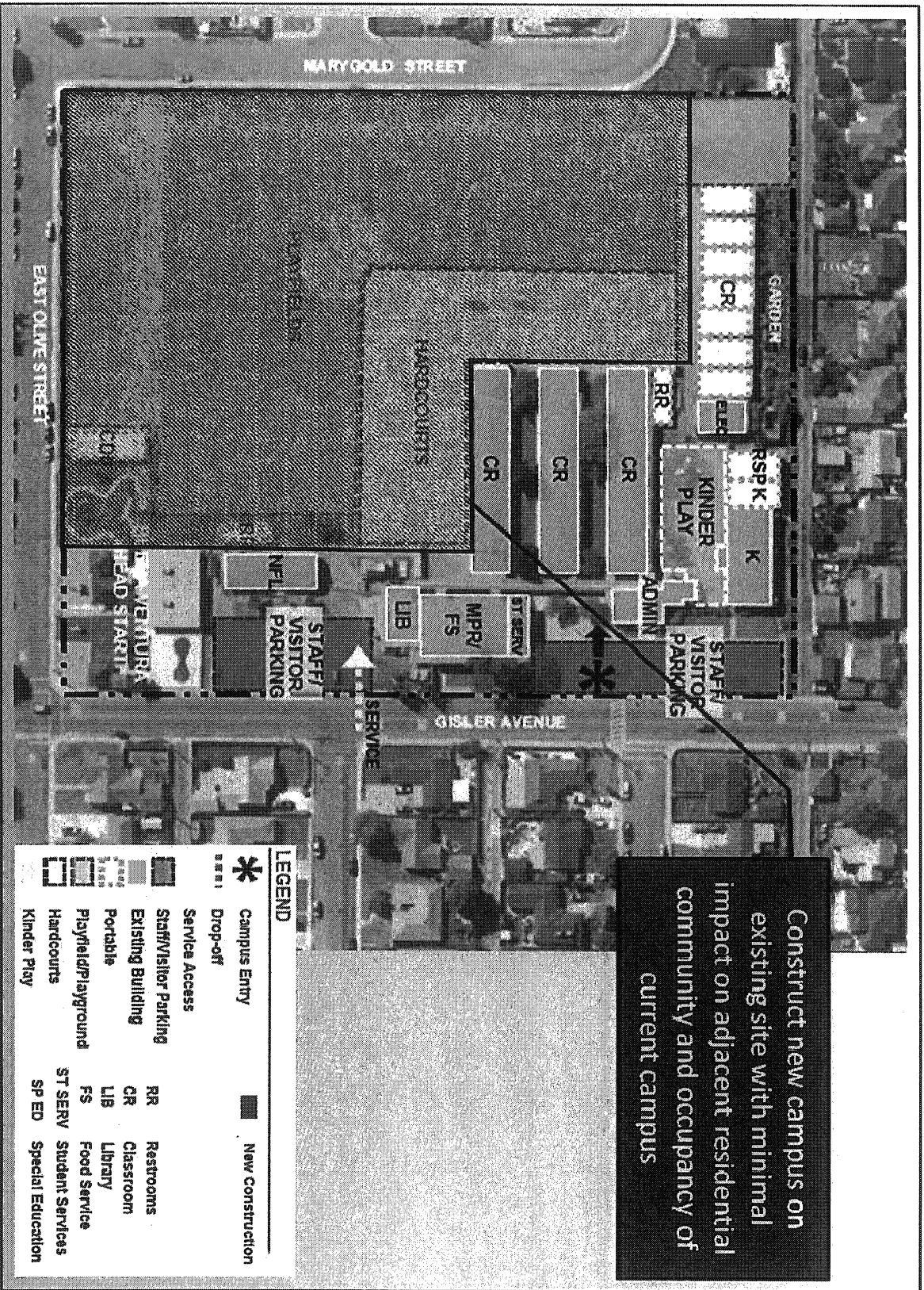
The K-5 Harrington education strand program will provide students with hands-on application of subject matter based on core curriculum requirements. Students will learn from experts and experience authentic content that will strengthen the foundation for their participation in academy programs at the middle school level and beyond. The program will regularly engage students and experts in on-going conversations through various electronic media sources. The District has formed a vision for the form and function of facilities that is intended to guide schematic design. The design team should be mindful of the vision for the form and function of school facilities.

SITE MAP

The diagram that follows is for conceptual purposes only and does not indicate the actual placement of new school facilities. Design teams should work closely with CFW and the District, to identify the best "re-use" of previously approved designs, as well as currently existing facilities, as appropriate, to maximize the value and cost-efficiency of the new campus. Final placement of the proposed site has not yet been determined, so proposals should thoughtfully consider site configurations that are mindful of access requirements, proximity to existing uses and facilities, and promoting the most efficient use and integration of space.

No interim housing beyond existing buildings will be required as the site will continue to operate within existing facilities that will be demolished once facilities are completed as determined by the Board. The existing student population will be relocated to the new K-5 facility upon its completion. The reuse of the existing facilities is being undertaken with District forces, but will be closely coordinated with input from the selected design team by CFW. There is a goal to minimize the cost of additional interim facilities to accommodate the new construction of facilities. The existing site may also be used as interim housing for additional school replacement projects for nearby schools as may be determined by the Board.

Harrington Site Map



Construct new campus on existing site with minimal impact on adjacent residential community and occupancy of current campus

APPROVED EDUCATIONAL SPECIFICATIONS & BUDGET

The specifications below reflect the Board approved Educational Specifications within the Facilities Implementation Plan and should be addressed in the proposed design.

| Harrington Elementary Specifications (K-5 Schools) | | | |
|---|-----------------|--------------|---------------|
| <i>Design & Reconstruct School to K-5 Specifications for 700 students</i> | | | |
| <i>Description</i> | <i>Quantity</i> | <i>Units</i> | <i>Total</i> |
| Classrooms | | | 22,560 |
| Classrooms - Estimate 23 rms @ 960 sf ea. | 22,080 | sf | |
| RSP | 480 | sf | |
| Kindergarten | | | 6,440 |
| Kinder Classroom 4 @ 1,120sf | 4,480 | sf | |
| Workroom/Storage | 400 | sf | |
| Toilets 4 @ 65 sq. ft. | 260 | sf | |
| Equipment Storage | 100 | sf | |
| Kinder Shade Structure | 1,200 | sf | |
| Administration | | | 4,515 |
| Lobby/Public Waiting | 300 | sf | |
| Reception/Clerical | 150 | sf | |
| Principal's Office | 200 | sf | |
| Administrative Assistant | 75 | sf | |
| Conference Room | 250 | sf | |
| Work/Main Copy Room | 250 | sf | |
| Health Office | 100 | sf | |
| Nurse/Health Clerk | 75 | sf | |
| Toilet | 65 | sf | |
| Staff Workroom/Lounge | 600 | sf | |
| Kitchenette/Vending | 150 | sf | |
| Staff Toilets | 390 | sf | |
| Parent/Conf. - Multi Purpose/Workroom | 300 | sf | |
| Parent/Conf. - Storage Room | 100 | sf | |
| Flex Office | 150 | sf | |
| Speech Office | 250 | sf | |
| Psychologist Office | 150 | sf | |
| SDC | 960 | sf | |

| <i>Description</i> | <i>Quantity</i> | <i>Units</i> | <i>Total</i> |
|--------------------------------|-----------------|--------------|---------------------|
| Media Center | | | 2,700 |
| Control Desk | 100 | sf | |
| Work/Processing Room | 200 | sf | |
| Storage Room | 100 | sf | |
| Reading Room | 900 | sf | |
| Story Telling | 400 | sf | |
| Stacks | 400 | sf | |
| Surplus Texbook Storage | 200 | sf | |
| Small Breakout Room | 250 | sf | |
| Tech Work/Storage Room/MDF | 150 | sf | |
| Multi-Purpose Room | | | 5,375 |
| Multi-Purpose Room | 3,500 | sf | |
| Chair Table Storage | 200 | sf | |
| Control Room | 75 | sf | |
| Music Platform | 1,400 | sf | |
| Instrument Storage | 200 | sf | |
| Food Service | | | 3,600 |
| Serving/Prep Kitchen | 350 | sf | |
| Walk-in Refg/Freezer | 75 | sf | |
| Dry Storage | 75 | sf | |
| Locker Alcove | 50 | sf | |
| Office/Work Station | 75 | sf | |
| Toilet/Changing | 75 | sf | |
| Lunch Shelter | 2,800 | sf | |
| Custodial Services | 100 | sf | |
| Restrooms | 2,200 | sf | 2,200 |
| Total Building Quantity | | sf | 47,390 |
| Sitework | | | 265,001 |
| Parking Lot/Circulation | 70,000 | sf | |
| Walkways on Campus | 10,000 | sf | |
| Utilities | 1 | ls | |
| Play Courts | 40,000 | sf | |
| Play Fields (3 acres) | 130,000 | sf | |
| Landscaping | 15,000 | sf | |
| <i>Total Hard Costs</i> | | | \$14,523,200 |
| <i>Total Soft Costs</i> | | | \$6,224,229 |
| <i>Total Contingency</i> | | | \$2,074,743 |
| TOTAL BUDGET | | | \$22,822,171 |

II. MASTER BUDGET, TIMELINE, & SCHEDULE

SUMMARY BUDGET:

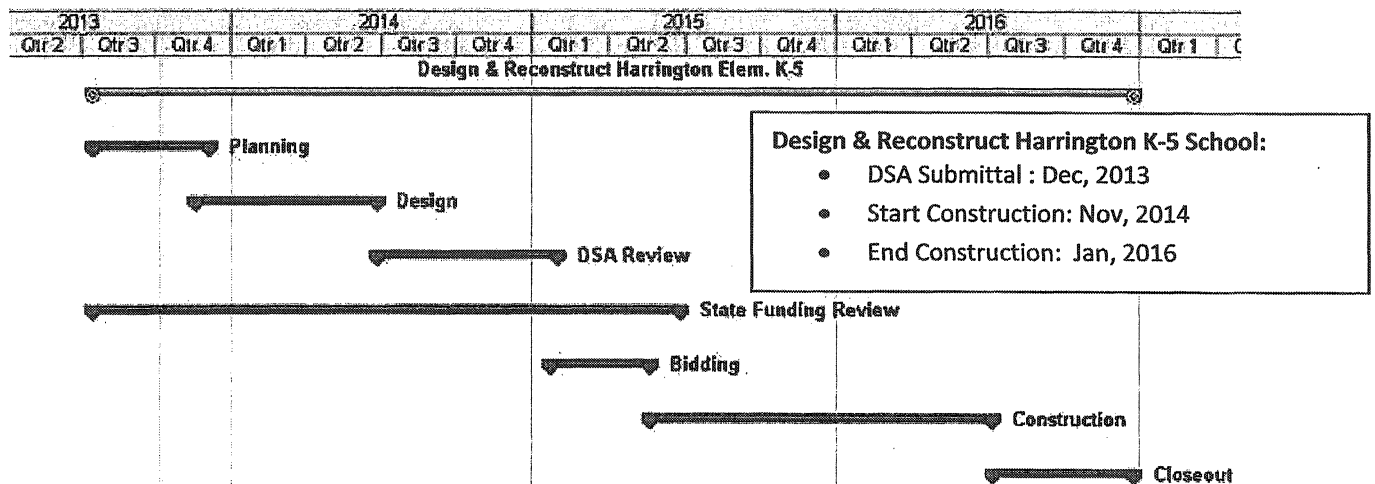
The budget below is all inclusive of both construction costs, and soft costs to implement the project including design fees, contractor's fee, consulting services, testing & inspection services, agency approval fees, etc.

Harrington Elementary School K-5

| Project | Year | Budget |
|---|------|---------------------|
| Design & Reconstruct Harrington Elem. K-5 | | 2013/14 |
| Demolition | | \$858,000 |
| Sitework | | \$5,272,143 |
| Classrooms | | \$8,153,829 |
| Kindergarten | | \$2,035,314 |
| Administration | | \$1,631,850 |
| Media Center | | \$975,857 |
| Multi-Purpose Room | | \$2,111,607 |
| Food Service | | \$832,857 |
| Restrooms | | <u>\$950,714</u> |
| | | \$22,822,171 |
| Est. Total | | \$22,822,171 |

SUMMARY TIMELINE & SCHEDULE:

The construction schedule and academic schedule may require that both new and old portions of the campus be in operation simultaneously. Confirming that existing site utilities have adequate capacity for this simultaneous use will be a critical component of achieving a successful project. Design teams are encouraged to engage Civil Engineering consultants early on in the process in this regard. The schedule chart below is based on the District's fiscal year calendar, in which Q1 of FY2014 effectively begins July 1, 2013, and Q4 of FY2014 effectively ends June 30, 2014.



III. METHOD OF SELECTION

BACKGROUND:

In 2012, Oxnard School District issued a Request for Qualifications for architectural services for the Measure R construction projects. In October of 2012, three firms were selected and approved by the District's Board of Trustees. All three firms have been prequalified. Each construction project that is funded by Measure R will be assigned an architect from the pool.

RE-USE OF PLANS:

In order to maximize cost efficiency, and minimize required duration for both design and construction phases, the District is requesting a 'Re-Use of Plans' effort for this project. The proposing architectural firms should carefully review the content of this selection package, specifically the approved Educational Specifications and Project Budgets enclosed, and select at least (2) best-fit options for re-use of plans that have been previously approved by DSA, successfully constructed within the last 5 years, and have detailed construction cost documentation available. Minimizing re-design efforts required for code compliance, and other regulatory requirements is a critical aspect of this effort, so projects that have been designed & constructed under current building codes should be prioritized where possible.

Architectural firms may select specific components from a variety of approved projects, however such proposals must include a general design showing how the various elements connect to create a cohesive campus concept for the Harrington site. In all cases, design teams should carefully review requests for information (RFI's), submittals, agency review comments, and any other issues that created delays or added cost to the original project, to ensure that the appropriate solutions are pro-actively incorporated into the new Harrington elementary school design. The proposals should include a brief "lessons learned" narrative from the construction issues that arose when the design was previously built.

ASSIGNMENT PROCESS:

Each prequalified firm can elect, or decline, to participate in the assignment process for Project 4. Any decision will not affect future opportunities. Firms should carefully review the detailed information and submittal requirements contained within this package. Teams that wish to visit the project site to make further observations should contact Yuri Calderon, Chief Operating Officer, at (510) 596-8170 to request a site visit. CFW will organize a single tour of the Harrington site for all interested teams. Please do not visit any school site without coordinating with CFW.

Once the proposal deadline has passed, CFW will begin arranging interviews with all participating firms. All participating firms will be interviewed. The design firms should include staff assigned to the project in the interview process. The interview results will be considered along with the proposed "re-use" design, estimated fee amounts, estimated cost of construction, quality of staff, level of understanding of the project parameters, and creativity of the proposed approach to meet educational specifications without sacrificing the quality of the finished product. Site visits to referenced projects may be conducted. Design teams must coordinate in advance a potential site visit at each proposed site with the site staff and district facilities as required to ensure that all sites are on stand-by for a site visit during the times allotted in the schedule below, should the District choose to visit the site(s).

SCHEDULE

The following is a projection of tentative milestone dates for selection:

- Project 4 selection package sent to prequalified firms: May 24
- Participating teams notify CFW of their intent to provide a proposal: May 31
- Participating teams submit final proposals: June 10, no later than 4:00pm
- Project Review Committee to interview each design team, including attendance at Architect designated site tours of completed campuses proposed for “re-use”: June 12 - 13
- Conduct site visits: June 18 - 20
- Final selection to be announced to winning firm: June 21
- Board action on recommended firm and execution of contract: June 26 (Regular Board meeting)

SUBMITTAL FORMAT & REQUIREMENTS

Proposals should be formatted to effectively address the following issues in as much detail as necessary to fulfill each request. Each proposal should have a cover letter briefly discussing the proposed “re-use” project, and the firm’s unique qualifications to pursue the Harrington project. In addition, the proposal should include, but not be limited to the following items:

1. Brief summary of similar projects completed by your firm within the last five years that closely match the proposed Project 4 program as referenced in the Project Description.
2. Detailed summary of 2-3 proposed “re-use” projects, indicating whether an entire project, or a combination of several projects are best-suited to be “re-used” for Project 4. Project summaries should include:
 - a. Detailed construction cost & schedule information relating to each of the projects identified in item 2 above. See attachment A –Cost Comparison Sheet
 - b. Narrative of “lessons learned” from each of the proposed projects identified in item 2 above. Narrative should include commentary of RFIs, agency comments, inspection requirements, or other challenges that had to be overcome to produce a successful project.
 - c. Design firms must schedule a site visit with program manager and District to review completed site(s) as identified in item 2 above.
 - d. Design firms should be prepared to present & review complete DSA approved plan sets for projects identified in item #2 above.
 - e. Discuss the complexities of “re-use” and how your firm intends to integrate lessons learned from the original construction to enhance the quality of the proposed design.

3. Discuss the challenges of designing a new campus on an existing site, with construction creating a minimal impact on the existing operational school facilities
4. Discuss ways in which the “re-use” strategy can help to meet or accelerate the proposed timelines of the proposed project.
5. Discuss the firms experience with the District’s preferred delivery method of using a Lease-leaseback contractor, in comparison with other delivery methods within the firm’s experience.
6. Discuss the role of the assigned personnel, the benefits they bring to the project, and their assigned level of participation on the project. Please be specific.
7. Provide brief summary of community oriented design approach, and proposed strategies to reflect the unique character and culture of the surrounding community in the creative design process. Photos and commentary from design team neighborhood visits are encouraged.

Limit response to no more than 10 double-sided 8 ½ x 11 pages, and (12) 11 x 17 drawings to illustrate the “re-use” proposals for Project 4 (maximum of 4 pages of drawings per proposed “re-use” project site). Firms are requested to submit their response within a single file in PDF format via email (use of YouSendIt, DropBox or similar service for large file transmittal is acceptable) to Yuri Calderon at ycalderon@cfwinc.com by no later than 4:00pm PDT, Monday, June 10, 2013.

The Project is Amended As Follows:

Background

The proposed "re-use" design contains components within buildings which have been acknowledged by Dougherty + Dougherty Architects, LLP ("D+D") to be in excess of the educational specifications clearly communicated in the original selection package. It is the mutual understanding of the District and D+D that all re-design requirements to bring the proposed re-use project into compliance with the approved educational specifications, all site adaption requirements, and all costs associated with phasing required to construct the project while coordinating with the existing school site, are the sole responsibility of D+D and all related design services required to accomplish this scope of work are hereby included in the Basic Services Fee established by this Agreement.

Summary of Amendment

Pursuant to this mutual understanding, the Project is hereby amended as follows:

1. **Administration Building** – The administration building has been revised to eliminate the sharp angle at the front of building.
2. **Classroom Building** – The classroom building has been revised to replace two (2) larger science lab classrooms with specified 960sf classrooms, and the large ADA ramp area.
3. **Site Adaption, District Requests, and District Standards** – Proposed re-use project shall be revised as necessary to accommodate all necessary site adaption changes, including site utility coordination, site circulation and access, coordination with existing conditions including phasing and interim housing planning and design, and other necessary revisions to achieve an DSA approved design acceptable to the District. In addition to site adaption, Architect shall meet all the current and pending District Standards and District requested changes shall be accommodated through completion of Schematic Design Phase at no additional cost to the District.
4. **Architectural Theme** – Proposed re-use project shall be revised to ensure that all proposed buildings reflect a consistent and cohesive architectural theme including colors, textures, fenestration, and facades consistent with the character of the Harrington community. The Architect shall submit proposed architectural theme including complete exterior elevations as part of the Schematic Design Submittal, which requires District approval of the architectural theme prior to commencement of Design Development Phase.

Amended Budget

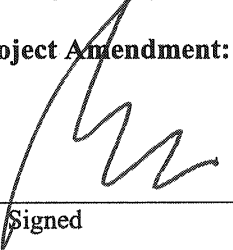
As mutually agreed to by District and D+D, the Project amendment as described above shall be constructed within the original approved Project Budget of \$22,822,171.00, with original Construction Budget of \$14,523,200.00.

Acceptance of Project Amendment:

Accepted by D+D

Signed

Date

 7.1.13

Accepted by District

Signed

Date

 7/22/13

EXHIBIT "B"

BASIC SERVICES AND DESCRIPTION OF SUBMITTALS

A. GENERAL REQUIREMENTS

In addition to any other requirements set forth in this Agreement, the Architect shall comply with all of the following requirements during, unless specified otherwise, all phases of the Services:

- (1) Determine which governmental agencies have jurisdiction over the Project or any portion thereof and document same in writing to the District; coordinate with and implement the requirements of such agencies, e.g., California Department of Education ("CDE"), Office of Public School Construction (OPSC), Division of the State Architect (DSA), State Fire Marshal, *et cetera*.
- (2) Review subsoil data, chemical, mechanical and other data logs of borings, etc., furnished to Architect pursuant to this Agreement and advise the District whether such data are sufficient for purposes of design, or whether additional data are necessary.
- (3) Utilize District provided title report for Project site to determine scope and extent of any easements or other site limitations.
- (4) Be responsible for the coordination of the design and the layout of the technology backbone system with the District's technology consultant. The coordination effort shall include location and routing of raceways, conduits, and outlets and required spaces to accommodate electrical, data and communication wiring.
- (5) Provide services required to obtain local agencies approval for off-site work including review by governmental agencies having jurisdiction over the Project.
- (6) Develop a grading and drainage plan and a site plan from architectural information showing a final development of the site, this drawing will also include a horizontal and vertical control plan and a utility infrastructure plan. The services described in this Subparagraph shall be provided by a professional civil engineer who is to subcontract with the Architect.
- (7) Architect to document the location of existing utility lines, telephone, water and sewage, etc., within the limits of all on-site and off-site work. This information shall be provided by the District. Architect shall verify the capacity of all existing project utilities.
- (8) Chair, conduct and take minutes of coordination meetings, held as reasonably necessary during each design phase with its consultants. Invite the District and the District's consultants to participate in these meetings. Keep a separate log to document design/coordination comments generated in these meetings. The form of Comment Tracking Document to be used by Architect should be coordinated with the Contractor.

- (9) Maintain a log of all meetings, site visits or discussions held in conjunction with the work of this Project (with documentation of major discussion points, observations, decisions, questions or comments) and furnish to the District for inclusion in the overall Project documentation.
- (10) Utilize the standardized filing system as currently utilized by Architect.
- (11) Provide interior design and other similar services required for or in connection with color coordination including furnishing, including the provision of a standard color board to assist in consultation with the District regarding such color coordination. Coordinate the placement of furniture, and equipment layout and consult with District to ensure proper placement of required furniture and equipment. The District shall procure furnishing and moveable equipment.
- (12) Prepare necessary documents for and oversee the processing of District's application for and obtaining of required approvals from the DSA, the CDE, the State Fire Marshall and all other agencies exercising jurisdiction over the Project. Prepare and submit any required applications, notices or certificates to public agencies as required by law. Provide copies of all such documents to the District.
- (13) Prepare all documentation performed pursuant to this Agreement with the assistance of technology that is currently utilized by Architect. Deliver to the District, on request, the tape and/or his disc format and the name of the supplier of the software/hardware necessary to use the design file. Architect and District shall each sign a "hard" copy of reproducible documents that depict this information at the time provided to the District.

B. ESTIMATES AND COSTS GENERALLY

In addition to any other requirements set forth in this Agreement, the Architect shall comply with all of the following requirements during, unless specified otherwise, all phases of the Services:

- (1) The Architect shall review Construction Cost and Project Budget estimates at each phase of the Services. If such estimates are in excess of the Construction Budget and Project Budget, the Architect, in consultation with the District and without additional cost to the District, shall revise the type, quantity or quality of construction to come within the budgeted limits. The District, in its sole discretion, may, but in no event shall be required to, increase the Construction Budget for the Project.
- (2) The Architect shall at all times include in each estimate of Construction Cost a contingency for Change Orders, in such amount as agreed by the District.
- (3) The Architect shall at all times notify the District if adjustments to previous estimates of the Construction Cost will be necessary due to market fluctuations or approved changes in scope or requirements.

- (4) The Architect shall ensure that all plans, specifications, studies, drawings, estimates or other documents relating to the Project are constructable and otherwise comply with provisions of this Agreement, law and District standards and policies, regardless of any revisions necessary to keep construction costs within the Construction Budget.

C. PROJECT INITIATION PHASE

Within ten days after receipt from the District of the notice to proceed with the Services, the Architect shall complete all of the following:

- (1) Meet with the District and its representatives to prepare a detailed task analysis and work plan for documentation in a computer generated project schedule. The District will produce the final scheduling format based on data furnished by Architect.

This task analysis and work plan will identify specific tasks including, but not limited to: interviews, data collection, required District filing standards, analysis, report preparation, planning, Architectural programming, concepts and schematic design preparation and estimating that are part of the work of the Project. Also identified will be milestone activities or dates, specific task responsibilities, required times for completion and additional definition of deliverables.

- (2) Review the developed work plan with the District and its representatives to familiarize them with the proposed tasks and schedule and develop necessary modifications.
- (3) Participate in a general Project kick-off meeting to include the Architect's Consultants, and District staff.
 - (i) The Project kick-off meeting will introduce key team members from the District and the Architect to each other defining roles and responsibilities relative to the Project.
 - (ii) Identify and review pertinent information and/or documentation necessary from the District for the completion of the Project.
 - (iii) Review and explain the overall Project goals, general approach, tasks, work plan and procedures and deliverable products of the Project.
 - (iv) Review and explain the task analysis and Project work plan for all parties present; determine any adjustments or fine tuning that needs to be made to the work plan.
 - (v) Review documentation of the project kick-off meeting prepared by the District and/or its representatives and comment prior to distribution.

D. DEVELOPMENT OF ARCHITECTURAL PROGRAM

Upon receipt from the District of the notice to proceed with the Services, the Architect shall perform pre-design investigations to establish appropriate guidelines around which and within which the Project is to be designed; identify design issues relating to functional need, directives and constraints imposed by applicable law and regulatory requirements; and complete design checklist as provided by the District; and take all other necessary actions in accordance with the following:

- (1) Coordinate with the District's Educational Specifications to identify critical issues affecting Project completion and certification; significant site considerations; applicable planning and zoning requirements; applicable code requirements; applicable fire and life safety requirements; sanitary and storm sewer service requirements; electrical power service and requirements; heating, ventilating and air conditioning requirements; natural gas availability and requirements; domestic and fire water service requirements; and incorporation of mitigation measures, if any, from the final environmental impact report and/or mitigation negative declaration adopted by the District for the Project. With respect to environmental mitigation measures, the District shall cooperate with Architect to ensure that Architect has access to those mitigation measures adopted by the District for the Project.
- (2) Hold initial community information/PTA meeting at a location designated by the District, if requested by the District.
- (3) Conduct architectural program meeting with the District selected Project participants.
- (4) The Architect shall review with the District alternative approaches to the design and construction of the Project, and shall include alternatives that may reduce the cost of the Project or increase the efficiency and/or functionality of the Project.
- (5) Develop an estimate of probable Construction Cost for the Project and reconcile the estimate with the Construction Manager and the Contractor; estimates are to be based on the developed functional Architectural programs as approved by the District.
- (6) Estimates prepared by Architect:
 - (i) All costs are to be based on current bid prices, with escalation rate and duration clearly identified as a separate line item; rate of cost escalation and projected bid and construction dates are to be as approved by the District and the Program Manager.
 - (ii) Contingencies for design, bidding or construction, if included in the estimate, are to be included as individual line items, with the percentage and base of calculation clearly identified.
 - (iii) All Construction Cost estimates developed per the above should additionally be presented in a building systems format (e.g., foundations, substructure, structural system, exterior wall enclosure, window systems, etc.) for new buildings, and summarized by the Construction Specification Institute (CSI) category for buildings being modernized.

- (iv) One week prior to submittal of documents, Architect's proposed cost format must be submitted to the District for review and approval.
- (v) Architect shall submit a unit cost breakdown for three types of new building cost models ranging from a low end per square foot cost for the District's consideration, to high end per square foot cost. The unit cost shall not include the site work, the Contractor's overhead and profit, and general conditions (Include separate columns for additional upgrades / condition assessment scope and possible condition assessment reduction credits). In addition, Architect shall provide a cost estimate for a permanent modular if appropriate/applicable.
- (vi) Mechanical, electrical, civil, landscaping and estimating Architect's Consultants shall participate in the progress meeting as appropriate and shall provide input and feedback into the development of the cost estimate.

E. SCHEMATIC DESIGN PHASE

Upon written authorization from the District to proceed with the Schematic Design Phase, the Architect shall prepare for the District's review a Schematic Design Study and take other necessary actions in accordance with the following:

- (1) Architectural:
 - (i) Scaled floor plans showing overall dimensions, identifying the various major areas and their relationship.

Include all net usable floor areas and a summary of gross floor area. Also, provide typical layouts of major equipment or operational layout.
 - (ii) Preliminary building exterior elevations and sections in sufficient detail to demonstrate design concept indicating location and size of fenestration.
 - (iii) Identify proposed roof system, deck, insulation system and drainage technique.
 - (iv) Site plan with building located and minimum one (1) foot contour grade intervals. All major site development, such as paving, utilities and outside facilities shall be shown, including property lines, adjacent existing structures, walls and fences fifty (50) feet beyond the property line. The District shall provide a site survey to Architect for purposes of completing the task outlined within this paragraph.
- (2) Civil:
 - (i) Development of on and off site utility systems such as sewer, water, storm drain, firewater lines and fire hydrants.

(ii) Identify surface improvements including roadways, parking (with assumed wheel weights) preliminary finish grades and drainage.

(iii) Coordinate finish floor elevations with architectural site plan.

(3) Landscaping:

Development and coordination of landscape design concepts entailing analysis of existing conditions, proposed components and how the occupants will use the facility. Include location and description of planting, ground improvements and visual barriers.

(4) Specifications:

Outline specifications of proposed architectural, structural, mechanical and electrical materials, system and equipment and their criteria and quality standards. Architect is to use District's standardized equipment/material list for new construction and modernization in development of the Project design and specifications.

(5) Estimates:

(i) Schematic Estimates: This estimate consists of unit cost applied to the major items and quantities of work. The unit cost shall reflect the complete direct current cost of work. Complete cost meaning labor, material, waste allowance, sales tax and Contractor's and subcontractor's mark-up.

General conditions shall be applied separately. This estimate shall be prepared by specification section and summarized by the Construction Specification Institute (CSI) category.

(ii) The estimate shall separate the Project's building cost from site and utilities cost. Architect shall submit to the District the cost estimating format for prior review and approval.

(iii) Escalation: all estimates shall be priced out at current market conditions. The estimates shall incorporate all adjustments as appropriate, relating to mid-point construction, contingency, and cost index (i.e. Lee Saylor Index).

(6) Meetings:

(i) The District and the Architect will meet to address specific design issues and to facilitate the decision making process. Such meetings shall be held in the boundaries of the District. Documented decisions made at such meetings and subsequently approved by the District shall be binding. Any revisions or reconsideration of such decisions shall constitute a change in the scope of services of the Architects.

(ii) During the Schematic Design Phase it is anticipated that the Architect will attend 2-3 design meetings; Structural, Electrical, Mechanical and Plumbing Engineer, and Civil and Landscape engineers will attend design meeting.

(7) Presentation:

Architect shall present and review with the District the detailed Schematic Design.

The schematic design studies shall be revised within the program parameters until a final concept has been accepted and approved by the District at no additional cost to the District.

F. DESIGN DEVELOPMENT PHASE

Upon written authorization by the District to proceed with the Design Development Phase, Architect shall prepare Design Development Phase documents based on Schematic Design Phase documents approved by the District and take other necessary actions in accordance with the following:

(1) Architectural:

- (i) Scaled, dimensioned floor plans with final room locations including all openings.
- (ii) 1/8" scale building sections showing dimensional relationships, materials and component relationships.
- (iii) Identification and coordination of all furniture, fixtures, and equipment required for a complete Project.
- (iv) Site plan completely drawn with beginning notes and dimensions including grading and paving.
- (v) Preliminary development of details and large scale blow-ups.
- (vi) Legend showing all symbols used on drawings.
- (vii) Floor plans identifying all fixed and major movable equipment and furniture.
- (viii) Outline specification and schematic for architectural, structural, mechanical, electrical, civil and landscape manuals, systems and equipment.
- (ix) Typical reflected ceiling development including ceiling grid and heights for each ceiling to be used, showing:
 - (a) Light fixtures
 - (b) Ceiling registers or diffusers
 - (c) Access Panels

- (x) A tabulation of both the net and gross assignable floor areas, and a comparison to the initial program area requirements.
 - (xi) Building design shall conform to all adopted energy regulations.
 - (xii) Identify minimum finish requirements, including ceiling, floors, walls, doors, windows, and types of hardware.
 - (xiii) Identify code requirements; include occupancy classification(s) and type of construction.
- (2) Structural:
- (i) Structural drawing with all major members located and sized.
 - (ii) Layout structural systems with dimensions and floor elevations. Identify structural systems (pre-cast, structural steel with composite deck, structural steel bar joists, etc.); with preliminary sizing identified. Establish final building and floor elevations.
 - (iii) Preliminary specifications.
 - (iv) Identify foundation systems and requirements (fill requirements, piles, caissons, spread footings, etc.); with preliminary sizing identified, and associated soil pressure, water table and seismic center. Architect shall design the foundation of the Project in accordance with recommendations of the District's soil engineer as provided by the District. Architect must notify the District in time to prepare this soil report for Architect's use.
- (3) Mechanical:
- (i) Heating and cooling load calculations as required and major duct or pipe runs sized to interface with structural. Calculate block heating, ventilation and cooling loads including skin versus internal loading.
 - (ii) Select a minimum of two (2) HVAC systems that appear compatible with loading conditions for subsequent life cycle costing.
 - (iii) Show selected system on drawings as follows:
 - (a) Single line drawing(s) of all mechanical equipment spaces, ductwork and pipe chases
 - (b) Location and preliminary sizing of all major equipment and duct work in allocated spaces
 - (c) Schematic piping

- (d) Temperature control zoning.
 - (ii) Major mechanical equipment should be scheduled indicating size and capacity.
 - (iii) Ductwork and piping should be substantially located and sized.
 - (iv) Devices in ceiling should be located.
 - (v) Legend showing all symbols used on drawings.
 - (vi) More developed outline specifications indicating quality level and manufacture.
- (4) Electrical:
- (i) Calculate overall approximate electrical loads.
 - (iii) Identify proposed electrical system for service, power, lighting, low voltage and communication loads.
 - (iv) Show system(s) selected on drawings as follows:
 - (a) Single line drawing(s) showing major distribution system.
 - (b) Location and preliminary sizing of all major electrical systems and components including:
 - (1) Load centers
 - (2) Main panels
 - (3) Switch gear
 - (v) Identify and define the scope of the technology backbone system.
 - (vi) All lighting fixtures should be located and scheduled showing all types and quantities of fixtures to be used, including proposed lighting levels for each usable space(s).
 - (vii) All major electrical equipment should be scheduled indicating size and capacity.
 - (viii) Complete electrical distribution including a one line diagram indicating final location of switchboards, communications, controls; (high and low voltage) motor control centers, panels, transformers and emergency generators, if required.
 - (ix) Legend showing all symbols used on drawings.
 - (x) More developed outline specifications indicating quality level and manufacture.

(xi) Identify and coordinate the Project with the District's IT systems and infrastructure.

(5) Civil:

(i) Further refinement of schematic design drawings of on and off site utility systems for sewer, water, storm drain and fire water. Includes pipe sizes, materials, invert elevation location and description of manholes, clean outs, hookups, bedding and installation details.

(ii) Further refinement of schematic design drawings of roadways, parking and storm drainage improvements; including but not limited to: details and large scale drawings of curb and gutter, manhole, thrust blocks, paved parking and roadway sections.

(6) Landscape:

(i) Further refinement of schematic design concepts, includes coordination of hardscape, landscape planting, ground cover and irrigation main distribution lines.

(7) District to provide the general conditions and the supplementary conditions for the contract with the Contractor.

(8) Estimate:

Design Development Estimate: This estimate of the Construction Cost shall be prepared by specification section, summarized by CSI category. The estimate shall include individual item unit costs of materials, labor and equipment. Sales tax, contractor's mark-ups. LLBC fee, and general conditions shall be listed separately.

(9) Meetings:

The District and the Architect will meet to address specific design issues and to facilitate the decision making process. Such meetings shall be held in the boundaries of the District. Documented decisions made at such meetings and subsequently approved by the District shall be binding. Any revisions or reconsideration of such decisions shall constitute a change in the scope of Services of the Architects unless such revision or reconsideration is required by Section 4.2.16.1 of the Agreement.

During the Design Development Phase it is anticipated that the Architect will attend (2) design meetings, Structural, Electrical, Mechanical and Plumbing Engineer, and Civil and Landscape engineer will attend (1) design meeting.

(10) Presentation:

Architect and applicable Architect Consultants shall present and review with the District the detailed design development drawings and concepts.

The design development design studies shall be revised within the program parameters until a final concept has been accepted and approved by the District at no additional cost to the District.

- (11) The Architect shall submit the Construction Documents to the District for review by facilities, maintenance and operations, and other staff of the District, and Architect shall respond to, and shall revise the Construction Documents as necessary in response to, any comments, suggestions and/or updates provided through such review.

G. CONSTRUCTION DOCUMENTS PHASE

Upon written authorization from the District to proceed with the Construction Documents Phase, Architect shall prepare Construction Documents based on the Design Development Phase Documents approved by the District and take other necessary actions in accordance with the following:

- (1) Prepare Construction Documents in compliance with the appropriate applicable building codes, ordinances and other regulatory authorities.
- (2) Construction Documents ("C/D") 50% stage:
 - (i) Architectural:
 - (a) Site plan developed to show building location, all topographical elements and existing/proposed contour lines.
 - (b) Elevations, (exterior and interior) sections and floor plans corrected to reflect design development review comments.
 - (c) Architectural details and large blow-ups started.
 - (d) Well developed finish, door, and hardware schedules.
 - (e) Site utility plans started.
 - (f) Fixed equipment details and identification started.
 - (g) Reflected ceiling plans coordinated with floor plans and mechanical and electrical systems.
 - (ii) Structural:
 - (a) Structural floor plans and sections with detailing well advanced.
 - (b) Structural footing and foundation plans, floor and roof framing plans with detailing well advanced.

(c) Completed cover sheet with general notes, symbols and legends.

(iii) Mechanical:

(a) Mechanical calculations virtually completed with all piping and ductwork sized.

(b) Large scale mechanical details should be started.

(c) Mechanical schedule for equipment substantially developed.

(iv) Electrical:

(a) Lighting, power, signal and communication plans should show all switching and controls. Fixture schedule and lighting details development should be started.

(b) Distribution information on all power consuming equipment; lighting and device branch wiring development should be well started.

(c) All electrical equipment schedules should be started.

(d) Special system components should be approximately located on plans.

(e) Completely develop the layout of the technology backbone system, including equipment room layouts, raceway and conduit routing and outlet locations.

(v) Civil:

All site plans, site utilities, parking and roadway systems updated to reflect update revisions from Design Development Phase.

(vi) Landscape:

All landscape, hardscape and irrigation plans updated to reflect update revisions from Design Development Phase.

(vii) Estimate:

Update and refine the estimate of the Construction Cost prepared during the Design Development Phase. Also provide an estimate sorted by District's bid packages.

(viii) Specifications:

- (a) Virtually complete development and preparation of technical specifications describing materials, systems and equipment, workmanship, quality and performance criteria required for the construction of the Project.

Where articles, materials and equipment are identified by brand names, at least two names shall be used, and such names shall be followed by the words "or approved equal" in accordance with Public Contract Code, Section 3400.

Specifications shall not contain restrictions that will limit competitive bids other than those required for maintenance convenience by the District.

At one hundred percent (100%) review, specifications shall be reviewed by the District and corrections made as directed at no cost to the District.

- (b) Coordination of the development of specifications by other disciplines.
- (c) Specification shall be in CSI format.

(3) Construction Documents 90%/DSA Submittal Stage:

(i) Architectural:

- (a) Virtually complete site plan.
- (b) Virtually complete floor plan, elevations and sections.
- (c) Architectural details and large blow-ups near completion.
- (d) Finish door, and hardware schedules virtually complete, including most details.
- (e) Site utility plan virtually complete.
- (f) Fixed equipment details and identification virtually complete.
- (g) Reflected ceiling plan virtually complete.
- (h) Provide Finish Schedule (with the exceptions of colors) identifying type of material and textures on walls, floors, doors, etc. Architect to recommend color selection for approval by the District.
- (i) All equipment catalog cuts.

(ii) Structural:

Completed structural floor plans and sections with detailing well advanced.

(iii) Mechanical:

(a) Mechanical load calculations complete and all piping and ductwork sized.

(b) Large scale mechanical details should be substantially complete.

(c) Mechanical schedule for equipment substantially complete.

(iv) Electrical:

(a) Lighting, power, signal and communication plan(s) should reflect all switching and controls. Fixture schedule(s) should be virtually complete.

(b) Distribution information on all power consuming equipment; lighting and device branch wiring should be virtually complete.

(c) All electrical equipment schedules should be virtually complete.

(d) Special system components should be located on plans.

(v) Civil:

All site plans, site utilities, parking and roadway systems updated to reflect update revisions from 50% C/D's.

(vi) Landscape:

All landscape, hardscape and irrigation plans updated to reflect update revisions from 50% C/D's and completed.

(4) Construction Documents - Substantial Completion Stage:

(i) Architectural:

(a) Completed site plan.

(b) Completed floor plans, elevations and sections.

(c) Architectural details and large blow-ups completed.

- (d) Finish, door and hardware schedules completed, including all details.
- (e) Site utility plans completed.
- (f) Fixed equipment details and identification completed.
- (g) Reflected ceiling plans completed.
- (ii) Structural:
 - (a) Structural floor plans and sections with detailing completed.
 - (b) Structural calculations completed.
- (iii) Mechanical:
 - (a) Large scale mechanical details complete.
 - (b) Mechanical schedules for equipment completed.
 - (c) Completed electrical schematic for environmental cooling and exhaust equipment.
 - (d) Complete energy conservation calculations and report.
- (iv) Electrical:
 - (a) Lighting and power plan should show all switching and controls. Fixture schedule and lighting details should be completed.
 - (b) Distribution information on all power consuming equipment, including lighting, power, signal and communication device(s) branch wiring completed.
 - (c) All electrical equipment schedules completed.
 - (d) Special system components plans completed.
 - (e) Electrical load calculations completed.
- (v) Civil:

All site plans, site utilities, parking and roadway systems completed.
- (vi) Estimate:

Update and refine the estimate of the Construction Cost prepared during the 50% Construction Document Phase.

(vii) Specifications:

- (a) Complete development and preparation of technical specifications describing materials, systems and equipment, workmanship, quality and performance criteria required for the construction of the Project.

Where articles, materials and equipment are identified by brand names, they shall be followed by the words "or approved equal" in accordance with Public Contract Code, Section 3400.

Specifications shall not contain restrictions that will limit competitive bids other than those necessary for District maintenance requirements.

At one hundred percent (100%) review, specifications shall be reviewed by the District and corrections made as directed at no cost to the District. Architect shall coordinate with District to incorporate any changes by the District, or the District's Construction Manager, made during District review of specifications.

- (b) Coordination of the development of specifications by other disciplines.
- (c) Specifications shall be in CSI format.

(5) Construction Documents Final DSA Approval Stage:

- (i) The construction document final stage shall be for the purpose of the Architect incorporating all governmental agencies' comments into the drawings, specifications, and estimate. All corrections made by the Architect during this stage should be at no additional cost to the District, except for changes by District from Design Development Phase or changes that are required by Section 4.2.16.1 of the Agreement.
- (ii) The Construction Documents delivered to the District upon completion by Architect shall include, but not limited to, the following:
 - (a) Drawings: Original of all drawings on CADD or plotted bond with Architect's and/or Architect Consultants' State license stamp(s).
 - (b) Specifications: Original computer generated technical specifications on reproducible masters in CSI format.
 - (c) Update and refine the Architect Consultant's completed Construction Documents.

(6) Construction Documents Final Back-Check Stage:

- (i) Make corrections as required, to reflect governmental agencies' final back-check comments into the drawings, specifications and estimate. All such corrections will be made at no cost to the District.
 - (ii) Upon written approval by the District that the documents are complete, Architect shall provide to the District completed drawings printed to scale and a complete set of specifications on reproducible masters. Reproduction of the Construction Documents for distribution to bidders will be provided by the District.
- (7) Construction Documents:
- (i) The Architect shall prepare and submit to the District for written approval the Construction Documents for the Project. The Architect shall conform for use in the Construction Documents the form(s) of such documents as are provided by the District, e.g., form of agreement, general conditions, *et cetera*.
 - (ii) To the extent required, the Architect shall submit the Construction Documents to DSA for plan check, and make all revisions and corrections as necessary to secure DSA approval of the Construction Documents. Upon receipt of DSA approval of the Construction Documents, the Architect shall provide to the District a final estimate of Construction Cost for the Project.
 - (iii). Unless the District informs Architect that District will be responsible for preparing bid documents, the Architect shall prepare all bid documents during the Construction Documents Phase of the Project, and forward them to the District for written approval not less than three weeks prior to the anticipated first advertisement date for bids as established by the District.
- (8) Meetings:
- (i) During the Construction Document Phase it is anticipated that the Architect will attend (2) design meetings; the structural, electrical, mechanical, plumbing engineer will attend the civil and landscape engineer will attend (1) meeting
 - (ii) Such meetings shall not exceed one (1) day in duration and will normally be held in the boundaries of the District. Documented decisions made at such meetings and subsequently approved by the District shall be binding. Any revisions or reconsiderations of such decisions affecting program, master plan, schematic design and design development shall constitute a change in the Services of the Architect unless such revision or reconsideration is required by Section 4.2.16.1 of the Agreement.

H. BIDDING PHASE

Upon written authorization from the District to proceed with the Bidding Phase, except to the extent the responsibility for any of the following is assumed by the District or a District consultant, or the bid

documents or other contracts applicable to the Project make any of the following the responsibility of some other party, Architect shall take all necessary actions in accordance with the following:

- (1) The development of the bidding procedure and the general condition of the construction contract shall be the joint responsibility of the District and the Architect, and the Contractor.
- (2) Following written approval of the Construction Documents and written acceptance by the District of Architect's final estimate of Construction Cost, the Architect shall cooperate with the District and/or its Program Manager or Contractor in the reproduction of the Construction Documents and the distribution of the Construction Documents to contractors interested in bidding on the Project. All sets of Construction Documents requested by the District for bidding purposes shall be reproduced at District's expense.
- (3) All questions concerning the intent or interpretation of the bidding and Construction Documents shall be referred to the District for screening and subsequent processing through Architect and/or the Construction Manager.
- (4) In the event any matter is identified that requires interpretation of the drawings or specifications, the Architect shall analyze the matter for decision by the District as to substantive and procedural requirements and, as necessary for corrections or clarifications, prepare one or more addenda for issuance by the District.
- (5) The Architect shall assist the District in evaluating all bids and contract proposals, evaluating substitutions proposed by bidders, and awarding the bids. The Architect shall review the qualifications of all bidders and make recommendations to the District as to whether, in the Architect's professional opinion, bidders are qualified and meet minimum requirements for performance of the work.

I. CONSTRUCTION PHASE

The Architect shall commence providing Construction Phase services upon award of the first contract for construction and until the earlier of the issuance to the District of the final Certificate for Payment or sixty (60) days after final completion of construction, including, without limitation, completion of all punch list items.

- (1) During construction, the Architect shall furnish all necessary additional drawings for supplementing, clarifying and/or correcting purposes and for change orders required. Such drawings shall be requested in writing from the Architect by the District and shall be at no additional cost unless designated as an Additional Service to the District. The original drawings and contract wording for change orders shall be submitted to the District for duplication and distribution.

(2) The Architect will receive written notification of the award of a construction contract. Upon receiving such written notification, the Architect will proceed with the Services required by the Construction Phase of the Agreement.

(3) Architect shall review and approve or take other appropriate action upon contractor's submittals such as: shop drawings, project data, samples and Change Orders, but only for the limited purpose of checking for conformance with information given and the design concept expressed in the Construction Documents.

The Architect's action shall be taken within fourteen (14) calendar days so as to cause no unreasonable delay, while allowing sufficient time in the Architect's professional judgment to permit adequate review.

In no case shall the review period associated with a single, particular submittal exceed fourteen (14) calendar days from the receipt by the Architect.

(4) During the course of construction, all Requests for Clarification must be responded to in a most expeditious manner, no more than seven (7) days, so as not to impact and delay the construction progress.

(5) Drawings or change orders required due to actions of the District which are beyond the scope of the Architect's responsibilities, shall be considered Additional Services.

(6) Architect shall visit the job site for on-site review of the construction of the Project. The schedule of these visits shall be coordinated and approved in advance by the District and the Construction Manager. The purpose of these visits is to resolve discrepancies in the Construction Documents and to monitor the progress of the Project.

Architect shall bring to the attention of the District, in writing to guard the District against, but does not assure against, any defects or deficiencies in the work by the Contractor which the Architect may observe.

(7) The Architect shall visit the site at intervals appropriate to the stage of construction or as otherwise agreed by the District and Architect in writing to become familiar with the progress and quality of the work completed and to determine that the work is being performed in a manner that the work when completed will be in accordance with the Construction Documents. On the basis of on-site observations as an architect, the Architect shall keep the District informed of the progress and the quality of the work, and shall endeavor to guard the District against defects and deficiencies in the work. However, the Architect shall not be a guarantor of the Contractor's performance.

(8) Prepare "Record Drawings": on the approved drawings original tracings to record changes made during the construction Project based upon information provided by the Contractor and changes by Change Orders. These "Record Drawings" along with three copies shall be delivered to the District at completion of the construction and shall be a condition precedent to the District's approval of the Architect's final payment. Architect may coordinate with District to identify electronic media alternatives to the satisfaction of all, or a portion of, this requirement.

- (9) The Architect shall not be responsible for, nor have control or charge of, construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the Project, and shall not be responsible for Contractors' failure to carry out work in accordance with the Construction Documents. The Architect shall not be responsible for, nor have control over, the acts or omissions of the Contractors, subcontractors, any of their agents or employees, or any other persons performing any work.
- (10) Architect shall review equipment and maintenance manuals, and a complete set of warranty documents for all equipment and installed systems.
- (11) Architect shall also provide at the District's request, architectural/engineering advice to the District on start-up, break-in and debugging of facility systems and equipment; and apparent deficiencies in construction following the acceptance of the Contractor's work.

J. PROJECT CLOSE-OUT PHASE

As a condition to final payment to the Architect pursuant to this Agreement, the Architect shall complete all actions necessary for close-out of the Project in accordance with the following:

- (1) Architect shall perform all actions necessary for District to obtain final close-out approval from DSA and any other governmental agencies with jurisdiction over the Project or any portion thereof. Architect shall not be responsible for documents or actions required of inspectors, testing labs, Contractors, the District, or any other consultants retained by the District.
- (2) Architect shall provide to the District any and all documentation required pursuant to this Agreement not already provided during prior phases of the Services.
- (3) Architect shall coordinate with the District, at extra expense to be agreed upon between the District and the Architect, to prepare for the District as part of the project closeout, following completion of construction and occupation of the Project by the District, a survey reviewing how certain areas of the Project are being utilized as compared to their intended utilization. The District shall, at the Architect's request and with the Architect's assistance, identify those areas of the Project to be included in such survey.

K. MATTERS NOT WITHIN SCOPE OF SERVICES

The Architect is not responsible for providing, as part of the Services, any of the following:

- (1) Ground contamination or hazardous material analysis.
- (2) Any asbestos testing, design or abatement.
- (3) Environmental impact report.

- (4) Historical significance report.
- (5) Soils investigation.
- (6) Geotechnical hazard report.
- (7) Topographic survey.
- (8) Title report.

EXHIBIT "C"
DELIVERABLES

(1) Schematic Design Phase

Deliverables and No. of Copies:

- (a) Schematic Design Submittal Package - 6 copies
- (b) Cost estimates - 4 copies
- (c) Design Checklist - 2 copies

(2) Design Development Phase

Deliverables and No. of Copies:

- (a) Rendered perspective drawings - 6 copies
- (b) Color/Material Boards - 2 copies
- (c) Design Development drawing submittal - 4 copies
- (d) Outline Specifications - 4 copies
- (e) Cost Estimate - 4 copies
- (f) Design Checklist - 4 copies
- (g) Project scale model, for additional fee, if requested by the District.

(3) Construction Documents Phase

Deliverables and No. of Copies:

- (a) Fifty percent (50%) submittal - 4 copies

four (4) prints of the fifty percent (50%) working drawings, three (3) specifications, and three (3) cost estimates.
- (b) Ninety percent/DSA Submittal - 4 copies

four (4) prints of the ninety percent (90%)/DSA Submittal working drawings, and three (3) equipment cut sheets.

- (c) Statement of requirements for testing and inspection of service for compliance with Construction Documents and applicable codes -2

(Submit with DSA Submittal)

- (d) One hundred percent (100%)/DSA Approved submittal - 4 copies

four (4) prints of the DSA Approved one hundred percent (100%) working drawings, three (3) specifications, one (1) engineering calculation and three (3) cost estimates.

- (e) Electronic file copy of DSA Approved C/D drawings and specifications on C/D- 1 copy (in PDF and CAD format)

- (f) Design Checklist - 2 copies

- (g) A statement at each stage of C/D review indicating any authorized changes made to the program from the last submittal and the cost impact of such changes on the previously approved Construction Budget - 2 copies

If no program changes occur but shifts of costs occur between disciplines, identify for District review. (Submit with all submittals, 50, 75, 100%)

EXHIBIT "D"

INVOICE APPROVAL FORM

DATE:

Project No. 4: Harrington Reconstruction

Architect of Record: Dougherty + Dougherty Architects, LLP ("D+D")

D+D has submitted Invoice No. _____ for review by the District's Program Manager, Caldwell Flores Winters, Inc. ("CFW"), and the District.

By signing below, a representative of D+D, hereby certifies that the invoice submitted is a true and accurate reflection of the work performed to date, is an accurate representation of the percent work completed for the phase identified in the invoice, and that the invoice submitted does not include any charges for services that have been previously paid, or rejected by the District and/or CFW.

Dougherty + Dougherty Architects, LLP Date

The invoice has been reviewed by the following and is recommended for payment:

Caldwell Flores Winters, Inc. Date

Oxnard School District Date
Lisa Cline, Assistant Superintendent for
Business and Fiscal Services

Consultant/Vendor Billing Instructions

Invoice Cover Sheet Set-Up.

- 1 See "billing tab" below for spreadsheet, these are the instructions
- 2 Enter Project Site name, DSA project number, Project Type, Invoice #, Date, Your Company Name, fax, phone, etc...
- 3 Enter PO # (Purchase Order #) provided to you when contract issued
- 4 Feel free to include your company logo if you wish
- 5 Enter approved contract agreements, amendments, re-imburseables, allowances, etc. for which you are billing. Include summary scope of work. Enter "Cost Code" provided to you by Program Manager.
- 6 If you wish to break the contract work items down into portions that you would typically separate for progressive payments, please do that now. If your contract allows re-imburseables in addition to contract fee, please separate these values. If you require more line items to complete this step, please highlight the entire last row by clicking on the grey row # at left, press CTRL+C to copy row, right click grey row # immediately below, select "Insert Copied Cells". This can be repeated as many times as necessary. Multiple rows can be copied/inserted in a single step by highlighting multiple rows prior to copying.

First Billing.

- 5 **IMPORTANT!** When you are entering costs for your first billing, enter values (dollar amounts) **ONLY** into the green column. The percentages will change automatically. **NOTE:** Select the (% Complete) billing tab if you prefer to track your billings based on total project % complete. Once % complete is entered, billable amount will populate automatically. Select the (lump sum) billing tab if you prefer to track your billings as a lump sum billable amount to date. Once lump sum amount is entered, % complete will populate automatically.
- 6 Send invoice based on the Dollar value at the PRE-RETENTION value, if applicable.

Subsequent Billings

- 7 Manually input the dollar values from the "cost completed to date" column into the blue "total previous billings" column
- 8 Enter the corresponding dollar values/% complete values into the green column for total work complete to date.
- 9 Submit a conditional release waiver with the billing. Submit signed pay request certification form.
- 10 Email (muddledstadt@ctfwinc.com) or mail to the CFW Oxnard office at 1901 Victoria Ave, Suite 106 Oxnard, CA 93035. Please allow 4-6 weeks for invoice processing prior to payment.
- 11 Please note that invoice amounts which exceed remaining contract balance will not be processed, and will be returned to Vendor pending additional contract agreement(s). Incorrect contract amounts, cost codes, or other errors & miscalculations can delay/prevent processing of payment.

NOTE:

All Consultant/Vendor invoices must be accompanied by this worksheet to ensure proper payment. Invoices without this worksheet may be rejected and may delay payment until the next billing cycle or until the spreadsheet becomes accurate. Invoices not received by the 25th may be delayed until the next billing cycle. Contact the Program Manager with any questions regarding billing values, or any other information required, prior to submitting a billing.

EXHIBIT "E"

FINGERPRINTING REQUIREMENTS

SECTION 00510

**BACKGROUND CHECK AND FINGERPRINTING PROCEDURES
FOR CONTRACTORS**

The successful Bidder will be required to assure that its employees, subcontractors of any tier, material suppliers, and consultants do not have direct contact with the District's students during the performance of the Contract in compliance with Education Code §§ 45125.1 and 45125.2. To assure these provisions, the successful Bidder's supervisor shall be fingerprinted, and proof of same shall be provided to the District prior to start of on-site work. The supervisor will monitor the workers' conduct while on school grounds. In addition, the successful Bidder shall barricade the Work area to separate its workers from the students. Costs associated with this process are the responsibility of the successful Bidder.

The Contractors' construction supervisors or their unsupervised employees who will be working outside of fenced areas during the school hours must have submitted a fingerprint identification card to the Department Of Justice (DOJ) and have a proof of clearance in the form of an affidavit filed in the Oxnard School District's Purchasing Office prior to the start of the Work.

California Education Code §§45125.1 and 45125.2 require that criminal checks be completed for contractors (Contracting Firm) who provide architectural, construction, janitorial, administrative, landscape, transportation, food-related, or other similar services to school districts.

The undersigned does hereby certify to the Board of Trustees of the Oxnard School District as follows:

That I am a representative of the Contractor currently under contract ("Contract") with the District; that I am familiar with the facts herein certified, and am authorized and qualified to execute this certificate on behalf of Contractor.

Contractor certifies that it has taken the following actions with respect to the construction Project that is the subject of the Contract:

1. Pursuant to Education Code §45125.2, Contractor has installed or will install, prior to commencement of Work, a physical barrier at the Work Site, which will limit contact between Contractor's employees and District pupils at all times (mandatory for all Projects); AND
2. The Contractor has complied with the fingerprinting requirements of Education Code §45125.1 with respect to all Contractor's employees and all of its subcontractors' employees

who may have contact with District pupils in the course of providing services pursuant to the Contract, and the California Department of Justice has determined that none of those employees has been convicted of a felony, as that term is defined in Education Code §45122.1. A complete and accurate list of Contractor's employees and of all its subcontractors' employees who may

come in contact with District pupils during the course and scope of the Contract is attached hereto; AND/OR

3. Pursuant to Education Code §45125.2, Contractor certifies that all employees will be under the continual supervision of, and monitored by, an employee of the Contractor who the California Department of Justice has ascertained has not been convicted of a violent or serious felony. The name and title of each employee who will be supervising Contractor's employees and its subcontractors' employees is:

Name: BRIAN DOUGLASSONZY AND LAI-YIN CHEAH
Title: PARTNER

AND/OR

4. The Work on the Contract is at an unoccupied school site and no employee and/or subcontractor or supplier of any tier of Contract shall come in contact with District pupils.

Contractor's responsibility for background clearance extends to all of its employees, Subcontractors, and employees of Subcontractors coming into contact with District pupils regardless of whether they are designated as employees or acting as independent contractors of the Contractor.

Date: 10-11-13

Proper Name of Contractor: DOUGLASSONZY + DOUGLASSONZY ARCHITECTS LLP

Signature: [Handwritten Signature]

By: BRIAN DOUGLASSONZY

Its: PARTNER

BOARD AGENDA ITEM

Name of Contributor: Dr. Cesar Morales/Lisa Cline

Date of Meeting: 8/3/16

STUDY SESSION _____
CLOSED SESSION _____
SECTION B: HEARINGS _____
SECTION C: CONSENT _____
SECTION D: ACTION X
SECTION E: REPORTS/DISCUSSION _____
SECTION F: BOARD POLICIES 1st Reading _____ 2nd Reading _____

Rejection of Informal Bid Award for Bid #16-INF-01, Harrington School Fence Project 2016 (Morales/Cline)

Informal bids were solicited for Bid #16-INF-01, Harrington School Fence Project 2016, pursuant to Public Contract Code §22034, the informal bid procedure for projects under \$175,000.00. One bid was received and opened at 11:00 a.m., Wednesday, July 20, 2016. A summary of the bid is attached.

It is requested that the Board of Trustees reject the bid submitted because the base bid amount exceeded the Informal Bid limits as specified in Public Contract Code §22034, as well as the District's budget for this project. The district will be reviewing the scope of work and will re-bid the project at a later date.

FISCAL IMPACT:

None

RECOMMENDATION:

It is the recommendation of the Superintendent, and the Deputy Superintendent, Business & Fiscal Services, that the Board of Trustees reject the bid for Bid #16-INF-01, Harrington School Fence Project 2016.

ADDITIONAL MATERIALS:

Attached: Bid Summary (1 Page)

DISTRICT GOAL(S):

DISTRICT GOAL THREE:

Adopt and Implement a Comprehensive Facilities Program that Improves Student Performance, Maximizes State Funding Opportunities and Reduces Overcrowding at Existing School Sites

BOARD AGENDA ITEM

Name of Contributor(s): Morales/Cline

Date of Meeting: 8/3/16

| | |
|-------------------------------|---|
| STUDY SESSION | _____ |
| CLOSED SESSION | _____ |
| SECTION B: HEARINGS | _____ |
| SECTION C: CONSENT AGENDA | _____ |
| SECTION D: ACTION | <u> X </u> |
| SECTION E: REPORTS/DISCUSSION | _____ |
| SECTION F: BOARD POLICIES | 1 st Reading _____ 2 nd Reading _____ |

Approval of Resolution #16-05 Approving Adoption of a Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program Related to the New 12 Classroom Building Project at Thurgood Marshall Elementary School (Morales/Cline/CFW)

As part of the efforts to develop a new 12 classroom building at Marshall Elementary School, the District assigned environmental work pursuant to the California Environmental Quality Act (CEQA) to Tetra Tech. The District, in conjunction with Tetra Tech, prepared an Initial Study (IS) and Mitigated Negative Declaration (MND). The findings within these documents state that the project as designed, and with incorporated mitigation measures, will not result in significant effects upon the environment.

On April 18, 2016, the District released the draft IS/MND for public review and comment. The District also held a public hearing to receive comments on the draft MND on Wednesday May 18, 2016. The public review period ended on May 18, 2016. Based on all comments received, a Final MND and Mitigation Monitoring and Reporting Program (MMRP) was prepared.

At this time, the Board of Trustees is asked to consider a resolution approving the adoption of the Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program for the 12 Classroom Building project at Marshall Elementary School based on the environmental record including public comments received.

FISCAL IMPACT:

Filing fees of \$2,260.25 to the Ventura County Clerk and Recorder will be required and are included within the budget for the New 12 Classroom Building Project at Thurgood Marshall Elementary School.

RECOMMENDATION:

It is the recommendation of the Superintendent and the Deputy Superintendent, Business and Fiscal Services, in conjunction with Caldwell Flores Winters, that the Board of Trustees adopt Resolution #16-05 approving adoption of a Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program Related to the New 12 Classroom Building Project at Thurgood Marshall Elementary School.

ADDITIONAL MATERIAL(S):

- PowerPoint Presentation (5 pages)
- Resolution #16-05 Approving Adoption of a Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program Related to the New 12 Classroom Building Project at Thurgood Marshall Elementary School (3 pages)
- Mitigation Monitoring and Reporting Program (7 pages)
- Final Mitigated Negative Declaration for the Marshall Elementary School New Classroom Building Project (806 pages)

GOALS:

- ***District Goal Three: Adopt and Implement a Comprehensive Facilities Program that Improves Student Performance, Maximizes State Funding Opportunities and Reduces Overcrowding at Existing School Sites***



TETRA TECH

ENVIRONMENTAL REVIEW FOR THE PROPOSED 12 CLASSROOM BUILDING AT THURGOOD MARSHALL ELEMENTARY

**Initial Study & Final Mitigated
Negative Declaration**

Randy Westhaus, P.E.

PROJECT OVERVIEW

- Proposed new two-story, 12-classroom building would be added to the existing Marshall Elementary School Campus.
- Existing campus would be reconfigured to include grades 6th through 8th thereby accommodating grades K-8.
- Student capacity would be increased to 900 students from 555.
- 20 additional parking spaces would be added.

CEQA OVERVIEW

- **The California Environmental Quality Act (CEQA) requires that public agencies disclose environmental impacts of projects that have a physical effect on the environment.**
- **A Draft Initial Study/ Mitigated Negative Declaration was prepared and was circulated for a 30-day public review and comment period from April 18, 2016 to May 18, 2016.**

COMMENT LETTERS

- During the public review and comment period, six comment letters were received. Letters were received from:
 - California Department of Transportation
 - County of Ventura Resource Management Agency
 - County of Ventura Transportation Department
 - Ventura County Watershed Protection District
 - Ventura County Air Pollution Control District
 - State Clearinghouse
- Based on all comments received, a Final IS/MND and Mitigation Monitoring and Reporting Program (MMRP) was prepared.

FINAL INITIAL STUDY (IS) & MITIGATED NEGATIVE DECLARATION (MND)

- All comments received were considered and responded to in the Final IS/MND (Appendix H). Appropriate changes were made as indicated by ~~strike-out~~ for deleted text and underline to indicate where new text has been incorporated into the Final Mitigated Negative Declaration.
- Based on the environmental record, including public comments, it is anticipated that the proposed project would not cause any significant adverse impacts on the environment with inclusion of mitigation measures for the following:
 - Aesthetics;
 - Biology;
 - Cultural;
 - Geology;
 - Hydrology; and
 - Noise.

RESOLUTION NO. 16-05
RESOLUTION OF THE BOARD OF TRUSTEES OF
THE OXNARD SCHOOL DISTRICT
APPROVING ADOPTION OF A
MITIGATED NEGATIVE DECLARATION AND
MITIGATION MONITORING AND REPORTING PROGRAM RELATED TO THE NEW
12 CLASSROOM BUILDING PROJECT AT THURGOOD MARSHALL ELEMENTARY
SCHOOL

WHEREAS, the District, in conjunction with Tetra Tech, has prepared an Initial Study and a Mitigated Negative Declaration (“MND”) pursuant to CEQA to identify significant environmental impacts, if any, associated with District’s proposed addition of a new 12 classroom building at Thurgood Marshall Elementary School (the “Project”); and

WHEREAS, the MND was prepared pursuant to CEQA and the State CEQA Guidelines; and

WHEREAS, the District, as the lead agency for the Project, provided copies of the draft MND (“Draft MND”) and Initial Study to the public for review and comment pursuant to Public Resources Code Sections 21091 and 21092 for a period of 30 days from April 18, 2016 to May 18, 2016; and

WHEREAS, the Board has carefully reviewed the Final MND and all other relevant information contained in the record for the Project; and

WHEREAS, the Board has received and considered oral and written comments received from the public and other interested agencies regarding the Final MND; and

WHEREAS, all other legal prerequisites to the adoption of this Resolution have occurred.

NOW, THEREFORE, the Board of the District hereby finds, determines, declares, orders and resolves as follows:

Section 1 - Recitals. That all of the recitals set forth above are true and correct, and the Board so finds and determines.

Section 2 - Compliance with CEQA. That the Board reviewed and considered the information contained in the Final MND including without limitation, the Draft MND, Initial Study, comments from the public and interested agencies, and any comments made at the public meetings or contained in the administrative record for the Project. The Board hereby makes the following specific findings with respect to the Final MND:

- (a) That the Final MND prepared for the Project contains a complete and accurate reporting of the environmental impacts associated with the Project; and
- (b) That the Final MND has been completed in compliance with CEQA and the State CEQA Guidelines; and
- (c) That the Project as designed, and with incorporated mitigation measures, will not result in significant effects upon the environment; and

- (d) That there is no substantial evidence in the record supporting a fair argument that the Project may result in significant impacts to the environment; and
- (e) That the Final MND reflects the independent judgment and analysis of the District; and
- (f) The Board hereby adopts the Mitigation Monitoring and Reporting Plan, which includes the mitigation measures included in the Final MND that avoid or substantially lessen the environmental effect to levels below significance and authorizes the implementation of the Mitigation Monitoring and Reporting Plan; and
- (g) That any mitigation measures added to the Final MND subsequent to the circulation of the Draft MND, if any, are either minor changes to the Project and do not result in a fundamental reorganization of the MND, and/or the purpose of the mitigation measures are to reduce the effects on the environment that were already identified in the Draft MND as insignificant, and further that the mitigation measures do not have the potential to have a significant impact upon the environment; and
- (h) That any mitigation measures which have been changed or substituted subsequent to the circulation of the Draft MND, if any, are equivalent or more effective in mitigating the environmental impacts than the prior mitigation measures, and that the change and/or substitution of such mitigation measures and not itself cause any potentially significant effect upon the environment; and
- (i) That the Board has reviewed and considered the information in the Final MND before approving the Project.

Section 3 - Location and Custodian of Records. The location and custodian of records with respect to all of the relevant documents and any other material which constitutes the administrative record for the MND are as follows: Ms. Lisa Cline, Oxnard School District, 1051 South "A" Street, Oxnard, CA 93030.

Section 4 - Adoption of Final Mitigated Negative Declaration. That the Board hereby adopts the Final MND in the form presented to the Board in conjunction with this resolution, including the Mitigation Monitoring and Reporting Plan.

Section 6 - Notice of Determination. That the Board hereby directs District staff to file a Notice of Determination with the Ventura County Clerk and Recorder and State Clearinghouse within five (5) working days after the Board's adoption of the Final MND.

Section 7. Approval of Projects. That the Project, as described and analyzed in the Final MND, is hereby approved.

APPROVED, PASSED AND ADOPTED by the Board of Trustees of the Oxnard School District on this 3rd day of August 2016, by the following vote:

Ayes: _____
Nays: _____
Abstentions: _____
Absences: _____

Board of Trustees:

President Robles-Solis: _____
Clerk Cordes: _____
Trustee Duff: _____
Trustee Morrison: _____
Trustee O’Leary: _____

Veronica Robles-Solis
President of the Board of Trustees
Oxnard School District

I HEREBY CERTIFY that the foregoing resolution #16-05 was duly and regularly introduced, passed and adopted by the members of the Board of Trustees of the Oxnard School District at a public meeting of said Board held on August 3, 2016.

Debra M. Cordes
Clerk of the Board of Trustees
Oxnard School District

**MITIGATION MONITORING AND REPORTING PROGRAM:
12 CLASSROOM BUILDING PROJECT AT THURGOOD MARSHALL ELEMENTARY SCHOOL
OXNARD SCHOOL DISTRICT
OXNARD, CA**

| Mitigation Measure | Requirements of Measure | Time Frame | Responsible Party | Completed | Initials and Date | Notes/Comments |
|--------------------|--|-----------------------------------|-------------------|-----------|-------------------|----------------|
| Aesthetics | | | | | | |
| AES-1 | Low impact, fully-shielded lighting shall be used for all nighttime light sources. This includes lamps with visors, hoods, and opaque reflectors to ensure that no unnecessary light is emitted. | During Construction and Operation | OSD | | | |
| Biology | | | | | | |
| BIO-1 | When possible, removal of vegetation should be avoided during the nesting season (February 15-September 1). If the disturbance or removal of vegetation occurs during the nesting bird season, clearance surveys will be conducted by a qualified biologist. Surveys must be conducted within two weeks prior to ground disturbance. If nesting birds are found, the biologist will establish an appropriate buffer within which no work will occur, or work must halt until the nest is determined by the biologist to be inactive. | Prior to Construction | OSD | | | |
| BIO-2 | When possible, tree removal should be avoided during the nesting season (February 15-September 1). If the disturbance or removal of trees occurs during the nesting bird season, clearance | During Construction | OSD | | | |

| | | | | | | |
|---------------------------|---|-----------------------|-----|--|--|--|
| | surveys will be conducted by a qualified biologist. Surveys must be conducted within two weeks prior to tree disturbance or removal. If nesting birds are found, the biologist will establish an appropriate buffer within which no work will occur, or work must halt until the nest is determined by the biologist to be inactive. | | | | | |
| Cultural Resources | | | | | | |
| CR-1 | Worker Education/Training—Prior to any ground disturbing activities within the project APE, all project personnel will be briefed by a qualified project archaeologist (retained on-call for the project by the applicant) about the potential and procedures for the inadvertent discovery of prehistoric and historic archaeological resources. The training will include procedures for temporarily halting or redirecting work in the event of a discovery, identification and evaluation procedures, and a discussion on the importance of, and the legal basis for, the protection of archaeological resources. Personnel will be also be provided with a handout regarding identification of cultural resources and protocols for reporting finds. | Prior to Construction | OSD | | | |
| CR-2 | Inadvertent Discoveries of Archaeological Resources— If the construction staff or others observe previously unidentified archaeological resources during ground disturbing activities, they will | During Construction | OSD | | | |

| | | | | | | |
|--------------|--|---------------------|-----|--|--|--|
| | <p>halt work within a 200-foot radius of the find(s), delineate the area of the find with flagging tape or rope (may also include dirt spoils from the find area), and immediately notify the qualified project Archaeologist (retained on-call by applicant). Construction will halt within the flagged or roped-off area. The Archaeologist will assess the resource as soon as possible and determine appropriate next steps in coordination with OSD. Such finds will be formally recorded and evaluated. The resource will be protected from further disturbance or looting pending evaluation.</p> | | | | | |
| CR-3: | <p>Archaeological Monitoring— If proposed project construction ground disturbing activities will reach depths containing undisturbed native soils (areas below 1.5 feet), a qualified archaeological monitor and Native American monitor (if requested) will be present on-site during ground disturbing activities. A cultural resource monitoring and inadvertent discovery plan that outlines protocols and procedures will be developed prior to any construction (including grading) of the project APE by the qualified on-call Archaeologist (see CR-1). If any cultural resources are identified by the monitor(s) during ground</p> | During Construction | OSD | | | |

| | | | | | | |
|----------------|--|-----------------------|-----|--|--|--|
| | disturbing activities, the resource will be treated as an inadvertent discovery and the protocols outlined in the monitoring plan will be followed. If requested by interested Tribes, a Native American monitor will also be present during construction ground disturbing activities. | | | | | |
| CR-4 | Inadvertent Discoveries of Paleontological Resources— If the construction staff or others observe previously unidentified paleontological resources during ground disturbing activities, they will halt work within a 200-foot radius of the find(s), delineate the area of the find with flagging tape or rope (may also include dirt spoils from the find area), and immediately notify a qualified Paleontologist (retained on-call by the applicant). Construction will halt within the flagged or roped-off area. The Paleontologist will assess the resource as soon as possible and determine appropriate next steps in coordination with OSD. Such finds will be formally recorded and evaluated. The resource will be protected from further disturbance or looting pending evaluation. | During Construction | OSD | | | |
| Geology | | | | | | |
| GEO-1 | The building design for structures at the Project shall use geotechnical building design recommendations that are based on a site | Prior to Construction | OSD | | | |

| | | | | | | |
|--------------|--|-----------------------|-----|--|--|--|
| | <p>specific ground motion hazard analysis for the Project site performed in accordance with ASCE 7-10 (ASCE 2013) Chapter 21 as modified by Section 1803A.6 of the 2013 CBC. The site specific ground motion hazard analysis and geotechnical building design recommendations shall be approved by the CGS and the DSA.</p> | | | | | |
| GEO-2 | <p>The building design for structures at the Project shall use geotechnical building design recommendations that are based on a site specific a site specific evaluation of the liquefaction potential performed in accordance with the 2013 CBC (CBSC 2013) and the methods in the <i>Guidelines for Evaluating and Mitigating Seismic Hazards in California, Special Publication 117A</i> (CGS 2008). The site specific liquefaction potential analysis and geotechnical building design recommendations shall be approved by the CGS and the DSA.</p> | Prior to Construction | OSD | | | |
| GEO-3 | <p>Potential soil erosion that would occur during construction activities, including site grading, structure assembly, and utility extension shall be reduced to a less than significant level with standard erosion mitigation measures, including the use of hay bales and other erosion control devices as determined by site-specific conditions, limiting construction to the dry season, and soil wetting, applied as required under</p> | During Construction | OSD | | | |

| | | | | | | |
|------------------|---|-----------------------------|-----|--|--|--|
| | applicable regulatory guidelines and standards. | | | | | |
| Hydrology | | | | | | |
| HYDRO-1 | The project contractor shall include low-flow flush toilets and urinals, self-closing faucets, and insulated piping to reduce water consumption to the extent feasible. | Construction and Operation. | OSD | | | |
| HYDRO-2 | The OSD shall develop and implement a site evacuation plan to be implemented in conjunction with the County of Ventura OES Dam Failure Response Plan. | Prior to Operation | OSD | | | |
| Noise | | | | | | |
| N-1 | <p>The construction contractor shall limit activities as follows:</p> <ul style="list-style-type: none"> • Equipment and trucks used for project construction shall utilize the best available noise control techniques (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures and acoustically-attenuating shields or shrouds) wherever feasible. • Stationary noise sources shall be located as far from adjacent receptors as possible and shall be muffled and enclosed within temporary sheds, incorporate insulation barriers or other measures to the extent feasible. • Impact tools (e.g., jack hammers, pavement breakers, and rock drills) used for project construction shall be hydraulically or electrically powered wherever possible to avoid noise | During Construction | OSD | | | |

| | | | | | | |
|--|---|--|--|--|--|--|
| | <p>associated with compressed air exhaust from pneumatically-powered tools. However, where use of pneumatically powered tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used; this muffler can lower noise levels from the exhaust by up to about 10 dBA. External jackets on the tools themselves shall be used where feasible. This could achieve a reduction of 5 dBA. Quieter procedures shall be used such as drilling rather than impact equipment whenever feasible.</p> <ul style="list-style-type: none">• Heavy construction equipment operations should be limited during the school period when classrooms are being utilized in the adjacent building. | | | | | |
|--|---|--|--|--|--|--|

Job No. 34007.04

**Final Initial Study/
Mitigated Negative Declaration
Proposed Expansion of
Thurgood Marshall Elementary
Oxnard, California**

Prepared for:

Ms. Lisa Cline
Deputy Superintendent, Business & Fiscal Services
Oxnard School District
1051 S A Street
Oxnard, CA 93030

Prepared by:

Tetra Tech, Inc.
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July 11, 2016

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1.0 INTRODUCTION

1.1 INTRODUCTION

This Draft Initial Study/Mitigated Negative Declaration (IS/MND) has been prepared for the Oxnard School District (OSD) by Tetra Tech, Inc. to evaluate whether the proposed expansion of Thurgood Marshall Elementary School would have a significant effect on the environment. OSD acting as the Lead Agency, may prepare a Negative Declaration if there is no substantial evidence that the project or any of its aspects may cause a significant effect on the environment. According to *State CEQA Guidelines* Section 15070, a public agency shall prepare or have prepared a proposed negative declaration or mitigated negative declaration for a project subject to CEQA when:

- (a) The initial study shows that there is no substantial evidence, in light of the whole record before the agency, that the project may have a significant effect on the environment, or
- (b) The initial study identifies potentially significant effects, but:
 - (1) Revisions in the project plans or proposals made by, or agreed to by the applicant before a proposed mitigated negative declaration and initial study are released for public review would avoid the effects or mitigate the effects to a point where clearly no significant effects would occur, and
 - (2) There is no substantial evidence, in light of the whole record before the agency, that the project as revised may have a significant effect on the environment.

1.2 REQUIRED CONTENT

A Negative Declaration circulated for public review shall include:

- (a) A brief description of the project, including a commonly used name for the project, if any;
- (b) The location of the project, preferably shown on a map, and the name of the project proponent;
- (c) A proposed finding that the project will not have a significant effect on the environment;
- (d) An attached copy of the Initial Study documenting reasons to support the finding; and
- (e) Mitigation measures, if any, included in the project to avoid potentially significant effects.

1.3 PUBLIC REVIEW

A Draft IS/MND (SCH: 2016041052) was circulated for a 30-day public review and comment period from April 18, 2016 to May 18, 2016. A public hearing was also held to receive any comments on the draft IS/MND on May 18, 2016 at 6:00 p.m. at the District office located at 1051 South A Street, Oxnard, CA 93030. No individuals or agencies provided comments on the draft IS/MND at the public hearing. During the public review period, 6 comment letters were received as indicated in Table 1-1.

**Table 1-1
Comment Letters**

| Letter Number | Date Received | Agency | Author |
|----------------------|----------------------|---|-----------------------|
| 1 | 5/16/2016 | California Department of Transportation | Dianna Watson |
| 2 | 5/18/2016 | County of Ventura Resource Management Agency | Tricia Maier |
| 3 | 5/18/2016 | County of Ventura Transportation Department | Author not identified |
| 4 | 5/18/2016 | Ventura County Watershed Protection District | Alma Quezada, P.G. |
| 5 | 5/19/2016 | Ventura County Air Pollution Control District | Alicia Stratton |
| 6 | 5/24/2016 | State Clearinghouse | Scott Morgan |

All written comments received were considered and responded to (Please refer to response to comments, Appendix H). Appropriate changes were made as indicated by ~~strike-out~~ for deleted text and underline to indicate where new text has been incorporated into the Final Mitigated Negative Declaration herein, dated July 11, 2016. Changes have been to the following sections:

- Section 2.2, Project Description
- Section 3.4.16, Transportation/Traffic

2.0 PROJECT INFORMATION

| | |
|-------------------------------------|---|
| Project title: | Expansion of Thurgood Marshall Elementary |
| Lead agency name and address: | Oxnard School District 1051 S. A Street Oxnard, CA 93030 |
| Contact person and phone number: | Ms. Lisa Cline, (805) 385-1501 |
| Project location: | 2900 Thurgood Marshall Drive Oxnard, California, 93036 |
| Project sponsor's name and address: | Ms. Lisa Cline Oxnard School District 1051 S. A Street Oxnard, CA 93030 |
| General Plan Designation: | SCH- School |
| Zoning Designation: | CR- Community Reserve |
| Surrounding land uses: | North: Residential, Golf Course South: Agriculture, Oxnard High School (SW) East: Residential, Golf Course West: Residential |

2.1 ENVIRONMENTAL SETTING

The project site is the existing Thurgood Marshall Elementary School campus that is located within the Northwest Golf Course Community Specific Plan Area. Thurgood Marshall Elementary School (K-5) is located at 2900 Thurgood Marshall Drive in the City of Oxnard, in Ventura County, California. The school occupies Assessor Parcel Number (APN) 179-0-070-010 and access to the school is provided from Thurgood Marshall Drive. The Site is relatively flat and developed as a public elementary school with associated play areas. A Site Location Map is provided as Figure 2-1 and an Aerial Photo of the Project Site is provided as Figure 2-2.

2.2 PROJECT DESCRIPTION

Oxnard School District (OSD or District) proposes to construct and operate a new two-story, 12-classroom building on the existing Marshall Elementary School site in compliance with current seismic codes. The school would be reconfigured to include grades 6th through 8th thereby accommodating students in grades K-8 at the Thurgood Marshall Elementary School site (herein referred to as the proposed project or project). The new facilities are needed to accommodate growing District enrollment in the 6th through 8th grades. The proposed 12-classroom permanent structure would increase capacity at the Marshall School to 900 students at State loading standards, satisfying the District's education specification for a K-8 facility.

The proposed project would increase the student capacity at the project site but would not increase overall District enrollment. More specifically, the District is experiencing a bubble in enrollment in the 3rd and 4th grades that it believes will exceed the District's capacity when those children matriculate to the 6th through 8th grades. In order to accommodate those children in an age appropriate environment, the District is proposing to construct 12 classrooms at Marshall. The District does not anticipate a growth in the overall enrollment District wide and fully expects this bubble to work its way through the system. Once these children matriculate through the 8th grade, these classrooms will either continue to be used to accommodate 6th through 8th grade students; revert to 3rd through 5th grade, permitting the District to reduce class size; or be used as swing space to complete improvements through other District facilities.

The proposed project would add 12,821 square feet (sq. ft.) of teaching facilities and an additional 2,280 sq. ft. devoted to restroom (1,270 sq. ft.) , storage (593 sq. ft.) and locker room facilities (417 sq. ft.). This would increase building square footage at the Marshall School by a total of 15,101 sq. ft. A total of 20 additional parking spaces are proposed by modifications to the existing parking lot at the north east side of the campus). Setbacks from the nearest residential uses are expected to exceed 300 feet. Table 2-1 summarizes the changes in permanent classrooms, square footage, student capacity, and parking that would result at the Marshall School after implementation of the proposed project.

**Table 2-1
Permanent Classrooms, Square Footage, Student Capacity, and Parking for the Existing Elementary
(K-5) School and Proposed K-8 School**

| | Permanent Classrooms | Square Footage (sq. ft.) | Student Capacity | Parking Spaces |
|---|-----------------------------|---------------------------------|-------------------------|-----------------------|
| Existing Facilities | 28 | 55,024 sq. ft. | 555 | 68 |
| Facilities after Proposed Improvements | 40 | 70,125 sq. ft. | 900 | 88 |
| % Increase | 42.86% | 27.44% | 62.16% | 29.41% |

The 12-classroom building would be added on the south and west side of the existing school administration building in the area that is currently utilized as playfields and a blacktop play area. The existing soccer field layout would remain but existing hardtop play areas would be relocated to the east of the proposed new building. The new building location maintains the existing fire lane, provides connection to the existing campus, and adds new courtyards spaces. A conceptual site plan is provided as Figure 2-3. Improvements are planned to be architecturally integrated to match the appearance and design features of the existing campus.

Project construction is anticipated to begin during the summer of 2016 and last approximately 18 months. During construction, the project site would be separated from the existing school facilities by temporary construction fencing. Construction workers and vehicles would access the site from the fire road to the west.

2.3 OTHER PUBLIC AGENCIES WHOSE APPROVAL IS REQUIRED

Other public agencies whose approval is required for permits, financing approval, or participation agreement, for example, is as follows:

- California Department of Education;
- California Department of the State Architect;
- California Department of Toxic Substances Control;
- California Geological Survey; and
- City of Oxnard.

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3.0 ENVIRONMENTAL CHECKLIST

3.1 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

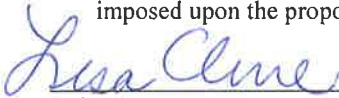
The environmental factors checked would be potentially affected by this project, involving at least one impact that is a “Potentially Significant Impact” as indicated by the checklist on the following pages.

- | | | |
|---|---|---|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Agriculture and Forestry Resources | <input type="checkbox"/> Air Quality |
| <input type="checkbox"/> Biological Resources | <input type="checkbox"/> Cultural Resources | <input type="checkbox"/> Geology/Soils |
| <input type="checkbox"/> Greenhouse Gas Emissions | <input type="checkbox"/> Hazards & Hazardous Materials | <input type="checkbox"/> Hydrology/Water Quality |
| <input type="checkbox"/> Land Use/Planning | <input type="checkbox"/> Mineral Resources | <input type="checkbox"/> Noise |
| <input type="checkbox"/> Population/Housing | <input type="checkbox"/> Public Services | <input type="checkbox"/> Recreation |
| <input type="checkbox"/> Transportation/Traffic | <input type="checkbox"/> Utilities/Service Systems | <input type="checkbox"/> Mandatory Findings of Significance |

3.2 DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a “potentially significant impact” or “potentially significant unless mitigated” impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.



Signature

July 11, 2016

Date

Lisa Cline, Deputy Superintendent

Print Name

3.3 EVALUATION OF ENVIRONMENTAL IMPACTS

- (1) A brief explanation is required for all answers except “no impact” answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A “no impact” answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A “no impact” answer should be explained if it is based on project-specific factors as well as general standards (e.g., the project would not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
- (2) All answers must take account of the whole action involved, including off site as well as on site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
- (3) Once the lead agency has determined that a particular physical impact may occur, the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. “Potentially significant impact” is appropriate if there is substantial evidence that an effect may be significant. If there are one or more “potentially significant impact” entries when the determination is made, an EIR is required.
- (4) “Negative declaration: less than significant with mitigation incorporated” applies when the incorporation of mitigation measures has reduced an effect from a “potentially significant impact” to a “less than significant impact.” The lead agency must describe the mitigation measures and briefly explain how they reduce the effect to a less than significant level.
- (5) Earlier analyses may be used if, pursuant to tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration (Section 15063[c][3][D]). In this case, a brief discussion should identify the following:
 - a. Earlier analysis used. Identify and state where earlier analyses are available for review.
 - b. Impacts adequately addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards and state whether such effects were addressed by mitigation measures based on the earlier analysis.
 - c. Mitigation measures. For effects that are “less than significant with mitigation incorporated,” describe the mitigation measures that were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

For purposes of this Initial Study, the City’s General Plan and Zoning Code Update Final EIR (May 2011) is hereby incorporated by reference.

- (6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, when appropriate, include a reference to the page or pages where the statement is substantiated.
- (7) Supporting information sources. A source list should be attached and other sources used or individuals contacted should be cited in the discussion.

- (8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
- (9) The explanation of each issue should identify:
 - a. The significance criteria or threshold, if any, used to evaluate each question, and
 - b. The mitigation measure identified, if any, to reduce the impact to a less than significant level.
- (10) The proposed Project includes compliance with applicable local, regional, state, and federal laws, regulations, and rules.

3.4 ENVIRONMENTAL IMPACT ANALYSIS

3.4.1 AESTHETICS

| | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|---|--------------------------------|--|------------------------------|-----------|
| Would the project: | | | | |
| a. Have a substantial adverse effect on a scenic vista? | | | X | |
| b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings along a scenic highway? | | | X | |
| c. Substantially degrade the existing visual character or quality of the site and its surroundings? | | | X | |
| d. Create a new source of substantial light or glare that would adversely affect daytime or nighttime views in the area? | | X | | |

Existing Conditions:

Regional

The project area is located along the northwestern edge of the relatively low-lying Oxnard Plain in the City of Oxnard. Prominent visual features within or adjacent to the Oxnard Plain include the Camarillo Hills to the northeast, the Santa Monica Mountains to the southeast, the Pacific Ocean and coastline to the southwest, and the Oxnard/Ventura and Oxnard/Camarillo greenbelts. Visually, the City of Oxnard is characterized by agriculture/open space, low rise commercial, and residential development. The western and southern edges of the city are framed by the Pacific Ocean and agricultural areas in the Oxnard-Ventura Greenbelt. The northern edge is bounded by the Santa Clara River and the northeastern and eastern sides by agricultural land in the Oxnard-Camarillo Greenbelt. Inland views to the foothills and mountain ranges in the Los Padres National Forest and the Santa Monica Mountains are visible from many of the City's north-south and east-west oriented streets (Impact Sciences, Inc. 1997).

Project Site and Immediate Vicinity

The existing 11-acre elementary school campus was developed in 2003 and there are nighttime security lights on the site. The campus is primarily surrounded by single-family residential communities including Victoria Estates to the north and west, and Windsor North River Ridge to the east. The Cabrillo neighborhood is located to the southeast and agriculture land is located to the south. This agricultural land south of Gonzales Road is part of the Oxnard-Ventura Greenbelt. (Matrix Design Group, Inc. 2006) Based on the school's location and surroundings, the buildings are not generally directly visible from mid-range and long range viewing angles.

According to the Caltrans Map of Designated Scenic Routes (Caltrans 2015), there are no official State-designated routes in the project vicinity. However, State Route 1, which runs through the City of Oxnard, is under consideration. State Route 33 in Ventura is the closest officially designated scenic route to the project site, but it is located approximately 20 miles to the north.



Figure 3-1. Image of Existing School Buildings (Google Earth 2015)



Figure 3-2. Design Overview, Thurgood Marshall School Rendering (CSDA 2015)



Figure 3-3. Proposed Courtyard Area (Looking east from Thurgood Marshall Drive) (Google Earth 2015)



Figure 3-4. Design Overview, Courtyard Rendering (CSDA 2015) (Looking west towards Thurgood Marshall Drive)

Discussion:

a. Would the project have a substantial adverse effect on a scenic vista?

Less Than Significant Impact. The site is fairly level and is adjacent to the existing school and nearby residential development. The school building would be constructed as a two-story 12-classroom building with similar design and landscaping as the existing school. Due to its location and being primarily surrounded by residential development, the proposed project would not cause an adverse impact to any scenic vista. Therefore, the project impact would be less than significant.

b. Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

Less Than Significant Impact. The proposed project is not located adjacent to a designated State scenic highway or eligible State scenic highway as identified on the California Scenic Highway Mapping System (Caltrans 2015). The project site is located in a developed residential area, and contains no scenic resources such as unique geologic structures, or historic structures visible from a State scenic highway. Although the Greenbelt Area south of the project site is visible from the school, the new building would not reduce the visibility of that area from Gonzales Road. The existing landscape trees are not expected to be removed or damaged. Therefore, project impact would be less than significant.

c. Would the project substantially degrade the existing visual character or quality of the site and its surroundings?

Less Than Significant Impact. The proposed project is designed to enhance the onsite visual quality and would have an overall beneficial effect on the surrounding visual setting at the site. Since construction of the new two-story building would be on the existing school campus, and the building and landscaping would be consistent with the existing buildings and landscape; the existing visual quality of the project site and surrounding area would not be adversely affected. Project construction activities may be visible from some adjacent uses on a short-term temporary basis. However, since construction would be short-term and would occur within an existing developed campus, the proposed project would result in a less than significant impact on the visual character/quality of the site and surrounding area.

d. Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

Less Than Significant Impact With Mitigation Incorporated. Use of nighttime lighting would be expanded as needed for the parking lot and walkways between and around the buildings, as the school would continue to be used in the evening for community meetings, and periodic evening school activities. As with the existing buildings, the proposed new building will have inside shades that can be closed to help reduce the amount of indoor lighting seen at night. Landscaping and building design would be compatible with the existing school (see Figures 3-1 through 3-4), except that the new building would be two stories instead of one. Single family residences to the north, west, and east of the site are located relatively close together and are characteristic of suburban development with traditional street lighting that contributes to nighttime lights.

The proposed project could represent a new source of light or glare from the windows and additional lighting, which could impact day or nighttime views in the area. The proposed project would include exterior lighting around the buildings and for walkways and parking as needed for adequate safety and security at night. The additional lighting would be in conformance with the City of Oxnard lighting

requirements for reducing light spillage and glare. Furthermore, the project site is located within an area that is already subject to a base level of light and glare due to existing surrounding residential developments and streets. Therefore, with Mitigation Measure AES-1 incorporated into the design, the proposed project would result in a less than significant Impact.

Mitigation Measures:

The following Mitigation Measure shall be implemented:

AES-1 Low impact, fully-shielded lighting shall be used for all nighttime light sources. This includes lamps with visors, hoods, and opaque reflectors to ensure that no unnecessary light is emitted.

3.4.2 AGRICULTURE AND FOREST RESOURCES

| | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|--|--------------------------------|--|------------------------------|-----------|
| Would the project: | | | | |
| a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use? | | | | X |
| b. Conflict with existing zoning for agricultural use or conflict with a Williamson Act contract? | | | | X |
| c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in PRC Section 12220(g)) or timberland (as defined in PRC Section 4526)? | | | | X |
| d. Result in the loss of forest land or conversion of forest land to non-forest use? | | | | X |
| e. Involve other changes in the existing environment that, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use? | | | | X |

Existing Conditions:

The project site is currently developed with a public elementary school. The project site is located within the Northwest Golf Course Community Specific Plan Area and is identified as an elementary school site on the land use concept plan diagram. According to the City’s zoning Map, the project site is zoned C-R, Community Reserve. Ventura County Important Farmland Map 2012 (DOC 2012) prepared by the California Department of Conservation designated the site as urban and built-up land.

There are no agricultural uses or forest land located onsite. The project site is surrounded by residential uses to the north, east and west. Agricultural fields are located adjacent to the project site to the south across West Gonzales Road. Located to the southwest is Oxnard High School and agricultural lands. A residential neighborhood is located to the southeast.

Discussion:

a. Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

No Impact. The project site is currently developed with a public elementary school and there are no agricultural uses located onsite. The project site is not identified as being prime, unique or farmland of statewide importance on the Ventura County Important Farmland Map (2012) prepared by the California Department of Conservation. Therefore, no project impact would result.

b. Would the project conflict with existing zoning for agricultural use or a Williamson Act contract?

No Impact. The project site is developed with an existing public elementary school and there are no agricultural uses located onsite. The proposed project would not conflict with existing zoning for agricultural use. The project site is located within the Northwest Golf Course Community Specific Plan Area and is identified as an elementary school site on the land use concept plan diagram. The project site is zoned C-R, Community Reserve and a public school is allowed as a related use subject to a special use permit. The project site is currently used as a public school and would continue to do so with the proposed project.

The Williamson Act enables local governments to enter into contracts with private landowners for the purpose of restricting specific parcels of land to agricultural or related open space use (DOC 2015). The project site is a public school and not under a Williamson Act Contract. Therefore, no project impact would result.

c. Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in PRC Section 12220(g)) or timberland (as defined in PRC Section 4526)?

No Impact. The proposed project would not conflict with zoning for, or cause rezoning of, forest land or timberland. The project site is located within the Northwest Golf Course Community Specific Plan Area and is identified as an elementary school site on the land use concept plan diagram. The project site is zoned C-R and a public school is allowed as a related use subject to a special use permit. While forestry is also a permitted use in the CR zone (Chapter 16, Article III, SEC. 16-256), the project site is not located within an area containing forest land or timberland. The project site is currently developed with a public school and is designated for school use in the General Plan and Northwest Golf Course Community Specific Plan. Therefore, no project impact on timberland would result.

d. Would the project result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. The project site is currently developed with a public school and the project site would continue to be used as a public school with the proposed project. There is no forest land located on or adjacent to the project site. Therefore, the proposed project would not result in the loss of forest land or conversion of forest land to a non-forest use, and no project impact would result.

e. Would the project involve other changes in the existing environment that, due to their location or nature, could individually or cumulatively result in loss of Farmland to non-agricultural use or conversion of forest land to non-forest use?

No Impact. The project site does not contain agricultural or forestry land and is currently developed with a public school. The proposed project includes compact infill development on the existing school campus to help accommodate the educational needs of students within the OSD. While the proposed project would increase the land use intensity of the site, the site would continue to be used as a public school. No off-site improvements are proposed as part of the project. Therefore, no project impact would result.

Mitigation Measures:

No mitigation required.

3.4.3 AIR QUALITY

| | | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|--------------------|--|--------------------------------|--|------------------------------|-----------|
| Would the project: | | | | | |
| a. | Conflict with or obstruct implementation of the applicable air quality plan? | | | | X |
| b. | Violate any air quality standard or contribute substantially to an existing or projected air quality violation? | | | X | |
| c. | Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is a non-attainment area for an applicable federal or state ambient air quality standard (including releasing emissions that exceed quantitative thresholds for ozone precursors)? | | | X | |
| d. | Expose sensitive receptors to substantial pollutant concentrations? | | | X | |
| e. | Create objectionable odors affecting a substantial number of people? | | | X | |

Existing Conditions:

Pursuant to the Clean Air Act Amendments of 1990, the USEPA has established National Ambient Air Quality Standards (NAAQS) for pollutants considered harmful to public health and the environment. The NAAQS are classified as primary and secondary standards. Primary standards prescribe the maximum permissible concentration in the ambient air and are required to protect public health. Secondary standards specify levels of air quality required to protect public welfare, including materials, soils, vegetation, and wildlife, from any known or anticipated adverse effects. NAAQS are established for six pollutants (known as criteria pollutants): ozone (O₃), particle pollution (i.e., respirable particulate matter less than 10 microns in diameter [PM₁₀] and respirable particulate matter less than 2.5 microns in diameter [PM_{2.5}]), carbon monoxide (CO), nitrogen dioxide (NO₂), sulfur dioxide (SO₂), and lead (Pb). The California Air Resources Board (CARB) has also established its own air quality standards in the state of California, known as the California Ambient Air Quality Standards (CAAQS). The CAAQS are generally more stringent than the NAAQS and include air quality standards for all the criteria pollutants listed under NAAQS plus sulfates (SO₄), hydrogen sulfide (H₂S), vinyl chloride, and visibility-reducing particulate matter.

The USEPA classifies the air quality within an Air Quality Control Region with regard to its attainment of federal primary and secondary NAAQS. According to USEPA guidelines, an area with air quality better than the NAAQS for a specific pollutant is designated as being in attainment for that pollutant. Any area not meeting the NAAQS is classified as a nonattainment area. Where there is a lack of data for the USEPA to make a determination regarding attainment or nonattainment, the area is designated as unclassified and is treated as an attainment area until proven otherwise. Similarly, the CARB makes state area designations for the state criteria pollutants.

The Proposed project is within Ventura County, which is subject to the Ventura County Air Pollution Control District (VCAPCD) regulations. Pollutant concentrations within the Ventura County are assessed relative to both the federal and state ambient air quality standards. Ventura County is in attainment for all federal standards except the 8-hour O₃ standard (U.S. EPA 2015) and all state standards except O₃ and PM₁₀ standards (CARB 2014). Applicable VCAPCD rules are presented in Table 3-1.

**Table 3-1
Applicable Rules**

| Rule | Title |
|-------------|--------------------------------------|
| 10 | Permits Required |
| 51 | Nuisance |
| 55 | Fugitive Dust |
| 55.1 | Paved Roads and Public Unpaved Roads |
| 74.2 | Architectural coatings |
| 74.4 | Cutback Asphalt |

Discussion:

a. Would the project conflict with or obstruct implementation of the applicable air quality plans?

No Impact. In order to pursue improvement of air quality in Ventura County, the VCAPCD prepared the 2007 Air Quality Management Plan (AQMP), which presents comprehensive list of pollution control strategies aimed at attaining Ventura County's federal 8-hour ozone standard as required by the Clean Air Act Amendments of 1990, and the VCAPCD's Triennial Assessment and Plan Update required by the California Clean Air Act of 1988. These strategies are developed in part, based on regional population, housing, and employment projections prepared by the Southern California Association of Governments and reflected in local general plans. A proposed project that is inconsistent with a local general plan is also inconsistent with the AQMP. A proposed project would be inconsistent with a general plan if it resulted in a land use re-designation, causing a general plan amendment and an increase in population beyond what is budgeted. The proposed project site is within the City of Oxnard and located in a land use area designated as School (SCH) within the City of Oxnard's General Plan. Since the land use associated with the proposed project is in accordance with the General Plan, construction of the proposed project is

not expected to result in a violation of the General Plan and the AQMP. Therefore, the proposed project would not conflict with or obstruct implementation of the AQMP and no project impact would result.

b. Would the project violate any air quality standard or contribute substantially to an existing or projected air quality violation?

Less Than Significant Impact. The release of various criteria pollutants would be expected from the construction (short-term) and operation (long-term) activities of the proposed project, which by itself is not expected to generate significant air emissions. Short-term air quality impacts would result from emissions associated with construction activities (e.g., site preparation, site grading, soil importing, construction worker and vendor vehicle trips, operation of construction equipment, asphalt paving, and architectural coating). The construction equipment likely to be used for this project would include air compressors, cement mixers, industrial saws, cranes, forklifts, generator sets, graders, pavers, rollers, dozers, scrapers, backhoes, welders, water trucks, concrete delivery trucks, and pumpers. Emissions from construction activities are calculated using California Emissions Estimator Model (CalEEMod). CalEEMod is widely accepted to provide a uniform platform to estimate potential emissions resulting from construction and operation activities of land use projects. CalEEMod input values and calculated air emission results for the proposed project are included as Appendix A. Table 3-2 presents a summary of the proposed project’s construction air emission results.

**Table 3-2
Project Construction Emissions of Criteria Pollutants (lb/day)**

| Project Phase | CO | VOCs | NOx | SOx | PM₁₀ | PM_{2.5} |
|---------------------------|-----------|-------------|------------|------------|------------------------|-------------------------|
| Construction (2016) | 18.89 | 1.86 | 19.96 | 0.03 | 2.13 | 1.24 |
| Construction (2017) | 18.32 | 47.10 | 18.88 | 0.03 | 1.67 | 1.05 |
| Threshold of Significance | None | None | None | None | None | None |
| Significant? | No | No | No | No | No | No |

Notes: CO carbon monoxide
 lb/day pounds per day
 NOx oxides of nitrogen (nitric oxide and nitrogen dioxide)
 PM₁₀ respirable particulate matter less than 10 microns in diameter
 PM_{2.5} respirable particulate matter less than 2.5 microns in diameter
 SOx oxides of sulfur (sulfur dioxide and sulfur trioxide)
 VOC volatile organic compounds

The results presented in Table 3-2 include implementation of Tier 2 interim engines for all off road construction equipment and watering of exposed areas twice a day. These measures would contribute to the overall reduction of daily emissions of VOCs and NOx, which are highest during grading and architectural activities respectively. Watering exposed areas would contribute to mitigation of fugitive dust. Ventura County does not have specific thresholds of significance for construction-related emissions since construction emissions are temporary and do not contribute to long-term air quality impacts. Therefore, construction emissions would have a less than significant impact on air quality.

Long-term impacts to air quality include emissions resulting from equipment used during operation of the proposed project (e.g., commercial water heaters, boilers, and lawn mowers) and from motor vehicles associated with school employees, student drop-off and pick-up, and vendors. Other activities that would contribute emissions during the operation of the proposed project include upkeep of structures (e.g., reapplication of architectural coatings and patching of paved surfaces). Emissions resulting from operation of the proposed project were calculated using CalEEMod and are summarized in Table 3-3.

Detailed CalEEMod input values and calculated air emission results are included as Appendix A. Emissions resulting from the operation of the proposed project are below the thresholds of significance established by Ventura County to support attainment of federal standards. Therefore, the proposed project would not violate any air quality standard or contribute substantially to an existing or projected air quality violation, and project impact would be less than significant.

**Table 3-3
Project Operation Emissions of Criteria Pollutants (lb/day)**

| Project Phase | CO | VOCs | NOx | SOx | PM ₁₀ | PM _{2.5} |
|---------------------------|-------|------|------|------|------------------|-------------------|
| Operation | 16.44 | 2.32 | 3.79 | 0.03 | 2.54 | 0.71 |
| Threshold of Significance | None | 25 | 25 | None | None | None |
| Significant? | No | No | No | No | No | No |

Notes: CO carbon monoxide
 lb/day pounds per day
 NOx oxides of nitrogen (nitric oxide and nitrogen dioxide)
 PM₁₀ respirable particulate matter less than 10 microns in diameter
 PM_{2.5} respirable particulate matter less than 2.5 microns in diameter
 SOx oxides of sulfur (sulfur dioxide and sulfur trioxide)
 VOC volatile organic compounds

c. Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?

Less Than Significant Impact. The proposed project would result in significant cumulative impacts if it exceeds daily thresholds of significance established by VCAPCD or if it incurred an increase of emissions beyond what is planned in the City of Oxnard General Plan. Since the proposed project's long-term emissions are significantly less than established thresholds of significance and its land use is in accordance with the General Plan of the City of Oxnard, the proposed project would not result in a cumulative considerable net increase of any criteria pollutant for which the region is non-attainment under applicable federal or state ambient air standards. Therefore, the project impact would be less than significant.

d. Would the project expose sensitive receptors to substantial pollutant concentrations?

Less Than Significant Impact. The proposed project would be constructed within the existing Thurgood Marshall Elementary School campus. The project site is surrounded by residential units in the west, north and east sides and by agricultural land in the south end. The proposed project is a public school that qualifies as a sensitive receptor (i.e., a facility serving populations likely to suffer adverse health effects from pollution, such as children and the elderly), and its proposed location is not expected to expose students to sources of substantial pollutant concentrations (e.g., industrial facilities emitting odorous or hazardous substances). During the construction period, construction activities would occur at the same time as the current student population attends classes. Construction activities would generate air emissions from the operation of construction equipment. However, the emissions would be temporary and approximately no less than 40 feet from the nearest classroom, minimizing impact to students and staff. Additionally, the project site would be separated from the existing school facilities by temporary

construction fencing. Construction workers and vehicles would access the site from the fire road to the west. Therefore, the proposed project would have a less than significant impact on sensitive receptors.

e. Would the project create objectionable odors affecting a substantial number of people?

Less Than Significant Impact. Construction and operation of the proposed project is not anticipated to create long-term objectionable odors, and sources of objectionable odors are not identified near the proposed project site. Objectionable odors may result from combustion gases exiting the exhaust pipes of construction equipment and construction worker vehicles. However, a buffer of approximately 40 feet would separate the construction site from the nearest classroom, minimizing impact to students and staff. Additionally, the project site would be separated from the existing school facilities by temporary construction fencing. Construction workers and vehicles would access the site from the fire road to the west. Therefore, the proposed project would have less than significant impacts related to objectionable odors.

Mitigation Measures:

Mitigation measures are not required to reduce emissions to below thresholds of significance. Standard best management practices (BMPs) such as dust mitigation measures similar to what is required under VCAPCD Rule 55 were taken into consideration in performing construction emissions calculations. Similarly, BMPs such as continued implementation of a school bus program and use of water efficient fixtures were considered in performing operational emissions calculations. Detailed CalEEMod input values including those mentioned above are presented in Appendix A.

3.4.4 BIOLOGICAL RESOURCES

| | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|--------------------|---|--|------------------------------|-----------|
| Would the project: | | | | |
| a. | Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service? | X | | |
| b. | Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service? | | | X |
| c. | Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marshes, vernal pools, coastal wetlands, etc.) through direct removal, filling, hydrological interruption, or other means? | | | X |
| d. | Interfere substantially with the movement of any native resident or migratory fish or wildlife species, or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites? | | X | |
| e. | Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? | X | | |
| f. | Conflict with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan? | | | X |

Existing Conditions:

The project site is currently developed with a public school and has disturbed land consisting of non-native grasses and ornamental shrubs and trees. The Santa Clara River Estuary is located one mile to the north of the site. Barriers between the project site and the Santa Clara River include roads, residential developments, and the River Ridge Golf Club.

A query of the California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDDB) was conducted to determine the known locations of any special-status species (sensitive, threatened, endangered, rare, or candidate species) within the project area (CDFW 2015).

A general survey was conducted of the project site on December 29, 2015 to assess the biological resources at the site. Wildlife species observed within the project site were common, year-round bird species. These included American crows (*Corvus brachyrhynchos*), pigeons (*Columba livia*), house finches (*Carpodacus mexicanus*), song sparrows (*Melospiza melodia*), killdeer (*Charadrius vociferus*), and European starlings (*Sturnus vulgaris*). Overhead transient species that did not stop within the project site included Canadian geese (*Branta canadensis*), western gulls (*Larus occidentalis*), and one red tailed hawk (*Buteo jamaicensis*). No other wildlife was observed during the site visit.

Discussion:

a. Would the project have a substantial adverse impact, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service?

Less than significant with Mitigation Incorporated. Table 3-4 lists the special-status species that have been previously observed within the Oxnard U.S. Geological Survey (USGS) 7 1/2-minute quadrangle according to the results of the CNDDDB search and may occur at the project site (CDFW 2015). None of the species listed in Table 3-4 have been previously observed within the project site. Species from the CNDDDB search for which there is no potential habitat at the site (for example, species that inhabit streams) have not been included within Table 3-4.

**Table 3-4
Special-Status Species that Could Occur within Thurgood Marshall Project Site**

| Common Name | Scientific Name | Status | Nearest Location |
|---|---------------------------------|---------------|-------------------------|
| Bank swallow | <i>Riparia riparia</i> | ST | Within 3 miles |
| Burrowing owl | <i>Athene cunicularia</i> | SSC | Within 3 miles |
| Coast horned lizard | <i>Phrynosoma blainvillii</i> | SSC | Within 1.5 miles |
| Least Bell's vireo | <i>Vireo bellii pusillus</i> | FE, SE, FP | Within 1.5 miles |
| Monarch - California overwintering population | <i>Danaus plexippus</i> | CNDDDB | Within 3 miles |
| Pallid bat | <i>Antrozous pallidus</i> | SSC | Within 5 miles |
| Silvery legless lizard | <i>Anniella pulchra pulchra</i> | SSC | Within 2.5 miles |
| Western pond turtle | <i>Emys marmorata</i> | SSC | Within 1 mile |

Note: Results are from the CNDDDB. Nearest locations are approximate.

Status: SSC=California Department of Fish and Wildlife Species of Special Concern.

CNDDDB=Species tracked by CNDDDB

FT=Federally threatened.

FE=Federally endangered.

ST=State threatened.

SE=State endangered.

FP=State Fully Protected

1B=California Native Plant Society List 1B=Plants that are rare or endangered in California and elsewhere.

No special-status plant or wildlife species were observed during the December 29, 2015 survey. Due to the highly developed nature of the site and the lack of native habitat on-site, it is unlikely that any special-status species would occur on-site. Additional analysis on the species listed in Table 3-4 is provided below.

Wildlife

The bank swallow (*Riparia riparia*) has been previously reported at the mouth of the Santa Clarita River approximately three miles west of the project site. The bank swallow typically lives in riparian and coastal areas. They nest in burrows in bluffs, banks, and man-made sites such as road cuts. Based on the habitat requirements of bank swallow, it is highly unlikely any would nest at the project site, however, it is possible that they could use the project site for foraging.

The burrowing owl (*Athene cunicularia*) has been previously reported at a location approximately three miles west of the project site. The burrowing owl can inhabit a range of habitats, but typically prefers habitats with low-growing vegetation, including grasslands and scrublands. This species constructs burrow sites within grassland habitat with low-growing vegetation. The project site and surrounding

areas are highly disturbed and, with the site's lack of native vegetation and absence of burrows during the site visit, burrowing owls are highly unlikely to occur on site.

The coast horned lizard (*Phrynosoma blainvillii*) has been found approximately 1.5 miles north of the project site. The coast horned lizard can be found in a variety of habitats, although it is most common in lowlands along sandy washes with scattered low bushes. Given the lack of native habitat and the heavily disturbed nature of the site, this species is highly unlikely to occur at the project site.

The least Bell's vireo (*Vireo bellii pusillus*) has been previously located approximately 1.5 miles north of the project site. The least Bell's vireo occurs in lowland riparian habitats. Due to the lack of riparian habitat and foraging locations on the site, it is highly unlikely that least Bell's vireo would occur at the project site.

Monarch butterflies (*Danaus plexippus*) have been found at a location approximately three miles northwest of the project site. This species roosts in wind-protected tree groves of eucalyptus, Monterey pine, and cypress. While the project site does contain trees, it does not contain the species that commonly support roosting. Therefore, roosting habitat for Monarch butterflies is not present within the project site.

The pallid bat (*Antrozous pallidus*) has been previously documented approximately five miles northwest of the project site. The pallid bat occupies a wide variety of habitats, although it is most common in open, dry habitats with rocky areas for roosting. There is no adequate areas for roosting on the project site, making it highly unlikely that the pallid bat would roost at the project site. Since the pallid bat forages one to three miles from its roost, it is also highly unlikely that the pallid bat would forage at the project site.

The silvery legless lizard (*Anniella pulchra pulchra*) has been previously found 2.5 miles southwest of the project site. The silvery legless lizard occurs primarily in areas with sandy or loose soils, typically in coastal regions. Due to the lack of adequate habitat within the project site, the silvery legless lizard is highly unlikely to occur at the project site.

The western pond turtle (*Emys marmorata*) has been previously found within the Santa Clarita River approximately one mile north of the project site. The western pond turtle is highly unlikely to occur at the project site due to the lack of permanent water or nearly permanent water bodies on-site.

Vegetation at the project site may provide habitat for nesting birds protected under the Migratory Bird Act and Mitigation Measure BIO-1 has been identified to reduce project impact to less than significant. When possible, removal of vegetation should be avoided during the nesting season (February 15-September 1). If the disturbance or removal of vegetation occurs during the nesting bird season (February 15-September 1), clearance surveys will be conducted by a qualified biologist. Surveys must be conducted within two weeks prior to ground disturbance. If nesting birds are found, the biologist will establish an appropriate buffer within which no work will occur, or work must halt until the nest is determined by the biologist to be inactive.

Plants

The CNDDDB search found the following four special-status plant species that have been previously recorded within a five mile radius of the project site: Ventura marsh milk-vetch (*Astragalus pycnostachyus* var. *lanosissimus*), Davidson's saltscale (*Atriplex serenana* var. *davidsonii*), salt marsh bird's beak (*Chloropyron maritimum* ssp. *maritimum*), and Orcutt's pincushion (*Chaenactis glabriuscula* var. *orcuttiana*). However, based on the habitat requirements for these species, there is no possibility of

their occurrence of the project site. For example, salt marsh bird's-beak occurs in coastal salt marshes, which are not present at the project site. Additionally, none of the species were observed during the site visit. Given the lack of habitat for these species and the results of the survey, they do not occur at the project site.

b. Would the project have a substantial adverse impact on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service?

No Impact. The CNDDDB search indicated that southern riparian scrub, southern coastal salt marsh, and coastal and valley freshwater marsh habitats are present within the Oxnard USGS quadrangle. However, these habitats are not present within the project site. In addition, no riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or protected by the CDFW or U.S. Fish and Wildlife Service is present within the project site. Therefore, the proposed project would not impact these resources.

c. Would the project have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marshes, vernal pools, coastal wetlands, etc.) through direct removal, filling, hydrological interruption, or other means?

No Impact. The CNDDDB search indicated that southern coastal salt marsh and coastal and valley freshwater marsh habitats are present within the Oxnard USGS quadrangle. However, no wetlands were observed at the site and no impacts on these resources would occur from the proposed project.

d. Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species, or with established native resident or migratory wildlife corridors, or impede the use of wildlife nursery sites?

Less than significant. Due to the lack of native habitat at the site, and the developed and disturbed nature of the surrounding area, the site is unlikely to be used as a wildlife corridor or wildlife nursery site. Therefore, the proposed project would have a less than significant impact on the movement of any native wildlife species, established native resident or migratory wildlife corridors, or the use of native wildlife nursery sites.

e. Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

Less Than Significant With Mitigation Incorporated. This project will not conflict with any local policies or ordinances that protect biological resources. Additionally, no tree preservation policy is applicable to the project site. When possible, tree removal should be avoided during the nesting season (February 15-September 1). If the disturbance or removal of trees occurs during the nesting bird season, clearance surveys will be conducted by a qualified biologist. Surveys must be conducted within two weeks prior to tree disturbance or removal. If nesting birds are found, the biologist will establish an appropriate buffer within which no work will occur, or work must halt until the nest is determined by the biologist to be inactive. With incorporation of Mitigation Measure BIO-2, project impact would be less than significant.

f. Would the project conflict with the provisions of an adopted habitat conservation plan, natural communities conservation plan, or any other approved local, regional, or state habitat conservation plan?

No Impact. The proposed project site is not included in any state, regional, or local habitat conservation plans. Therefore, no project impacts would result.

Mitigation Measures:

The following Mitigation Measures shall be implemented:

BIO-1: When possible, removal of vegetation should be avoided during the nesting season (February 15-September 1). If the disturbance or removal of vegetation occurs during the nesting bird season, clearance surveys will be conducted by a qualified biologist. Surveys must be conducted within two weeks prior to ground disturbance. If nesting birds are found, the biologist will establish an appropriate buffer within which no work will occur, or work must halt until the nest is determined by the biologist to be inactive.

BIO-2: When possible, tree removal should be avoided during the nesting season (February 15-September 1). If the disturbance or removal of trees occurs during the nesting bird season, clearance surveys will be conducted by a qualified biologist. Surveys must be conducted within two weeks prior to tree disturbance or removal. If nesting birds are found, the biologist will establish an appropriate buffer within which no work will occur, or work must halt until the nest is determined by the biologist to be inactive.

3.4.5 CULTURAL RESOURCES

| | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|--|--------------------------------|--|------------------------------|-----------|
| Would the project: | | | | |
| a. Cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5? | | | | X |
| b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5? | | X | | |
| c. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? | | X | | |
| d. Disturb any human remains, including those interred outside of formal cemeteries? | | | X | |

Existing Conditions

The project site is currently developed with a public elementary school. Agriculture activities were previously conducted in the area where the school site is located. Additional ground disturbance occurred during grading for the existing elementary school that was developed in 2003. Therefore, a recent archeological survey was not conducted since the proposed building site is currently utilized as playfields and a blacktop play area; hence, the native ground surface is not visible.

A cultural resources record and literature search was conducted for the project Area of Potential Effect (APE) and a one-mile radius (study area) at the South Central Coastal Information Center (SCCIC) of the California Historical Resources Information System at California State University, Fullerton, California (IC File Number 15844-1889). In addition, a sacred lands file search was conducted by the Native American Heritage Commission (NAHC). Outreach letters regarding the project were sent to the Native American individuals and organizations in February and March 2016, as recommended by the NAHC. No California Register of Historical Resources (CRHR) eligible or previously recorded resources were identified within the Project Area of Potential Affect (APE). The project APE has been extensively altered by previous ground disturbance.

Discussion

a. Would the project cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5?

No Impact. Section 15064.5(a) (3) of the CEQA Guidelines defines a “historical resource” as a resource that meets one or more of the following criteria:

- Listed in, or determined eligible for listing in, the California Register of Historical Resources (CRHR); or
- A resource listed in a local register of historical resources, as defined in Section 5020.1(k) of the Public Resources Code (PRC); or
- Identified as significant in an historical resource survey meeting the requirements of Section 5024.1(g) of the PRC; or
- Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California that may be considered to be an historical resource, provided the lead agency's determination is supported by substantial evidence in light of the whole record.

Generally, a resource shall be considered by the lead agency to be "historically significant" if the resource meets the criteria for listing on the California Register of Historical Resources (PRC, § 5024.1, Title 14 California Code of Regulation [CCR], Section 4852) including the following:

- An association with events that have made a significant contribution to the broad patterns of local or regional history, or the cultural heritage of California or the United States.
- An association with the lives of persons important to local, California, or national history.
- An embodiment of the distinctive characteristics of a type, period, region, or method of construction, or a representation of the work of a master, or possesses high artistic values.
- A resource that has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

The proposed project would not cause a substantial adverse change in the significance of a historical resource defined in Section 15064.5 of the CEQA guidelines. The APE does not contain any known historic resources based on archival research conducted for the APE (see item [b] below). Therefore, the proposed project would not cause a substantial adverse change in the significance of an historical resource and no project impact would result.

b. Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?

Less than Significant with Mitigation Incorporated. On December 9, 2015, a literature and records search was conducted of the cultural resource site and project file collection at the SCCIC of the California Historical Resources Information System at California State University, Fullerton, California (IC File Number 15844-1889) (Appendix B). As part of the record search, the SCCIC database of survey reports and overviews, documented cultural resources, cultural landscapes, and ethnic resources was

consulted. Additionally, the search included a review of the following publications and lists: California Office of Historical Preservation (OHP) Historic Properties Directory/National Register of Historic Properties, OHP Archaeological Determinations of Eligibility, California Inventory of Historical Resources/California Register of Historic Resources, *California Points of Historical Interest*, *California Historical Landmarks*, Caltrans Bridge Survey, ethnographic information, historical literature, historical maps, and local historic resource inventories. The record search focused specifically on the proposed project site, APE and the project study area, a one-mile buffer around the APE. The records search revealed that a total of 22 previous cultural resources investigations have been conducted within the project study area. Of these surveys, only three investigations (VN-236, VN-1578 and VN-2465) have been conducted adjacent to the proposed project's APE. One CRHR and NRHP eligible historic district, the Leonard Ranch Historic District (SCCIC primary number 56-152764) was identified over a half mile to the northwest of the project's APE. The Leonardo Ranch Historic District is also listed in the Oxnard General Plan as a designated historic district consisting of 3.45 acres containing ranch buildings: a ranch house, the Main Residence, and a Cook's Cabin. The historic map review illustrated the project APE as an orchard (1941 USGS 7.5' Oxnard California Topographic map). Review of historic plat maps and USGS quadrangle maps did not identify any potential structures or features within the project APE. No previous investigation or archaeological sites or historic resources are recorded within the project's APE.

No previous investigation or archaeological sites or historic resources as defined by the CEQA Guidelines are recorded within the project's APE.

Tribal Cultural Resources:

Under CEQA, Assembly Bill (AB) 52 requires a lead agency to evaluate a project's potential to impact "tribal cultural resources." In addition, AB 52 requires the lead agency to consult with any California Native American tribe that has previously requested that the lead agency provide the tribe with notice of such projects and consultation, and is traditionally and culturally affiliated with the geographic area of a proposed project. Consultations must include discussing the type of environmental review necessary, the significance of tribal cultural resources, and the significance of the project's impacts on the tribal cultural resources (as applicable), and alternatives and mitigation measures recommended by the tribe. That consultation must take place prior to the determination of whether a negative declaration, mitigated negative declaration, or environmental impact report is required for a project. Pursuant to State requirements, Native American consultations should be initiated early in the planning process and should be conducted by the lead State/public agency, if agency consultation has been requested by a California Native American tribe (per Assembly Bill 52, PRC 210803, Section 1.2).

On January 13, 2016, the Native American Heritage Commission (NAHC) was contacted to request a Sacred Lands file search. The NAHC responded on January 27, 2016 that no Native American cultural resources were identified by their search as being within the proposed project study area (Appendix C). A list of 11 Native American contacts was also provided.

A project outreach letter was sent to each of the individuals listed by the NAHC in February and March 2016. The letter provided information regarding the project and a request regarding any known cultural resources in the project study area. The outreach letters are for informational purposes only and do not take the place of formal consultation under AB 52 between the lead agency and tribes. Outreach to these contacts and meaningful discussions may reveal tribal cultural resources that could be impacted by the proposed project, or provide community concerns regarding the project's treatment of cultural resources.

Ms. Isabel Ayala, representative of the Coastal Band of the Chumash Nation, responded on February 19, 2016. Ms. Ayala noted that the protection of tribal resources is extremely important to the tribe. She noted

that at this time, the tribe does not have any concerns regarding the proposed project, but requested continued communication and any notices regarding the project to be sent to her in order for the tribe to monitor the progress. Mr. Romero, representative of the Santa Ynez Band of Mission Indians, responded by email on March 11, 2016 and asked if local tribes have been contacted regarding the project. Tetra Tech responded by email that the NAHC had provided a list of Native American tribes in Ventura County for the project and that all the tribes/individuals listed were contacted. To date, no additional comments have been received.

As a result of the background research, the following resource sensitivity levels have been assigned to the project APE:

- Prehistoric Archaeological Resources: Low-Medium
- Historic Archaeological Resources: Low
- Historic Resources (Built Environment): Low

These sensitivity assignments are supported by the research and literature search presented in impact discussions (a) and (b) above. Sensitivity levels are determined by the extent of prior survey coverage, the patterning and density of cultural resources within the project study area, indications of structures on historic maps, and an understanding of prehistoric and historic land use. The Santa Clara River is approximately 0.80-miles north of the project APE. The river and surrounding area would have been a resource for prehistoric people. In addition, the study area was historically used for agriculture and the project APE was used as an agricultural field, potentially resulting in the existence of historic features associated with past agriculture use (e.g. outbuilding foundation, refuse deposit). Hence, there may be a potential for subsurface cultural resources.

The existing school campus including the proposed new building site has undergone extensive ground disturbance. Agriculture activities were previously conducted in the area where the school site is located. Additional ground disturbance occurred during grading for the existing elementary school. Based on geotechnical studies of the project site, the depth of previous ground disturbance that occurred in the area of the new proposed two-story classroom building varies from 1.5 feet to three feet in depth (CTE, South, Inc. 2015). The proposed building site is currently utilized as playfields and a blacktop play area. The native ground surface is, therefore, not visible.

The project APE has been altered by previous ground disturbance. The depth of that ground disturbance ranges from 1.5 feet to three feet. Proposed construction activities below that depth could encounter undisturbed native soils that may contain cultural resources. Therefore, in order to reduce the potential for significant effects to unidentified archaeological resources under CEQA, the following mitigation measures shall be implemented and adhered to prior to and during any ground disturbance within native soils. With incorporation of Mitigation Measures CR-1 through CR-3 listed below, these significant effects on archaeological resources as a result of project construction would be reduced to less than significant.

c. Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less than Significant Impact with Mitigation. Native soils containing paleontological resources could potentially be disturbed if ground disturbing construction activities extend into native soils. The proposed

project could potentially cause a substantial adverse change in significance to a paleontological resource, but incorporation of the following Mitigation Measure CR-4 would reduce the potential impact on paleontological resources to less than significant.

d. Would the project disturb any human remains, including those interred outside of formal cemeteries?

Less than Significant Impact. Results of the SCCIC records search and NAHC Sacred Lands File search did not identify any prehistoric resources within the project APE. However, ground disturbance within native soils may contain unanticipated cultural material.

Existing regulations require that if human remains and/or cultural items defined by the Health and Safety Code, Section 7050.5, are inadvertently discovered, all work in the vicinity of the find would cease and the Ventura County Coroner would be contacted immediately. If the remains are found to be Native American as defined by Health and Safety Code, Section 7050.5, the coroner will contact the NAHC by telephone within 24 hours. The NAHC shall immediately notify the person it believes to be the Most Likely Descendant (MLD) as stipulated by California PRC, Section 5097.98. The MLD(s), with the permission of the landowner and/or authorized representative, shall inspect the site of the discovered remains and recommend treatment regarding the remains and any associated grave goods. The MLD shall complete their inspection and make their recommendations within 48 hours of notification by the NAHC. Any discovery of human remains would be treated in accordance with Section 5097.98 of the Public Resources Code (PRC) and Section 7050.5 of the Health and Safety Code. Therefore, with compliance with existing regulations, project impact would be less than significant.

Mitigation Measures:

The following Mitigation Measures shall be implemented:

CR-1: Worker Education/Training—Prior to any ground disturbing activities within the project APE, all project personnel will be briefed by a qualified project archaeologist (retained on-call for the project by the applicant) about the potential and procedures for the inadvertent discovery of prehistoric and historic archaeological resources. The training will include procedures for temporarily halting or redirecting work in the event of a discovery, identification and evaluation procedures, and a discussion on the importance of, and the legal basis for, the protection of archaeological resources. Personnel will be also be provided with a handout regarding identification of cultural resources and protocols for reporting finds.

CR-2: Inadvertent Discoveries of Archaeological Resources— If the construction staff or others observe previously unidentified archaeological resources during ground disturbing activities, they will halt work within a 200-foot radius of the find(s), delineate the area of the find with flagging tape or rope (may also include dirt spoils from the find area), and immediately notify the qualified project Archaeologist (retained on-call by applicant). Construction will halt within the flagged or roped-off area. The Archaeologist will assess the resource as soon as possible and determine appropriate next steps in coordination with OSD. Such finds will be formally recorded and evaluated. The resource will be protected from further disturbance or looting pending evaluation.

CR-3: Archaeological Monitoring— If proposed project construction ground disturbing activities will reach depths containing undisturbed native soils (areas below 1.5 feet), a qualified archaeological monitor and Native American monitor (if requested) will be present on-site during ground disturbing activities. A cultural resource monitoring and inadvertent discovery plan that outlines protocols and procedures will be

developed prior to any construction (including grading) of the project APE by the qualified on-call Archaeologist (see CR-1). If any cultural resources are identified by the monitor(s) during ground disturbing activities, the resource will be treated as an inadvertent discovery and the protocols outlined in the monitoring plan will be followed. If requested by interested Tribes, a Native American monitor will also be present during construction ground disturbing activities.

CR-4: Inadvertent Discoveries of Paleontological Resources— If the construction staff or others observe previously unidentified paleontological resources during ground disturbing activities, they will halt work within a 200-foot radius of the find(s), delineate the area of the find with flagging tape or rope (may also include dirt spoils from the find area), and immediately notify a qualified Paleontologist (retained on-call by the applicant). Construction will halt within the flagged or roped-off area. The Paleontologist will assess the resource as soon as possible and determine appropriate next steps in coordination with OSD. Such finds will be formally recorded and evaluated. The resource will be protected from further disturbance or looting pending evaluation.

3.4.6 GEOLOGY AND SOILS

| | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|---|--------------------------------|--|------------------------------|-----------|
| Would the project: | | | | |
| a. Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving: | | | | |
| i.) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the state geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. | | | X | |
| ii.) Strong seismic ground shaking? | | X | | |
| iii.) Seismic-related ground failure, including liquefaction? | | X | | |
| iv.) Landslides? | | | X | |
| b. Result in substantial soil erosion or the loss of topsoil? | | X | | |
| c. Be located on a geologic unit or soil that is unstable or that would become unstable as a result of the project and potentially result in an onsite or offsite landslide, lateral spreading, subsidence, liquefaction, or collapse? | | X | | |
| d. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property? | | | X | |
| e. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems in areas where sewers are not available for the disposal of wastewater? | | | | X |

Existing Conditions:

The site is located on the Oxnard Plain of the central Ventura Basin within the Western Transverse Ranges geomorphic province of California. The Transverse Ranges Province is a series of ranges and intervening valleys that extends for 325 miles "directly across the structural grain of California" (Oakeshott 1978). The province extends from Point Arguello and San Miguel Island eastward to the Pinto and Eagle Mountains which end in the Mojave and Colorado Deserts respectively. The province ranges in width from 10 to 50 miles. The narrowest points are at the western extreme in the Santa Ynez Mountains and at the Cajon Pass which separates the San Gabriel and San Bernardino Mountains. The province's broadest point is the distance from the Santa Monica coast, across the Santa Monica, Topatopa and Pine Mountains, to the Tehachapi Mountains.

The Ventura Basin is large synclinal structure situated between the Santa Ynez Range and Topa Mountains on the north, the Channel Islands and Santa Monica Mountains on the south, the San Gabriel Fault on the east, and extending to the western end of the Santa Barbara Channel (Norris and Webb 1990). Structure in the Oxnard Plain is characterized by a series of broadly folded west-trending and east-northeast-trending anticlines and synclines associated with thrust and reverse faults that formed in the Saugus Formation and may have also deformed the overlying older alluvium (Department of Conservation, California Geological Survey [CGS] 2002).

Based on the Geologic Map of the Oxnard 7.5' Quadrangle, Ventura County, California the project site is underlain by Holocene alluvial fan deposit composed predominantly of clay with interbeds of sand and occasional gravel (Clahan 2003).

The proposed development is located at approximate elevations 50 to 55 feet above mean sea level. Based on review of the groundwater map presented in the *Seismic Hazard Zone Report for the Oxnard Quadrangle, Ventura County, California; Seismic Hazard Zone Report 052* (Plate 1.2) (CGS 2002), the historic high groundwater level is approximately 10 feet below ground surface. Fluctuations of the groundwater level should be anticipated, including higher groundwater during the rainy season.

The Ventura County General Plan Hazard Appendix (County of Ventura 2013) indicates that even though the historic record indicates that no strong earthquakes or surface displacement have occurred along the faults in southern Ventura County in the Site area, the likelihood of the occurrence of one or more of such events within the next 50 to 100 years is not remote. The earthquake faults located nearest to the Site are the Oak Ridge Fault, located approximately 2.1 km (1.3 miles) north of the Site, the Ventura-Pitas Point Fault, located approximately 4.3 km (2.5 miles) north of the Site, the Wright Road Fault, located approximately 6.7 km (4 miles) east of the Site, the Springville Fault, located approximately 7.6 km (4.5 miles) east of the Site, and the Camarillo Fault located approximately 11 km (6.85 miles) east of the Site (Tetra Tech 2015). The San Fernando Earthquake of 1971 occurred along a fault having little historic record of activity. Several of the faults within the south half of the County, such as Santa Susana and San Cayetano, are subject to similar tectonic forces as those that caused the San Fernando Earthquake. Crustal deformation (shortening) resulting in earthquakes will continue into the indefinite future. It is probable that earthquakes of magnitude 6 or larger will occur in the south half of the County area.

According to the "Geology and Mineral Resources Study of Southern Ventura County" (1972) prepared by the State Division of Mines and Geology in cooperation with the Ventura County Department of Public Works, the earthquake history of the south half of the county is dominated by small to moderate shocks. No earthquake greater than magnitude 4.7 has been recorded in Ventura County, or the immediate offshore area, since 1934, when adequate instrumental records became available. These relatively minor shocks have caused local damage but no recorded loss of life. A review of the earlier less accurate record

from 1769 to 1934 suggests a similar history for the south half, although there were significant earthquakes in 1812, 1857, 1925, 1971, and 1994 that caused structural damage in specific areas of the south half of the County (County of Ventura 2013).

Discussion:

a. Would the project expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:

- i.) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the state geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.**

Less Than Significant Impact. A Preliminary Geotechnical and Geological Investigation was performed for the Project by CTE, South, Inc. (CTE) in accordance with California law, including Sections 17212 and 17212.5 of the California Education Code (CEC), the 2013 Edition of the California Building Code (CBC) (California Building Standards Commission [CBSC] 2013) as described in California Code of Regulations (CCR) Title 24, and California Department of Conservation, California Geological Survey (CGS) Note 48 (*Checklist for the Review of Engineering Geology and Seismology Reports for California Public Schools, Hospitals, and Essential Services Buildings* (CGS 2013) (CTE, South, Inc. 2015). The CTE Preliminary Geotechnical and Geological Investigation is included in Appendix D. The CTE Preliminary Geotechnical and Geological Investigation concluded that:

“Based on our site reconnaissance and review of the referenced literature, the site is not within a State of California-designated Alquist-Priolo Earthquake Fault Studies Zone, and no known active fault traces underlie or project toward the site. According to the California Geological Survey (CGS 2002), a fault is active if it displays evidence of activity in the last 11,000 years. Therefore, the potential for surface rupture from displacement or fault movement beneath the proposed improvements is considered low.”

Therefore, project impact would be less than significant.

- ii.) Strong seismic ground shaking?**

Less Than Significant Impact with Mitigation Incorporated. The Ventura County General Plan Hazard Appendix (County of Ventura 2013) indicates that even though the historic record indicates that no strong earthquakes or surface displacement have occurred along the faults in southern Ventura County in the Site area, the likelihood of the occurrence of one or more of such events within the next 50 to 100 years is not remote. The project site is likely to be subjected to strong ground shaking associated with earthquakes generated on nearby and distant faults.

Due to the proximity of the project site to the Simi-Santa Rosa Fault, Pita Point-Ventura Fault and the Oak Ridge Fault, near field effects from strong ground motion associated with a large earthquake along these faults may occur at the Site. Based on the information available in, Appendix A of the *California Probabilistic Seismic Hazard Maps* (CGS 2003) a 7.0 Maximum Moment Magnitude (M) earthquake may occur on the nearby Simi-Santa Rosa Fault and Oak Ridge (onshore) Fault, and a 6.9 M on the Pitas Point-Ventura Fault. Large earthquakes could occur on other faults in the general area, but because of their greater distance and/or lower probability of occurrence, they are less important to the site from a seismic shaking standpoint.

The project site is located in an area with a potential for strong ground motion during earthquakes. The Site is located in an area underlain by unconsolidated Holocene deposits, which are considered to be potentially hazardous with respect to ground motion potential. Because the mapped 1-second spectral response period (S_1) for the Project site is 1.071g, which is greater than 0.75g, in accordance with Section 1616A.1.3 the 2013 CBC; a site specific ground motion hazard analysis was performed by CTE in accordance with *Standard 7-05, Minimum Design Loads for Buildings and other Structures* (ASCE 7-10) (ASCE 2013) Chapter 21 as modified by Section 1803A.6 of the 2013 CBC (CTE 2015).

Mitigation measure GEO-1 requires that the building design for structures at the Project use geotechnical building design recommendations that are based on a site specific ground motion hazard analysis for the Project site in accordance with ASCE 7-10 (ASCE 2013) Chapter 21 as modified by Section 1803A.6 of the 2013 CBC. The site specific ground motion hazard analysis and geotechnical building design recommendations shall be approved by the California Geological Survey (CGS) and the Department of the State Architect (DSA). With the implementation of Mitigation Measure GEO-1; the project would have a less than significant impact.

iii.) Seismic-related ground failure, including liquefaction?

Less Than Significant Impact with Mitigation Incorporated. Generally, there is a potential for liquefaction when the following three conditions are met: (1) a site is located on Holocene age, unconsolidated, coarse-grained sediments; (2) the site is in area of potentially strong ground motion; and (3) groundwater is less than 50 feet below ground surface (bgs). The *Seismic Hazards Zone Report for the Oxnard 7.5-Minute Quadrangle, Ventura County California* (CGS 2002) (Seismic Hazards Zone Report), *State of California Seismic Hazard Zones Oxnard Quadrangle, Revised Official Map* (CGS 2002), and Figure 2.4b of the *Ventura County General Plan, Hazards Appendix* (County of Ventura 2013) indicates that the Site is located in a recognized geological hazard zone for earthquake induced liquefaction. The findings in these data are based on the assumptions that the Site area is underlain by coarse grained Holocene age sediments, which are generally considered have a significant liquefaction potential, and because the depth to groundwater for the Site area is estimated to be less than 50 feet bgs. Plate 1.2 of the Seismic Hazards Zone Report indicates that the historically high groundwater for the Project site is between 5 and 10 feet bgs, which is much shallower than the 50 feet bgs depth used as the maximum depth criterion for potentially liquefiable conditions.

CTE evaluated the liquefaction potential at the Site in accordance with the 2013 CBC (CBSC 2013) and the methods in the *Guidelines for Evaluating and Mitigating Seismic Hazards in California, Special Publication 117A* (CGS 2008). CTE concluded that considering the soil types and groundwater conditions at the Site, there is a potential for liquefaction to occur. If liquefaction were to occur at the site, the repercussions would likely be in the form of dynamic settlement; loss of soil bearing strength and lateral spreading are not anticipated (CTE 2015).

CTE evaluated the potential effects of liquefaction using data from borings. Applying the Site Specific PGA of 0.997g, the earthquake modal magnitude of 7.04 for a soil type S_D (stiff soil profile), and an assumed groundwater level of 10 feet bgs, CTE concluded that under these conditions, liquefaction would occur below a depth of approximately 10 feet below existing grades in discontinuous soil layers. Total liquefaction settlements are estimated to be approximately 1.65 and 2.33 inches (CTE 2015).

Mitigation Measure GEO-2 requires that the building design for structures at the Project use geotechnical building design recommendations that are based on a site specific evaluation of the liquefaction potential performed in accordance with the 2013 CBC (CBSC 2013) and the methods in the *Guidelines for Evaluating and Mitigating Seismic Hazards in California, Special Publication 117A* (CGS 2008). The

site specific liquefaction potential analysis and geotechnical building design recommendations shall be approved by the CGS and the DSA. With the implementation of Mitigation Measure GEO-2; the project would have a less than significant impact.

iv.) Landslides?

Less Than Significant Impact. A review of the CGS Seismic Hazards Map for the 7.5 Minute Series Oxnard Quadrangle (CGS 2002), Figure 2.7.1b of the *Ventura County General Plan, Hazards Appendix* (County of Ventura 2013), and Section 6.2.2 of the *City of Oxnard General Plan Draft Background Report* (City of Oxnard 2006) indicates that the Site is not in an area prone to landslides and slope instability. The CTE report indicates that land sliding is not a significant geologic hazard for the project site (CTE 2015). Therefore, project impact would be less than significant.

b. Would the project result in substantial soil erosion or the loss of topsoil?

Less Than Significant With Mitigation Incorporated. Soil erosion would potentially occur during construction activities, including site grading, structure assembly, and utility extension. With the implementation of Mitigation Measure GEO-3, this impact would be reduced to a less than significant level with standard erosion mitigation measures, including the use of hay bales and other erosion control devices as determined by site-specific conditions, limiting construction to the dry season, soil wetting, and adherence to applicable regulatory guidelines and standards. These measures would also reduce potential air quality impacts and sedimentation. Therefore, project impact would be less than significant with Mitigation Measure GEO-3 incorporated.

c. Is the project located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in onsite or offsite landslides, lateral spreading, subsidence, liquefaction, or collapse?

Less Than Significant Impact with Mitigation Incorporated. As noted in Section 3.4.6 a. iv above; the project site is not located in a Landslide Hazard Zone on the State of California Seismic Hazard Zones Map (CGS 2002a, 2002 b). Therefore, due to the lack of significant topographic variations at the project site, land sliding is not a potential problem on the site. Based on the results of the 2015 CTE liquefaction analysis, the potential for lateral spreading at the Site was determined to be very low. The assessment for lateral spreading was developed by considering the depth and discontinuous nature of the potentially liquefiable soils with respect to the site topography. Lateral spreading can occur when a soil mass either slides laterally on liquefied soil layers towards a free slope face, or when a soil mass moves downslope on gently sloping ground. CTE concluded that due to the relatively flat site area topography and the lack of significant ditches, trenches or other features exhibiting differential elevations, that the potential for lateral spreading to affect the site during a major seismic event is low (CTE 2015). Land subsidence is the sinking or gradual lowering of the earth surface. Man-made causes of land subsidence most often include groundwater pumping, mining, oil and gas production and river channelization. Based on the *City of Oxnard General Plan Draft Background Report* (City of Oxnard 2006), there is some land subsidence occurring at about 0.05 feet per year in the general area, including most of the City of Oxnard. The CTE report states that “land subsidence has been documented in the central eastern portion Oxnard Plain (Ventura County General Plan, 2000). Based on the information available and our review, land subsidence is not anticipated to be a significant hazard at the project site (CTE 2015).”

Mitigation Measure GEO-2 requires that the building design for structures at the Project use geotechnical building design recommendations that are based on a site specific evaluation of the liquefaction potential performed in accordance with the 2013 CBC (CBSC 2013) and the methods in the *Guidelines for*

Evaluating and Mitigating Seismic Hazards in California, Special Publication 117A (CGS 2008). The site specific liquefaction potential analysis and geotechnical building design recommendations shall be approved by the CGS and the DSA. With the implementation of Mitigation Measure GEO-2; the project would have a less than significant impact.

d. Is the project located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?

Less Than Significant Impact. The CTE report indicated that the near-surface materials at the site are considered to have a have very low to low expansion potential (EI less than 50), and should not pose a significant risk to the proposed construction (CTE 2015). Therefore, project impact would be less than significant.

e. Would the project have soils that are incapable of supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?

No Impact. Wastewater for the proposed project would be disposed of through the municipal sewer system. The proposed project would not use septic tanks or alternative wastewater disposal systems. Therefore, no project impact would result.

Mitigation Measures:

The following Mitigation Measures shall be implemented:

GEO-1: The building design for structures at the Project shall use geotechnical building design recommendations that are based on a site specific ground motion hazard analysis for the Project site performed in accordance with ASCE 7-10 (ASCE 2013) Chapter 21 as modified by Section 1803A.6 of the 2013 CBC. The site specific ground motion hazard analysis and geotechnical building design recommendations shall be approved by the CGS and the DSA.

GEO-2: The building design for structures at the Project shall use geotechnical building design recommendations that are based on a site specific a site specific evaluation of the liquefaction potential performed in accordance with the 2013 CBC (CBSC 2013) and the methods in the *Guidelines for Evaluating and Mitigating Seismic Hazards in California, Special Publication 117A* (CGS 2008). The site specific liquefaction potential analysis and geotechnical building design recommendations shall be approved by the CGS and the DSA.

GEO-3: Potential soil erosion that would occur during construction activities, including site grading, structure assembly, and utility extension shall be reduced to a less than significant level with standard erosion mitigation measures, including the use of hay bales and other erosion control devices as determined by site-specific conditions, limiting construction to the dry season, and soil wetting, applied as required under applicable regulatory guidelines and standards.

3.4.7 GREENHOUSE GAS EMISSIONS

| | | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|---|--|--------------------------------|--|------------------------------|-----------|
| GREENHOUSE GAS EMISSIONS. Would the project: | | | | | |
| a. | Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? | | | X | |
| b. | Conflict with any applicable plan, policy, or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases? | | | X | |

Existing Conditions:

Significant changes in global climate patterns have recently been associated with global warming, an average increase in the temperature of the atmosphere near the Earth's surface attributed to accumulation of greenhouse gas (GHG) emissions in the atmosphere. GHGs trap heat in the atmosphere, which in turn heats the surface of the earth. Some GHGs occur naturally and are emitted to the atmosphere through natural processes while others are anthropogenic (i.e., created and emitted solely through human activities).

Regulated GHGs consist of carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF₆), and nitrogen trifluoride (NF₃) (California Health and Safety Code 38505). GHGs are commonly quantified in the equivalent mass of CO₂, denoted CO₂e, which takes into account the global warming potential of each individual GHG compound.

Carbon dioxide enters the atmosphere through burning fossil fuels (coal, natural gas, and oil), solid waste, trees and wood products, and also as a result of certain chemical reactions (e.g., manufacture of cement). Carbon dioxide is removed from the atmosphere (or "sequestered") when it is absorbed by plants as part of the biological carbon cycle. Methane is emitted during the production and transport of coal, natural gas, and oil. Methane emissions also result from livestock and other agricultural practices and by the decay of organic waste in municipal solid waste landfills. Nitrous oxide is emitted during agricultural and industrial activities, as well as during combustion of fossil fuels and solid waste. Hydrofluorocarbons, PFCs, SF₆, and NF₃ are synthetic, powerful greenhouse gases that are emitted from a variety of industrial processes. These gases are typically emitted in smaller quantities, but because they are potent greenhouse gases, they are sometimes referred to as High Global Warming Potential gases ("High GWP gases"). HFCs and PFCs are sometimes used as substitutes for stratospheric ozone-depleting substances (e.g.,

chlorofluorocarbons, hydrochlorofluorocarbons, and halons). SF6 is employed in electricity transmission and distribution and semiconductor manufacturing. NF₃ results from semiconductor manufacturing processes (CARB 2015).

Discussion:

a. Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Less Than Significant Impact. GHGs resulting from the proposed project were calculated using CalEEMod and are summarized in Table 3-5. Detailed CalEEMod input values and calculated GHG results are included as Appendix A.

The proposed project would generate GHGs during construction and operation activities but not in significant quantities. These emissions would contribute to the cumulative GHGs in the County. However, GHG emissions resulting from the proposed project are anticipated to have a less than significant impact in the environment.

**Table 3-5
Project Construction and Operation Emissions of GHGs**

| Project Phase | Annual MT CO₂e |
|---------------------------|----------------------------------|
| Project Construction 2016 | 92.57 |
| Project Construction 2017 | 107.56 |
| Project Operation | 388.62 |
| Threshold of Significance | 10,000 |
| Significant? | No |

Notes: MT CO₂e metric tons of carbon dioxide equivalent

Pursuant to state law (CEQA Guidelines 15064.7), VCAPCD is authorized to adopt thresholds of significance for GHG emissions. To date, VCAPCD has evaluated multiple options, but has not made a decision to adopt any of these options. VCAPCD is leaning towards the adoption of thresholds of significance for land use development consistent with those adopted by the South Coast Air Quality Management District (SCAQMD). On December, 5 2008, SCAQMD Governing Board adopted a proposal for an interim GHG threshold of significance for projects where the SCAQMD is lead agency. The threshold of significance is applicable for stationary sources and can be used for determining significant impacts for proposed projects (SCAQMD 2008). Under the interim thresholds of significance projects can emit up to 10,000 MT per year of CO₂e before being deemed as having significant impacts. Calculated CO₂e emissions resulting from the construction and operation activities of the proposed project are much less than the interim threshold of significance adopted by SCAQMD. Based on this criterion, the proposed project GHG emissions would have less than significant impact on the environment.

b. Would the project conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases?

Less Than Significant Impact. In September 2006, the Global Warming Solutions Act of 2006 (also known as AB 32), was signed into law. AB 32 requires that the State of California to reduce its GHG emissions to 1990 levels by 2020. CARB established the 1990 target at 427 million metric tons (MM) CO₂e. Under AB 32, CARB has primary responsibility for promulgating regulations, programs, and enforcement mechanisms to achieve the GHG reduction target. CARB is required to and has developed a Climate Change Scoping Plan, which lays out California's strategy for meeting the goals of AB 32. The Climate Change Scoping Plan relies in part on integration of its GHG reduction strategies in general plans. The proposed project would not result in an increase of either population or emissions sources beyond what has been planned for in the City of Oxnard General Plan and does not required a general plan amendment. Therefore, the proposed project would be consistent with and have no impact on the State's Climate Change Scoping Plan and project impact would be less than significant.

Mitigation Measures:

No mitigation measures are required to reduce emissions below the interim threshold of significance.

3.4.8 HAZARDS AND HAZARDOUS MATERIALS

| | | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|--------------------|--|--------------------------------|--|------------------------------|-----------|
| Would the project: | | | | | |
| a. | Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials? | | | X | |
| b. | Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? | | | X | |
| c. | Emit hazardous emissions or involve handling hazardous or acutely hazardous materials, substances, or waste within 0.25 mile of an existing or proposed school? | | | X | |
| d. | Be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment? | | | | X |
| e. | Be located within an airport land use plan area or, where such a plan has not been adopted, be within 2 miles of a public airport or public use airport, and result in a safety hazard for people residing or working in the project area? | | | X | |
| f. | Be located within the vicinity of a private airstrip and result in a safety hazard for people residing or working in the project area? | | | | X |
| g. | Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan? | | | X | |

| | | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|----|--|--------------------------------|--|------------------------------|-----------|
| h. | Expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands? | | | X | |

Existing Conditions:

The project site is currently used as a public school that does not handle or generate large quantities of hazardous materials. Hazardous materials used onsite include cleaners (e.g., disinfectants, bleach) and office supplies (e.g., toner) that are stored in cabinets and supply rooms. The project site and adjacent properties are not included on a list of hazardous material sites compiled pursuant to Government Code Section 65962.5 (EnviroStor 2015).

On behalf of the OCD, ENSR conducted a three-phase Preliminary Endangerment Assessment (PEA) for the California Environmental Protection Agency Department of Toxic Substances Control (DTSC) at the Thurgood Marshall Elementary School (ENSR 2001) (Appendix E). The PEA assessment was conducted consistent with DTSC guidelines to 1) determine if there had been a release of hazardous substances from historical agricultural and nearby former landfill operations, 2) identify if the presence of these chemicals pose a potential risk to human health and the environment, and 3) confirm that contaminated soils have been removed from the site. The PEA report indicated that no actual or potential hazardous release was indicated which could pose a threat to the human health or the environment under any land use and DTSC concurred that no further investigation was required for the site (DTSC 2001).

The project site is located within two miles of Oxnard Airport. The airport is located over a mile to the south at 2830 Teal Club Rd, Oxnard, CA 93030.

Discussion:

a. Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Less Than Significant Impact. The proposed project would not handle or generate large quantities of hazardous materials. The project site is currently used as a public school and would continue to do so with the proposed project. Potential hazardous materials used onsite include those needed during short term temporary construction activities such as architectural coatings and sealants. During long term operations, potential hazardous materials stored at the school would include cleaners (e.g., disinfectants, bleach) and office supplies (e.g., toner). As is standard for schools, these materials would be kept in cabinets or supply rooms and therefore, would not be considered a hazard to students, staff, or the public. Therefore, project impact would be less than significant.

b. Would the project create a significant hazard to the public or the environment through the reasonably foreseeable upset and accident conditions involving the likely release of hazardous materials into the environment?

Less Than Significant Impact. The proposed school expansion would not create a significant hazard to the public or the environment involving the likely release of hazardous materials. As noted in response 3.4.8 a) above; the proposed project is a public school that would not handle or generate large quantities of hazardous materials. Common hazardous materials needed for routine maintenance and operations would be stored in small quantities in cabinets and supply rooms. Since hazardous materials on campus would be limited and stored away from students and the public; project impact would be less than significant.

c. Would the project emit hazardous emissions or handle hazardous materials or acutely hazardous materials, substances, or waste within 0.25 mile of an existing or proposed school?

Less Than Significant Impact. The project site is currently used as a public school and would continue to do so with the proposed project. The proposed project would not generate hazardous emissions or use materials in hazardous quantities. Therefore, project impact would be less than significant.

d. Is the project located on a site that is included on a list of hazardous material sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

No Impact. The project site and adjacent properties are not included on a list of hazardous material sites compiled pursuant to Government Code Section 65962.5 (EnviroStor 2015). Therefore, no project impact would result.

e. For a project located within an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?

Less Than Significant Impact. Oxnard Airport is located over a mile to the south of the project site at 2830 Teal Club Rd, Oxnard, CA 93030. The proposed project would increase building square footage at the Marshall School by a total of 15,101 sq. ft. No tall features such as a communication tower that could create a potential airport hazard are proposed. The project site is currently used as a public school and would continue to be used as a public school with the proposed project. Therefore, project impact would be less than significant.

f. For a project located within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?

No Impact. The proposed site is not located near a private airstrip. Therefore, there would be no impact on the safety of people residing or working within the project area.

g. Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less Than Significant Impact. The proposed project would not impair implementation of, or physically interfere with, an adopted emergency response plan. The project site is a public school and would continue to be used as a public school with the proposed project. The new classroom facilities would be

located to the south of the existing fire lane. Access to the project site from the fire lane would continue to be maintained with the proposed project. Therefore, project impact is less than significant.

h. Would the project expose people or structures to the risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

Less Than Significant Impact. There are no wildlands located on or adjacent to the project site. The project site is currently developed with a public school and is surrounded by residential development to the north, east, and west. Located to the south of the project site across West Gonzales Road is agricultural land. Therefore, project impact from wildland fire is less than significant.

Mitigation Measures:

No Mitigation Measures are required.

3.4.9 HYDROLOGY AND WATER QUALITY

| | | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|--------------------|--|--------------------------------|--|------------------------------|-----------|
| Would the project: | | | | | |
| a. | Violate any water quality standards or waste discharge requirements? | | | X | |
| b. | Substantially deplete groundwater supplies or interfere substantially with groundwater recharge, resulting in a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level that would not support existing land uses or planned uses for which permits have been granted)? | | X | | |
| c. | Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner that would result in substantial erosion or siltation on site or off site? | | | X | |
| d. | Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on site or off site? | | | X | |
| e. | Create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff? | | | X | |
| f. | Otherwise substantially degrade water quality? | | | X | |
| g. | Place housing within a 100-year flood hazard area, as mapped on a federal Flood Hazard Boundary, Flood Insurance Rate Map or other flood hazard delineation map? | | | | X |
| h. | Place within a 100-year flood hazard area structures that would impede or redirect flood flows? | | | | X |

| | | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|----|--|--------------------------------|--|------------------------------|-----------|
| i. | Expose people or structures to a significant risk of loss, injury, or death involving flooding, including flooding as a result of the failure of a levee or dam? | | X | | |
| j. | Contribute to inundation by seiche, tsunami, or mudflow? | | | | X |

Existing Conditions:

The project site is located within the jurisdiction of the Los Angeles Regional Water Quality Control Board (RWQCB).

The project site lies within the Oxnard Subwatershed (Ventura County Resource Management Agency [VCRMA] 2014) of the South Coast Hydrologic Region; however, runoff from the site is conveyed north to the Santa Clara Watershed where it ultimately drains to the Santa Clara River (City of Oxnard 2016). Runoff is conveyed throughout the site using storm drain inlets and underground piping, as well as aboveground vegetated swales. A bioswale is located in the southeast corner of the school which discharges to the Patterson Drain, a municipal drainage channel. There are no perennial or ephemeral surface water bodies on the project site.

The project site overlies the Santa Clara River Valley Groundwater Basin, Oxnard Subbasin. No water supply wells are located onsite; 9 water supply wells are located within 1000 feet of the site (State Water Resources Control Board 2016).

The City of Oxnard supplies potable water to the school. The City’s water supply consists of imported surface water from the Calleguas Municipal Water District (CMWD), imported groundwater from the United Water Conservation District (UWCD), and local groundwater from City wells. Groundwater from City wells and from UWCD, comprises the greatest portion of the City’s water supply (Oxnard Public Works 2015).

The City of Oxnard Wastewater Treatment Plant currently treats domestic wastewater from the school. The Oxnard Wastewater Treatment Plant is owned and operated by the City of Oxnard and is located at 6001 South Perkins Road, Oxnard, California. The treatment plant is a secondary treatment facility with an ocean outfall (Oxnard Public Works 2015).

Discussion:

a. Would the project violate any water quality standards or waste discharge requirements?

Less than Significant Impact. The project would connect to the existing sanitary sewer main which conveys domestic wastewater to the Oxnard Wastewater Treatment Plant (OWTP). The OWTP, owned and operated by the City of Oxnard, is a secondary treatment facility located at 6001 South Perkins Road,

Oxnard, California (Oxnard Public Works 2015). The OWTP treats and discharges wastewater pursuant to National Pollutant Discharge Elimination System Order No. R4-2013-0094, adopted by the Los Angeles Regional Water Quality Board on June 6, 2013. The project would generate domestic wastewater from restroom facilities, which would be treated by the OWTP. The project would include construction of two science labs; however, the curriculum of these labs would not generate and/or discharge any hazardous wastes to the sanitary sewer.

b. Would the project substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (i.e., the production rate of pre-existing nearby wells would drop to a level that would not support existing land uses or planned uses for which permits have been granted)?

Less than Significant Impact With Mitigation Incorporated. The City's current water supply consists of four sources:

1. Imported surface water from the Calleguas Municipal Water District (CMWD). CMWD purchases State Water Project (SWP) water from the Metropolitan Water District of Southern California (MWD).
2. Groundwater from the United Water Conservation District (UWCD).
3. Groundwater from City wells subject management of the Fox Canyon Groundwater Management Agency (FCGMA). Groundwater from City wells and from UWCD, comprise the greatest portion of the City's water supply. Local groundwater is extracted from the aquifers of the Oxnard Plain Groundwater Basin, including the Upper Aquifer System and the Lower Aquifer System (Oxnard Public Works Department 2015). As of December 2014, both these aquifer systems were in overdraft (Fox Canyon Groundwater Management Agency 2014).
4. Recycled water from the City's Advanced Water Purification Facility (AWPF). This water supply offsets potable water used for irrigation or is provided to agricultural users in exchange for groundwater allocation.

Additional water sources are becoming available through the implementation of the new Groundwater Recovery Enhancement and Treatment (GREAT) Program. The GREAT Program combines wastewater recycling associated with the AWPF, brackish groundwater desalination, groundwater injection, storage and recovery, and restoration of local wetlands to supplement the City's water supply source to the Oxnard Plain.

The City plans and manages its water supplies according to an Urban Water Management Plan (UWMP), which is updated every five years and currently in the process of being updated (2012). Original development of Thurgood Marshall Elementary School was anticipated in the City's 2010 UWMP (2012), which accounted for build out under the City's *2030 General Plan* (2011). The *2030 General Plan* includes by reference the *Northwest Golf Course Community Specific Plan* adopted in November of 1999 and amended in 2000, 2002, and 2004.

The City's *2030 General Plan* describes a multifaceted strategy that outlines how the City plans to provide an adequate water supply to meet forecast water demands well into the future. It includes policies and measures to address a range of groundwater supply and resource issues. Further, the City is currently updating its Water Master Plan and 2010 UWMP, and actively works with local groundwater managers

such as the FCGMA, UWCD, and CMWD on local groundwater management programs, as well as with the CMWD and MWD on regional imported supplies.

The City's water supplies continue to be affected by a recent multiyear drought, and 12 percent monthly demand reductions (as compared to 2013 monthly usage) imposed by the State Water Resources Control Board (SWRCB) under Resolution No. 2014-0038 are anticipated to continue into fiscal year 2016/2017 (2014). As of November 2015, the City had exceeded its water conservation goals primarily reducing its own usage; by adopting and enforcing *Mandatory Water Conservation Measures* applicable to residents, businesses, and institutions (i.e., schools); enhancing public and education related to the drought and ways for the public to conserve water; initiating the AWPf and actively converting irrigation systems located along the Recycled Water Backbone System from potable water to AWPf recycled water (City of Oxnard 2012, 2015).

The project would increase capacity of Thurgood Marshall Elementary School to 900 students, a 62 percent increase (i.e., 345 students) from the current capacity of 555 students. There would be no net increase in landscaping or sports fields. The project would connect to the City of Oxnard municipal water system with water conservation features including low flow toilets and waterless urinals. The project would include the use of dry wells to help balance site hydrology (i.e., reduce runoff) and recharge the aquifer.

The OSD institutes a standard educational schedule, resulting in approximately 183 school days. Applying an average demand factor of 5.4 gallons per student per school day (Mays 2001), the project would require an additional 340,929 gallons (1.05 acre-feet) of water annually. Given the long-term management of local groundwater basins by the City of Oxnard, coupled with incorporation of mitigation measure HYRDO-1 requiring low-flow flush toilets, self-closing faucets, and insulated piping; the project would have a less than significant impact.

c. Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner that would result in substantial erosion or siltation on site or off site?

Less Than Significant Impact. The project includes redevelopment of existing school features and facilities, including grading portions of the school site for construction of 22 parking spaces and a new classroom facility. No perennial or ephemeral water bodies are located on or close to the site; therefore, the project would not alter the course of a stream or river.

Since the project is anticipated to disturb greater than one acre of land (including laydown and stockpile areas), the project must comply with State Water Resources Control Board Order No. 2009-0009-DWQ, *National Pollutant Discharge Elimination System General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities* (Construction General Permit). Pursuant to the Construction General Permit, prior to terminating permit coverage the project site must be stabilized and not pose any additional sediment discharge risk than it did prior to the commencement of construction activity. The post-construction plans for the site include landscaping and hardscaping that will prevent erosion or siltation; therefore the project would not alter the site in a manner that would result in substantial erosion or siltation on-site or off-site (State Water Resources Control Board 2009).

d. Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on site or off site?

Less Than Significant Impact. The project includes redevelopment of existing school features and facilities, including grading portions of the school site for construction of 22 parking spaces and a new classroom facility. No perennial or ephemeral water bodies are located on or close to the site; therefore, the project would not alter the course of a stream or river.

The new classroom facility and parking spaces would increase the total impervious surface area of the site by more than 5,000 square feet; therefore, the project must comply with the *Ventura County Technical Guidance Manual for Stormwater Quality Control Measures* (TGM, Ventura County Watershed Protection District 2011). The TGM provides guidance for the implementation of stormwater management control measures in new development and redevelopment projects in the County of Ventura and the incorporated cities therein. By adhering to the TGM, integrated water resource management and low impact development features will be incorporated into the project. One example of this includes the dry wells that are planned for use. These dry wells and other features would infiltrate, reuse, and/or evaporate water on-site; thereby mitigating the effects of the project's new impervious surface. Additionally, these features would be constructed to overflow to the local municipal storm drain system when rainfall exceeds the designed capacity or flow. As a result, no on-site or off-site flooding would occur.

e. Would the project create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

Less Than Significant Impact. The new classroom facility and parking spaces would increase the total impervious surface area of the site by more than 5,000 square feet; therefore, the project must comply with the *Ventura County Technical Guidance Manual for Stormwater Quality Control Measures* (Ventura County Watershed Protection District 2011). The TGM provides guidance for the implementation of stormwater management control measures in new development and redevelopment projects in the County of Ventura and the incorporated cities therein. By adhering to the TGM integrated water resource management and low impact development features would be incorporated into the project. One example of this includes the dry wells that are planned for use. These dry wells and other features would infiltrate, reuse, and/or evaporate water on-site; thereby mitigating the effects of the project's new impervious surface. Additionally, these features would be constructed to overflow to the local municipal storm drain system when rainfall exceeds the designed capacity or flow. These features would not only limit surface runoff, but would also improve the quality of runoff by way of sedimentation/settling, filtration, plant uptake, ion exchange, adsorption, and microbially-mediated decomposition. Therefore, the project would not provide for substantial additional sources of polluted runoff, or create or contribute runoff that would exceed the capacity of the existing drainage system.

f. Would the project otherwise substantially degrade water quality?

Less Than Significant Impact. The new classroom facility and parking spaces would increase the total impervious surface area of the site by more than 5,000 square feet; therefore, the project must comply with the *Ventura County Technical Guidance Manual for Stormwater Quality Control Measures* (Ventura County Watershed Protection District 2011). The TGM provides guidance for the implementation of stormwater management control measures in new development and redevelopment projects in the County of Ventura and the incorporated cities therein. By adhering to the TGM integrated water resource management and low impact development features would be incorporated into the project. One example of this includes the dry wells that are planned for use. These dry wells and other features would infiltrate, reuse, and/or evaporate water on-site; thereby mitigating the effects of the project's new impervious surface. These features would not only limit surface runoff, but would also improve the quality of runoff

by way of sedimentation/settling, filtration, plant uptake, ion exchange, adsorption, and microbially-mediated decomposition. Therefore, the project would not provide for substantial additional sources of polluted runoff, or create or contribute runoff that would exceed the capacity of the existing drainage system.

g. Would the project place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary, Flood Insurance Rate Map or other flood hazard delineation map?

No Impact. No housing is located on the site and no housing is proposed as part of the project. Therefore, no project impact would result.

h. Would the project place within a 100-year floodplain structures that would impede or redirect flood flows?

No Impact. As noted above the proposed project would not place buildings or structures within a 100-year floodplain. Therefore, no project impact would result.

i. Would the project expose people or structures to a significant risk of loss, injury, or death involving flooding, including flooding as a result of the failure of a levee or dam?

Less Than Significant Impact with Mitigation Incorporated. A dam that stores more than 1,000 acre-feet of water, is higher than 150 feet, and has the potential to cause downstream property damage is classified as a high hazard dam by FEMA. A review of Section 2.11 and Figures 2.11.1 and 2.11.2 of the *Ventura County General Plan, Hazards Appendix* (County of Ventura 2013) and Section 4.3.3.1 and Tables 4-5, 4-6, and, 4-7, and Figure 4-3 of the *Multi-Jurisdictional Hazard Mitigation Plan for Ventura County, California* (County of Ventura 2005) indicates that there are four major reservoirs in the Santa Clara River watershed upstream of the project site that are FEMA high hazard dams that would inundate the Site area in the event of a reservoir failure. Information for each of these dams is summarized below.

Santa Felicia Dam: The Santa Felicia Dam (Lake Piru) is operated by the United Water Conservation District (UWCD), can hold up to 100,000 acre-feet of water, and is located on Piru Creek approximately 32 miles upstream of the Site (Figure 3-4). Data provided by the UWCD indicates that the Site would be inundated by flood waters approximately 6 hours and 41 minutes after the dam failure to maximum depths of five to 10 feet under a “Sunny Day” scenario, and approximately four hours and four minutes after the dam failure to maximum depths of 10 to 20 feet under a “Rainy Day” scenario (UWCD 2015).

Castaic Dam. The Castaic Dam is operated by the California Department of Water Resources (CDWR), can hold up to 325,000 acre-feet of water, and is located on Castaic Creek approximately 42 miles upstream of the Site (Figure 3-4). Data provided by the CDWR indicates that the Site would be inundated by flood waters to depths of 10 to 20 feet approximately 4.8 hours after a failure of the Castaic Dam (CDWR 2015).

Pyramid Dam. The Pyramid Dam is operated by the CDWR, can hold up to 179,000 acre-feet of water, and is located on Piru Creek approximately 20 miles upstream of the Santa Felicia Dam and 52 miles upstream of the Site (Figure 3-4). Data provided by the CDWR indicates that the Site would be inundated by flood waters to depths of 10 to 20 feet approximately 5.7 hours after a failure of the Pyramid Dam (CDWR 2015).

Bouquet Canyon Dam. The Bouquet Canyon Dam is operated by the Los Angeles Department of Water and Power (LADWP), can hold up to 36,500 acre-feet of water, and is located approximately 57 miles

upstream of the Site (Figure 3-4). Data provided by the LADWP indicates that the Site would be inundated by flood waters to depths of 15 to 20 feet approximately 4.5 hours after a failure of the Bouquet Canyon Dam (LADWP 2015).

The need for dam failure disaster planning was demonstrated by the midnight collapse in March 1928 of the St. Francis Dam in Los Angeles County, which occurred after the newly constructed cement arched dam was completely filled for the first time. The ensuing flooding from the dam's total collapse resulted in the loss of over 400 lives in Ventura County as floodwaters washed out homes and structures along the banks of the Santa Clara River. The communities of Piru, Fillmore, Santa Paula, Bardsdale, Saticoy, Montalvo and El Rio sustained extensive life and property loss from the flood (County of Ventura 2013).

More recently, the San Fernando Earthquake in 1971 resulted in ground shaking in the vicinity of the Van Norman Dam in Los Angeles County. As a result of the earthquake, structural damage threatened the dam's immediate collapse. Approximately 80,000 residents in the San Fernando Valley had to be evacuated to areas of safety in the midst of many other earthquake-related emergencies (County of Ventura 2013).

The California's Dam Safety Act (Section 8589.5 California Emergency Services Act) requires the preparation of dam inundation maps showing areas of potential flooding in the event of sudden or total dam failure as well as emergency procedures for notification and evacuation of nearby residents (County of Ventura 2013).

In Ventura County, disaster coordination and planning is the responsibility of the Sheriff's Department through its Office of Emergency Services (OES). Within California's emergency management organizational structure, each county serves as an Operational Area. In this role, Sheriff's OES acts as an agent between Cal OES and the cities (including the City of Oxnard), special districts and unincorporated areas of Ventura County. OES is responsible for countywide disaster planning, mitigation, response and recovery activities. The OES serves as the depository for the County's Dam Inundation Maps and is charged with ongoing maintenance of the County's Dam Failure Response Plan which was adopted by the Board of Supervisors on September 13, 1983. The Dam Failure Response Plan was currently updated by the OES during 2013 (County of Ventura 2013). With compliance with Mitigation Measure HYDRO-2, that requires OSD to develop and implement a Site specific flooding evacuation plan to be implemented in conjunction with the County of Ventura OES Dam Failure Response Plan, project impacts would be less than significant.

j. Would the project contribute to inundation by seiche, tsunami, or mudflow?

No Impact. The project site is located at an average mean sea level elevation of approximately 50 to 55 feet, and there are no enclosed large bodies of water in the immediate vicinity of the property. The project site is located in an area of relatively flat topography and is not near any hills or watercourses that would generate mud flows. The site is located outside areas mapped as subject to Tsunami/Seiche as delineated in the *Ventura County General Plan, Hazards Appendix* (County of Ventura 2013). Therefore, tsunamis and seiche are not considered to be potential hazards to the Site.

Mitigation Measures:

The following Mitigation Measures shall be implemented:

HYDRO-1: The project contractor shall include low-flow flush toilets and urinals, self-closing faucets, and insulated piping to reduce water consumption to the extent feasible.

HYDRO-2: The OSD shall develop and implement a site evacuation plan to be implemented in conjunction with the County of Ventura OES Dam Failure Response Plan.

3.4.10 LAND USE AND PLANNING

| | | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|--------------------|---|--------------------------------|--|------------------------------|-----------|
| Would the project: | | | | | |
| a. | Physically divide an established community? | | | | X |
| b. | Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to, a general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect? | | | | X |
| c. | Conflict with any applicable habitat conservation plan or natural community conservation plan? | | | | X |

Existing Conditions:

The project site is currently developed with a public elementary school. The City of Oxnard 2030 General Plan Land Use Map identifies the project site as School (SCH). The SCH designation is for campuses of the elementary and secondary public school districts that serve the City of Oxnard (Oxnard 2011).

The project site is located within the Northwest Golf Course Community Specific Plan Area and is identified as an elementary school site on the land use concept plan diagram (Oxnard 2004). The project site is zoned C-R, Community Reserve on the City’s Zoning Map and identified as Marshall Elementary.

Discussion:

a. Would the project physically divide an established community?

No Impact. The proposed project would not physically divide an established community. The project site is currently developed with a public elementary school. The 12-classroom building would be added on the south and west side of the existing school administration building in the area that is currently utilized as playfields and a blacktop play area. The existing soccer field layout would remain but existing hardtop play areas would be relocated to the east of the proposed new building. The new building location maintains the existing fire lane, provides connection to the existing campus, and adds new courtyards spaces. Therefore, the proposed project would not physically divide an established community and no project impact would result.

b. Would the project conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to, the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?

No Impact. The project site is currently used as a public school and would continue to do so with the proposed project. The project site is located within the Northwest Golf Course Community Specific Plan Area and is identified as an elementary school site on the land use concept plan diagram. A public school is consistent with the General Plan land use designation e and the proposed project would also be consistent with a C-R zoning designation that allows for a public school as a related use. Therefore, the proposed project would not conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project adopted for the purpose of avoiding or mitigating an environmental effect and no project impact would result.

c. Would the project conflict with any applicable habitat conservation plan or natural communities conservation plan?

No Impact. A review of the City of Oxnard website for local conservation plans and on the CDFW website for regional conservation plans was conducted and no conservation plans applicable to the project site were identified. Therefore, no project impact would result.

Mitigation Measures:

No Mitigation Measures are required.

3.4.11 MINERAL RESOURCES

| | | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|--------------------|---|---------------------------------------|---|-------------------------------------|------------------|
| Would the project: | | | | | |
| a. | Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state? | | | | X |
| b. | Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan? | | | | X |

Existing Conditions:

Minerals

Pursuant to the California Surface Mining and Reclamation Act of 1975 (SMARA), the Mining and Geology Board classifies lands into Mineral Resource Zones (MRZs) based on the known or estimated mineral resource potential of that land. The mineral resources SMARA addresses first are sand, gravel, and crushed rock (aggregate). The main purpose of mineral land classification is to ensure that the mineral resource potential of lands is considered in the land use planning process (Matrix Design Group, Inc. 2006 and County of Ventura 2011) The MRZ categories are as follows:

- MRZ-1. Areas where adequate information indicates that no significant mineral deposits are present or where it is judged that little likelihood exists for their presence.
- MRZ-2. Areas where adequate information indicates significant mineral deposits are present, or where it is judged that a high likelihood exists for their presence.
- MRZ-3. Areas containing mineral deposits the significance of which cannot be evaluated from available data.
- MRZ-3(a) - Areas other than deposits classified MRZ-3, judged on the basis of the limited available geologic data and field work, to have higher potential as sources of aggregate material suitable for use in construction.
- MRZ-4. Areas where available information is inadequate for assignment to any other MRZ.

In the City of Oxnard, important mineral/sand/gravel deposits are primarily located along the Santa Clara River channel, along the U.S. Route 101 (Ventura Freeway) corridor, and along the eastern edge of the City extending as far west as Oxnard Boulevard in several areas. Areas of significant mineral deposits are identified as MRZ-2 and MRZ-3 areas. The MRZ-2 area encompasses the course of the Santa Clara River through the City and also a corridor of land along U.S. Route 101 from the Santa Clara River eastward to

approximately Del Norte Avenue. MRZ-3 areas are located south of the Santa Clara River (west of the Ventura Freeway), and a large area bordering State Route 1 through the center of the City of Oxnard (Matrix Design Group, Inc. 2006).

According to the Ventura County General Plan Resources Appendix (County of Ventura 2011), the project site is located within an aggregate resources (sand, gravel, and crushed rock) MRZ-3 area, which is an area containing mineral deposits, the significance of which cannot be evaluated from available data. As discussed in the General Plan Resources Appendix, areas classified as MRZ-3 and MRZ-3(a) are not considered available aggregate supplies because of the highly speculative nature of viable aggregate deposits.

Petroleum

According to the California Department of Conservation, Division of Oil, Gas, and Geothermal Well Finder (2015), there are five oil and gas fields located within the City of Oxnard boundaries: West Montalvo, El Rio, Santa Clara Avenue, Oxnard, and Cabrillo. The project site is located within the West Montalvo oil field. However, there are no active oil or gas wells located near the project site.

Discussion:

a. Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

No Impact. The proposed project would be constructed on an existing school site that is not currently used for mineral or petroleum extraction. Project implementation would not impact the availability of sand, gravel, or aggregate supplies. Although the project site is located within the West Montalvo oil field, it is not located near any active oil wells and would not affect the production or availability of oil or gas. Additionally, due to the limited size of the proposed new building in comparison with the surrounding existing developments, the proposed project would not require enough of the existing mineral resources in the area to create a shortage of supplies for other projects and consumers. Therefore, no project impact would result.

b. Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?

No Impact. According to the County of Ventura and the City of Oxnard General Plans, the project site is located in an area that is considered not available for aggregate supplies because of the highly speculative nature of viable aggregate deposits. Furthermore, the proposed project would be constructed on an existing school campus that is already developed. Project implementation would not result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan and no project impact would result.

Mitigation Measures:

No Mitigation Measures are required.

3.4.12 NOISE

| | | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|--------------------|--|---------------------------------------|---|-------------------------------------|------------------|
| Would the project: | | | | | |
| a. | Expose persons to or generate noise levels in excess of standards established in a local general plan or noise ordinance or applicable standards of other agencies? | | | X | |
| b. | Expose persons to or generate excessive groundborne vibration or groundborne noise levels? | | | X | |
| c. | Result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project? | | | X | |
| d. | Result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project? | | X | | |
| e. | Be located within an airport land use plan area, or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport and expose people residing or working in the project area to excessive noise levels? | | | | X |
| f. | Be located in the vicinity of a private airstrip and expose people residing or working in the project area to excessive noise levels? | | | | X |

Existing Conditions:

The existing noise environment consists of vehicle noise from local street traffic (West Gonzales Road, North Patterson Road, and Thurgood Marshall Drive), nature sounds, and community sounds. Agriculture land is located south of the project site across West Gonzales Road. Single family homes are located to north and west of the project site across Thurgood Marshall Drive as well as to the east across North Patterson Road. Residents of these homes would be considered sensitive noise receptors. Ambient noise monitoring data for the project vicinity was not publicly available. However, existing land use and street patterns as well as the existing noise contours published in the City of Oxnard’s Noise Element, indicate

that the existing ambient noise levels at the proposed project site should be at or below 70 A-weighted decibels (dBA) Community Noise Equivalent Level (CNEL) under existing conditions.

Discussion:

a. Would the project result in exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Less Than Significant Impact. The City of Oxnard General Plan Noise Element identifies the land use compatibility standard for noise-sensitive land uses as a CNEL of 55 dBA to 70 dBA as conditionally acceptable. Ambient noise monitoring data for the project vicinity was not available. However, existing land use and street patterns as well as the existing noise contours published in the City of Oxnard's Noise Element, indicate that the existing ambient noise levels at the proposed project site should be at or below 70 A-weighted decibels (dBA) Community Noise Equivalent Level (CNEL) under existing conditions. The proposed project would have only a minimal impact on daily traffic volumes in the project vicinity, and thus would have minimal impact on traffic noise conditions.

The City of Oxnard's Code of Ordinances Chapter 7 Section 7-185 limits noise propagation to residential land uses from stationary equipment during the daytime period (7:00 am to 10:00 pm) to 55 dBA L_{eq} and during the nighttime period (10:00 pm to 7:00 am) to 50 dBA L_{eq} . The project is proposing a new classroom building to be located where the playfields and blacktop play areas are currently located. This relocation would move the hardtop play areas farther away from the nearest residential area, which would result in noise levels that are similar or less than the current conditions. The building is also proposed to include 13 packaged air conditioning units to be located on the roof. According to the manufacturers, the sound power levels for the packaged air conditioning unit is 78 dBA. Given the elevated rooftop height for the mechanical equipment and assuming the rooftop mechanical equipment operates simultaneously, the noise levels from the operation of all the rooftop mechanical equipment would range from 25 dBA L_{eq} at the single family residential homes located to the south across Thurgood Marshall Drive, to 34 dBA L_{eq} at the single family residential homes located to the west across Thurgood Marshall Drive. Existing classrooms are located directly north adjacent to the proposed classroom building. The noise levels at the existing classroom building to the north would range from 45 dBA L_{eq} at the first level to 47 dBA L_{eq} at the second level. The noise levels generated by the proposed project would comply with the City of Oxnard's General Plan and Code of Ordinances. Therefore, project impact would be less than significant.

b. Would the project result in exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?

Less Than Significant Impact. Operation of the school would not generate vibration; however, construction of the classroom buildings and site grading would require the use of equipment that could generate vibration. Possible sources of vibration may include bulldozers, dump trucks, backhoes, rollers, and other construction equipment that produces vibration. No blasting would be required at the project site.

Project construction activities would occur within approximately 45 feet from the adjacent classroom building and 190 feet from the nearest single family residences. According to the Federal Transit Administration (FTA) guidelines, a vibration level of 65 VdB (Vibration Velocity Level) is the threshold of perceptibility for humans. For a significant impact to occur, vibration levels must exceed 80 VdB during infrequent events (Federal Transit Administration 1995). Based on the levels published by the FTA (Federal Transit Administration 2006) and the type of equipment proposed for use at the proposed project,

coupled with the distance to the existing identified noise sensitive receptors, analysis shows that all identified sensitive residential receptors would be below the 65 VdB vibration threshold of perceptibility for humans. The vibration level at the adjacent classroom building would be perceptible, but would be below the 80 VdB threshold. This vibration level is considered acceptable for impacts to sensitive receptors and is, therefore, considered to be a less than significant impact.

c. Would the project result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?

Less Than Significant Impact. The dominant noise source in the vicinity of the proposed project is traffic noise associated with West Gonzales Road, North Patterson Road, and Thurgood Marshall Drive. Based on existing traffic volumes, noise impacts to adjacent residences range from 55 dBA CNEL to 68 dBA CNEL. The project would result in an increase in traffic along West Gonzales Road and North Patterson Road during the arrival and departure of students. The project traffic analysis identifies an increase of 559 Average Daily Trips (ADT). The ADT on West Gonzales Road and North Patterson Road would each be increased by 279.5 ADTs as a result of the proposed project. This increase in ADT's represents an increase of less than one dBA at the residences adjacent to the proposed project. According to the CEQA guidelines, an increase in the overall ambient community noise level of less than one dBA is considered to be a less than significant impact.

The proposed project building is planned to be equipped with 13 packaged air conditioning units to be located on the roof. The noise levels generated from the operation of all the rooftop mechanical equipment would range from 25 dBA L_{eq} at the single family residential homes located to the south across Thurgood Marshall Drive and to 34 dBA L_{eq} at the single family residential homes located to the west across Thurgood Marshall Drive. Existing classrooms are located directly north adjacent to the proposed new building. The noise levels at the existing classroom building to the north would range from 45 dBA L_{eq} at the first level to 47 dBA L_{eq} at the second level. Based on the existing noise levels generated by vehicle traffic, the noise impacts from the rooftop mechanical equipment would result in an increase of less than one dBA to the ambient noise levels at the adjacent residential property lines. Since the proposed project is shown to only increase the overall ambient community noise level by less than one dBA it is considered to be a less than significant impact.

d. Would the project result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?

Less Than Significant With Mitigation Incorporated. Long term operation of the proposed project would not result in a substantial or periodic increase in ambient noise levels in the project vicinity. The proposed project related increase in ADT's represents an increase of less than one dBA at the residences adjacent to the proposed project. Furthermore, based on the existing noise levels generated by vehicle traffic, the noise impacts from the rooftop mechanical equipment would result in an increase of less than one dBA to the ambient noise levels at the adjacent residential property lines. According to the CEQA guidelines, an increase in the overall ambient community noise level of less than one dBA is considered to be a less than significant impact. Since the proposed project is shown to only increase the overall ambient community noise level by less than one dBA, it would be a less than significant impact.

Construction of the proposed school is planned to start in the summer of 2016 and last approximately 18 months. The project construction activities are anticipated to occur in phases and include site preparation, grading, building construction, paving, architectural coating, and landscaping. These construction activities would require a variety of equipment. Typical construction equipment would not be expected to

generate noise levels above 90 dBA at 50 feet, and most equipment types would typically generate noise levels of less than 85 dBA at 50 feet.

The highest noise levels during construction are normally generated during site grading and foundation work. Grading equipment would be the loudest equipment used at the site. This equipment is expected to generate a maximum instantaneous noise level (L_{max}) of up to 70 - 75 dBA at the single family homes located at a distance of 140 feet. At the adjacent classroom, the construction equipment is expected to generate a maximum instantaneous noise level (L_{max}) of up to 85 - 90 dBA. This would be loud enough to temporarily interfere with speech communication outdoors and indoors with the windows open. Project construction would occur between the hours of 7:00 a.m. and 6:00 p.m., Monday through Friday. Due to the infrequent nature of loud construction activities at the site, the limited hours of construction, and the implementation of Mitigation Measure N-1, the temporary increase in noise due to construction is considered to be a less than significant impact with mitigation incorporated.

e. For a project located within an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. The nearest airport to the project site is Oxnard Airport, located over a mile to the south of the project site at 2830 Teal Club Rd, Oxnard, CA 93030. The City of Oxnard's Noise Element indicates that the proposed site is located approximately 1.12 miles outside of the 60 dBA CNEL contour and outside of the airport influence area. Therefore, no project impact would result

f. For a project located within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. Maps and aerial photos for the project region show no private airstrips close enough to generate a significant noise impact at the project site. Therefore, no project impact would result.

Mitigation Measures:

The following Mitigation Measure shall be implemented:

N-1 The construction contractor shall limit activities as follows:

- Equipment and trucks used for project construction shall utilize the best available noise control techniques (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures and acoustically-attenuating shields or shrouds) wherever feasible.
- Stationary noise sources shall be located as far from adjacent receptors as possible and shall be muffled and enclosed within temporary sheds, incorporate insulation barriers or other measures to the extent feasible.
- Impact tools (e.g., jack hammers, pavement breakers, and rock drills) used for project construction shall be hydraulically or electrically powered wherever possible to avoid noise associated with compressed air exhaust from pneumatically-powered tools. However, where use of pneumatically powered tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used; this muffler can lower noise levels from the exhaust by up to about 10 dBA. External jackets on the tools themselves shall be used where feasible. This could achieve a

reduction of 5 dBA. Quieter procedures shall be used such as drilling rather than impact equipment whenever feasible.

- Heavy construction equipment operations should be limited during the school period when classrooms are being utilized in the adjacent building.

3.4.13 POPULATION AND HOUSING

| | | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|--------------------|--|--------------------------------|--|------------------------------|-----------|
| Would the project: | | | | | |
| a. | Induce substantial population growth in an area, either directly (e.g., by proposing new homes and businesses) or indirectly (e.g., through extension of roads or other infrastructure)? | | | X | |
| b. | Displace a substantial number of existing housing units, necessitating the construction of replacement housing elsewhere? | | | | X |
| c. | Displace a substantial number of people, necessitating the construction of replacement housing elsewhere? | | | | X |

Existing Conditions:

Population

The District is located in the southwestern portion of Ventura County, California, primarily in the City of Oxnard but also serving a portion of the City of Port Hueneme. In 2014, the population of the County of Ventura was approximately 842,967 and the population in the City of Oxnard was approximately 203,645 (U.S. Census Bureau 2015a). The population in the City of Oxnard has increased 2.8 percent from 2010 to 2014, which was 0.5 percent higher compared to the population growth for the County of Ventura during that same time period. According to a report prepared by the Ventura County Planning Division (2008), the population in the County of Ventura is estimated to increase by almost 10 percent from 2014 to 2020. The population in the City of Oxnard is estimated to increase by over 13 percent from 2014 to 2020, over 3 percent more than the expected population growth in Ventura County. Table 3-6 shows existing population and housing numbers in 2010 and 2014 for the City of Oxnard and the County of Ventura for comparison. The Thurgood Marshall Elementary School is located in Census Tract 29.01, which had an estimated population of 5,797 in 2014 (U.S. Census Bureau 2015b).

**Table 3-6
Population and Housing**

| | 2010 | 2014 | 2020 Projections* | 2010-2014 Percent Change | 2014-2020 Percent Change |
|---------------------------------|---------|---------|----------------------|--------------------------------|--------------------------------|
| Population | | | | | |
| Ventura County Population | 823,318 | 842,967 | 935,452 | 2.3 | 9.9 |
| Oxnard City Population | 197,899 | 203,645 | 234,304 | 2.8 | 13.1 |
| Housing Units | | | | | |
| Ventura County Housing Units | 281,695 | 284,489 | 306,265 | 1.0 | 7.1 |
| Oxnard City Housing Units | 52,772 | 53,637 | 66,944 | 1.6 | 19.9 |

Source: U. S. Census Bureau 2015a, Southern California Association of Governments’ (SCAG) 2015a, SCAG 2015b, and *Ventura County Planning Division 2008.

Note: Numbers are rounded.

Housing

As shown in Table 3-6, the number of housing units in the City of Oxnard increased by 1.6 percent from 2010 to 2014, 0.6 percent more than for the County of Ventura during that same time period. Existing residential communities within the Thurgood Marshall Elementary School attendance area include the Northwest Golf Community, located immediately north and west of the Marshall School; and the Windsor North River Ridge development, located immediately east of the school. Both of these neighborhoods generally make up Census Tract 29.01, which was estimated as containing 1,787 housing units in 2014.

The Ventura County Planning Division (2008) estimates the number of housing units in the County of Ventura will increase by over 7 percent from 2014 to 2020, and that the number of housing units in the City of Oxnard will increase by almost 20 percent from 2014 to 2020. The growth anticipated for the City of Oxnard is approximately 13 percent more housing units compared to the County of Ventura.

According to the City of Oxnard’s Planning Division Quarterly Project List (October 2015), several residential projects are in various phases of development within the City of Oxnard. Currently, a total of 631 residential units are proposed, 338 units are approved, 657 units are in the plan check process, and 752 units are under construction (City of Oxnard 2015).

Discussion:

- a. Would the project induce substantial population growth in an area, either directly (e.g., by proposing new homes and business) or indirectly (e.g., through extension of roads or other infrastructure)?**

Less than Significant Impact. The school expansion is necessary to satisfy current demand for schools in the area resulting from existing and planned development. The proposed project would utilize the existing school campus and would not require other land outside the existing school boundary. The proposed project is a new two-story, 12-classroom building on an existing school campus. No new homes or businesses are being directly proposed as part of this project. The proposed project also does not include the extension of roads or other infrastructure. Expansion of the school would address the current shortage of classrooms for intermediate students enrolled in the District and for projected future students. The proposed project would require that additional school staff be added at the campus in order to accommodate the projected addition of 345 students maximum in the 12 new classrooms. Additional staff would include teachers and administrative or support staff. Most or all of the additional school staff could be hired from the existing qualified applicant pool already residing within or near the District. However, if teachers or other staff are hired outside the District area to fill a specific role, it may result in a few new people and their families moving into surrounding neighborhoods, thus creating a slight increase in the local population. However, the proposed project would not induce substantial population growth in the area. A less than significant impact is anticipated.

b. Would the project displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?

No Impact. The project site is the existing Thurgood Marshall Elementary School campus that does not contain any housing. Therefore, no housing would be removed and no project impact would result.

c. Would the project displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?

No Impact. The project site is the existing Thurgood Marshall Elementary School campus that does not contain any housing. Thereby, no people would be displaced necessitating the need for the construction of replacement housing elsewhere. No project impact would result.

Mitigation Measures:

No Mitigation Measures are required.

3.4.14 PUBLIC SERVICES

| | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|--|--------------------------------|--|------------------------------|-----------|
| Would the project: | | | | |
| a. Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities or a need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the following public services: | | | | |
| i.) Fire protection? | | | X | |
| ii.) Police protection? | | | X | |
| iii.) Schools? | | | | X |
| iv.) Parks? | | | X | |
| v.) Other public facilities? | | | X | |

Existing Conditions:

Fire Protection Services

The Oxnard Fire Department provides a full range of emergency and non-emergency services to the community and is staffed by approximately 103 personnel, including civilian and safety positions. The majority of the safety positions are assigned to the Suppression Division that provides emergency services for City residents. The mission of the Oxnard Fire Department is to serve the public and safeguard the community by preventing or minimizing the impact of emergency situations to life, the environment, and property by responding to both emergency and non-emergency calls for service (City of Oxnard 2011a). There are seven Fire Stations in the City of Oxnard and the nearest Fire Stations to the project site are Stations 1 located and 4 (City of Oxnard 2016a). The location of Fire Stations within the City and the approximate distance of the Stations to the project site are identified in Table 3-7.

**Table 3-7
Fire Station Locations**

| Station Number | Address | Approximate Distance to Project Site |
|-----------------------|---|---|
| 1 | 491 South "K" Street, Oxnard, CA 93030 | 2.8 miles |
| 2 | 531 East Pleasant Valley Road, Oxnard, CA 93030 | 6.7 miles |
| 3 | 150 Hill Street, Oxnard, CA 93030 | 4.3 miles |
| 4 | 230 West Vineyard Avenue, Oxnard, CA 93030 | 2.6 miles |
| 5 | 1450 Colonia Road, Oxnard, CA 93030 | 3.7 miles |
| 6 | 2601 Peninsula Road, Oxnard, CA 93030 | 4.1 miles |
| 7 | 3300 Turnout Park Circle, Oxnard, CA 93036 | 4.1 miles |

Police Protection Services

The Oxnard Police Department provides police protection services to the City of Oxnard including the project site. The Oxnard Police Department employs approximately 254 sworn officers and 158 civilian support personnel under the leadership of Police Chief Jeri Williams (Oxnard PD 2015). The project site is located within Police Beat 11.

Public Education

OSD provides kindergarten through eighth grade educational services to the residents of the City of Oxnard and a portion of the City of Port Hueneme. District schools include 16 elementary campuses serving grades K-6, ranging in size from 550 to 1,027, and three intermediate sites serving grades 7-8, ranging in size from 777 to 1,255. In total, the District provides education to approximately 17,000 students in kindergarten through eighth grades. In addition to the traditional elementary and intermediate grade levels, the District also offers Pre-K education at seven of the sixteen elementary schools and at San Miguel Preschool (Caldwell Flores Winters, Inc. 2013).

The Dolinka Group, LLC (Dolinka Group) prepared a School Facilities Needs Analysis report for OSD (March 12, 2015). Based on this report, the District's 2014-2015 enrollment totaled 16,932 students (13,555 elementary school students plus 3,377 intermediate school students). In the 2014-2015 school year, the capacity of the facilities for elementary students was 13,808 students (an excess capacity of 253), and the capacity for intermediate school students was 3,222 (exceeding capacity by 155 students). The State of California defines a school's capacity based on the number of permanent classrooms constructed. The District's loading capacity standards are 27 students per classroom between grades K through 3, and 35 students per classroom between grades 4 through 8 (Caldwell Flores Winters, Inc. 2013).

The Dolinka Group, LLC (2015) determined that future housing units within the District would increase by 925. The projected student enrollment from those future housing units would total 209 students (165 for elementary school plus 44 for intermediate school) (Dolinka Group, LLC 2015). This report determined that although there is sufficient capacity currently at the elementary level, the projected

student enrollment from the future housing units will create a shortage at the elementary level and there will continue to be a capacity shortage for intermediate students.

The Rio School District (RSD) serves the unincorporated community of El Rio, the River Park development and portions of the City of Oxnard. The District strives to provide world-class education to its more than 4,950 students through five elementary schools, one K-8 school academy, and two middle schools.

Oxnard Union High School District provides public education for grades 9 through 12 and serves the cities of Oxnard, Camarillo and Port Hueneme.

Parks

Oxnard residents enjoy access to a variety of City parks and open space areas as well as nearby Federal, State, County of Ventura, and City of Port Hueneme parks and beaches. The Channel Islands National Park, Santa Monica National Recreation Area, McGrath State Beach, and Point Mugu State Beach are all close enough for day and weekend use by city residents (Oxnard 2011). Within the City of Oxnard there are approximately 552.54 acres of parks.

Discussion:

a. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities or a need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:

i.) Fire Protection

Less Than Significant Impact. The Oxnard Fire Department provides fire protection services to the City of Oxnard including the project site. The project site is currently used as a public school and would continue to do so with the proposed project. The project site is located near the existing fire lane that would continue to be maintained with the proposed project. The new classroom facilities would be located to the south of the existing fire lane. The proposed project would somewhat increase the land use intensity of the site but it would not result in a substantial increased demand for fire protection services. Therefore, project impact would be less than significant.

ii.) Police Protection

Less Than Significant Impact. The Oxnard Police Department provides police protection services to the City of Oxnard including the project site. The project site is currently used as a public school and would continue to do so with the proposed project. Student capacity with the proposed project would add up to 345 additional students for a total capacity of 900 students on campus. While the additional students would generate some increased demand for police protection services, it would not be a substantial increase in demand. Therefore, project impact would be less than significant.

iii.) Schools

No Impact. The project site is currently used as a public school and would continue to do so with the proposed project. Student capacity with the proposed project would add up to 345 additional students for

a total capacity of 900 students on campus. The new school facilities are needed to accommodate existing and anticipated future enrollment in the OSD. The increased school capacity with the proposed project would have a beneficial impact on school facilities. Therefore, no adverse project impact on school facilities would result.

iv.) Parks

Less Than Significant Impact. The project site is the existing Thurgood Marshall Elementary School that has play areas and fields to support the recreational needs of the students on campus. The proposed project includes a 12-classroom building that would be added on the south and west side of the existing school administration building in the area that is currently utilized as playfields and a blacktop play area. The existing soccer field layout would remain but existing hardtop play areas would be relocated to the east of the proposed new building. While the proposed project would relocate some play areas, the recreational needs of students would continue to be met on campus. Therefore, project impact on parks would be less than significant.

v.) Other Public Facilities

Less Than Significant Impact. Demand for public services is typically linked to an increase in population growth in the area through the development of new housing units or the generation of new jobs. The proposed project would add new school facilities on the existing campus. The new school facilities are needed to accommodate existing and future enrollment in the District. While the proposed project may generate a few additional jobs, it would not be substantial resulting in the need for new or expanded public facilities. Student recreational needs would continue to be met with the on campus play areas and play fields. Therefore, project impact would be less than significant.

Mitigation Measures:

No Mitigation Measures required.

3.4.15 RECREATION

| | | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|--------------------|---|---------------------------------------|---|-------------------------------------|------------------|
| Would the project: | | | | | |
| a. | Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated? | | | X | |
| b. | Include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment? | | X | | |

Existing Conditions:

Within the City of Oxnard there are approximately 552.54 acres of parks. Oxnard residents have access to a variety of City parks and open space areas as well as nearby Federal, State, County of Ventura, and City of Port Hueneme parks and beaches. In addition, the Channel Islands National Park, Santa Monica National Recreation Area, McGrath State Beach, and Point Mugu State Beach are all located close enough for day and weekend use by city residents (Oxnard 2011).

Discussion:

a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

Less Than Significant Impact. The City of Oxnard Recreation & Community Services Department provides park and recreation services in the City. The nearest park to the project site is Cabrillo Park located approximately a half mile to the south of the project site at 1600 Ebony Drive. This 6 acre park has a playground, area lighting, concert walks, and turf areas. Cabrillo Park is one of the many parks in the City of Oxnard designed to meet the recreational needs of the City.

The proposed project is not anticipated to result in a substantial increase in use of area parks since recreational facilities are provided on campus and the proposed project would not induce substantial population growth. The project site is the existing Thurgood Marshall Elementary School that has play areas and fields to support the recreational needs of the students on campus. Demand for park and recreational services is typically linked to an increase in population growth in the area through the development of new housing units or the generation of new jobs. While the proposed project may add a

few additional jobs, it would not be a substantial increase resulting in the need for new or expanded park and recreational facilities. The proposed project would add new school facilities on the existing campus. The new school facilities are needed to accommodate existing and future enrollment in the District and the recreational needs of students during the school day would continue to be met on campus. Therefore, project impact would be less than significant.

b. Does the project include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?

Less Than Significant Impact with Mitigation. The proposed project is relatively small and would not require the construction of new off-site recreational facilities. Student recreational needs would continue to be accommodated on the existing school campus. The proposed project includes a 12-classroom building that would be added on the south and west side of the existing school administration building in the area that is currently utilized as playfields and a blacktop play area. The existing soccer field layout would remain but existing hardtop play areas would be relocated to the east of the proposed new building.

Potential environmental impacts associated with the proposed project, including relocated recreational areas, are discussed by environmental resources topic throughout this IS/MND. While there are no specific Mitigation Measures for recreation required; mitigation measures were identified for other resources topics to reduce potential impacts associated with construction and operation of the proposed project, including relocated recreational areas. Therefore, project impact would be considered less than significant with mitigation incorporated.

Mitigation Measures:

No additional specific Mitigation Measures for recreation are required.

3.4.16 TRANSPORTATION/TRAFFIC

| | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|--------------------|--|--|------------------------------|-----------|
| Would the project: | | | | |
| a. | Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit? | | X | |
| b. | Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways? | | X | |
| c. | Result in a change in air traffic patterns including either an increase in traffic levels or a change in location that results in substantial safety risks? | | | X |
| d. | Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? | | X | |
| e. | Result in inadequate emergency access? | | X | |
| f. | Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities? | | X | |

Existing Conditions:

Associated Transportation Engineers (ATE) prepared a Traffic and Circulation Study for the proposed project that is the basis of the traffic analysis summarized herein and the complete study is provided as Appendix F. The project study area for the Traffic and Circulation Study is generally bounded by

Thurgood Marshall Drive on the north, North Patterson Road on the east, West Gonzales Road on the south, and Merion Way on the west. Primary access to the project site is provided by 2 driveway connections on Thurgood Marshall Drive. The project driveways on Thurgood Marshall Drive are inbound and outbound only providing a counter clockwise circulation pattern for pick-ups and drop-offs.

Existing Street Network

The project site is served by a circulation system comprised of arterials and collector streets. The major roadways serving the site are as follows:

Gonzales Road is a 4- to 6-lane east-west arterial. Providing access to Downtown Oxnard from U.S. Highway 101, the road is primarily fronted by commercial uses. Gonzales Road also fronts the southern border of the Thurgood Marshall School, providing access to the site. Signals are located at Merion Way, Campus Road and Patterson Road within the study area.

Patterson Road is a 2- to 4-lane arterial oriented north-south in the study area. Patterson Road extends north from Channel Islands Boulevard, then transitions eastward as Vineyard Road in north Oxnard. In the study area, Patterson Road is signalized at Gonzales Road.

Thurgood Marshall Drive is a 2- lane roadway that extends north from Gonzales Road to Patterson Road. Thurgood Marshall Drive provides access to the school and the adjacent residential community. Thurgood Marshall Drive is stop-sign controlled at Gonzales Road and Patterson Road.

Bicycle Facilities

Gonzales Road and Patterson Road are identified as part of the City of Oxnard Bikeway System. Class II bike lanes exist along Gonzales Road from Victoria Avenue to "C" Street. Class II bike lanes exist along Patterson Road from Doris Avenue to Gonzales Road. A multi-use path exists on Patterson Road from Gonzales Road to Vineyard Avenue. The multi-use path connects to the Class II bike lane on Vineyard Avenue.

Pedestrian Facilities

There are extensive pedestrian facilities (cross-walks/sidewalks etc.) located in the study area. Existing sidewalks are provided along Gonzales Road, Patterson Road and Thurgood Marshall Drive. The sidewalks connect the school to the residential neighborhoods surrounding the school. Crosswalks are provided at each of the study area intersections. A mid-block crosswalk and an intersection crosswalk are provided on Thurgood Marshall Drive connecting the school to the adjacent gated residential community.

Existing Volumes and Intersection Levels of Service

Traffic flow on urban arterials is most constrained at intersections. Therefore, a detailed analysis of traffic flows must examine the operating conditions of critical intersections during peak travel periods. In rating intersection operations, "Levels of Service" (LOS) A through F are used, with LOS A indicating free flow operations and LOS F indicating congested operations (more complete definitions of levels of service are included in the Traffic Study, Appendix E). LOS C is the minimum acceptable standard for intersection operations in the City of Oxnard.

Table 3-8 lists the existing (2015) levels of service for study area intersections during the A.M. and P.M. peak hour periods. Intersection traffic counts were collected in December 2015. Existing levels of service were calculated for the study area intersections using the Intersection Capacity Utilization (ICU) methodology for signalized intersections, and the Highway Capacity Manual (HCM) methodology for unsignalized intersections, as required by the City of Oxnard.

**Table 3 - 8
Existing Peak Hour Levels of Service**

| Intersection | Control | A.M. Peak Hour | P.M. Peak Hour |
|--|----------------|-----------------------|-----------------------|
| | | ICU-Delay/LOS | ICU-Delay/LOS |
| Gonzales Road/Marion Way | Signal | 0.44/LOS A | 0.38/LOS A |
| Gonzales Road/Campus Way | Signal | 0.59/LOS A | 0.45/LOS A |
| Gonzales Road/Thurgood Marshall Drive | STOP-Sign | 14.8 sec./LOS B | 10.6 sec./LOS B |
| Gonzales Road/Patterson Road | Signal | 0.54/LOS A | 0.47/LOS A |
| Patterson Road/Thurgood Marshall Drive | STOP-Sign | 11.9 sec./LOS B | 10.2 sec./LOS B |

The data presented in Table 3-8 indicates that the study area intersections currently operate at LOS B or better during the A.M. and P.M. peak hour periods, meeting the City's LOS C standard.

Traffic Analysis Scenarios

The traffic analysis includes the following traffic scenarios:

- Existing Conditions
- Existing plus Project Conditions
- Cumulative (Existing plus approved and pending projects) Conditions
- Cumulative + Project Conditions

Traffic Impact Thresholds

The City of Oxnard's criteria for evaluating project impacts at intersections is based upon the change in Intersection Capacity Utilization (ICU)/LOS attributable to the project. The City of Oxnard has established LOS C as the threshold of significance for determining project impacts at intersections. If the addition of project traffic increases the ICU by 0.02 or more at an intersection operating at LOS C or worse, it should be mitigated to the ICU level identified without the project traffic.

Discussion:

a. Would the project conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?

Less Than Significant Impact. Trip generation estimates were calculated for the project based on the rates published in the Institute of Transportation Engineers, Trip Generation, 9th Edition for Elementary

School (Land Use Code #520) and Middle School/Junior High School (Land Use Code #522). Table 3-9 summarizes the average daily, A.M. and P.M. peak hour trips generated by the project.

**Table 3-9
Project Trip Generation**

| Land Use | Size | Average Daily Trips | | A.M. Peak Hour | | P.M. Peak Hour | |
|-------------------------|--------------|---------------------|-------|----------------|----------------|----------------|----------------|
| | | Rate | Trips | Rate | Trips (In/Out) | Rate | Trips (In/Out) |
| Existing: Elementary | 555 Students | 1.29 | 716 | 0.45 | 250 (138/112) | 0.15 | 83 (41/42) |
| Proposed: Middle | 345 Students | 1.62 | 559 | 0.54 | 186 (102/84) | 0.16 | 55 (27/28) |
| Net Change: | | | + 559 | | + 186 (102/84) | | + 55 (27/28) |

The data presented in Table 3-9 show that the proposed project would generate 559 average daily trips (ADT), 186 A.M. peak hour trips, and 55 P.M. peak hour trips. The data presented in Table 3-9 show that the existing school generates 716 ADT, 250 A.M. peak hour trips, and 83 P.M. peak hour trips. The proposed project together with the existing school would generate 1,275 ADT, 436 A.M. peak hour trips, and 138 P.M. peak hour trips.

The Thurgood Marshall School currently operates a student bussing program. The school bussing program provides transportation to and from school for students that live more than 1.5 miles from school, for overflow students, and for special needs students. Currently 239 (43%) of the existing student population are bussed to school. The bussing program reduces the number of school private vehicle trips, thus reducing congestion on City of Oxnard streets during the morning commute period. The bussing program would continue to operate when the school adds the 6th, 7th and 8th grades.

The A.M. and P.M. peak hour trips generated by the project were distributed and assigned to the study area intersections based on school enrollment boundaries provided by the Oxnard School District, as well as a general knowledge of the population in residential areas in the City of Oxnard. Levels of service were calculated for the study area intersections for the existing + project scenario. Tables 3-10 and 3-11 show the results of the LOS calculations and identify the project's impacts based on the City of Oxnard's thresholds.

**Table 3-10
Existing + Project A.M. Peak Hour Levels of Service**

| Intersection | Existing | | Existing + Project | | Change | Impact? |
|--|-----------|-------|--------------------|-------|----------|---------|
| | ICU/Delay | LOS | ICU/Delay | LOS | | |
| Gonzales Road/Merion Way | 0.44 | LOS A | 0.44 | LOS A | 0.00 | No |
| Gonzales Road/Campus Road | 0.59 | LOS A | 0.60 | LOS A | 0,01 | No |
| Gonzales Road/Thurgood Marshall Drive | 14.8 sec. | LOS B | 15.6sec. | LOS C | 0.8 sec. | No |
| Gonzales Road/Patterson Road | 0.54 | LOS A | 0.57 | LOS A | 0.03 | No |
| Patterson Road/Thurgood Marshall Drive | 11.9 sec. | LOS B | 16.2sec. | LOS C | 4.3 sec. | No |

**Table 3-11
Existing + Project P.M. Peak Hour Levels of Service**

| Intersection | Existing | | Existing + Project | | Change | Impact? |
|--|-----------|-------|--------------------|-------|----------|---------|
| | ICU/Delay | LOS | ICU/Delay | LOS | | |
| Gonzales Road/Merion Way | 0.38 | LOS A | 0.38 | LOS A | 0.00 | No |
| Gonzales Road/Campus Road | 0.45 | LOS A | 0.45 | LOS A | 0.00 | No |
| Gonzales Road/Thurgood Marshall Drive | 10.6 sec. | LOS B | 10.8 sec. | LOS B | 0.2 sec. | No |
| Gonzales Road/Patterson Road | 0.47 | LOS A | 0.47 | LOS A | 0.00 | No |
| Patterson Road/Thurgood Marshall Drive | 10.6 sec. | LOS B | 10.7 sec. | LOS B | 0.1 sec. | No |

The data presented in Tables 3-10 and 3-11 indicate that the project would not have a significant impact on study area intersections based on City of Oxnard impact thresholds.

The City of Oxnard requires that intersections be analyzed with the addition of traffic generated by projects which have been approved or are pending within the project study area. ATE and City staff identified 2 approved/pending projects in the vicinity which would add traffic to the study area

intersections. Trip generation estimates were developed for the cumulative developments using rates presented in the ITE, Trip Generation, 9th Edition. The approved/pending projects would generate a total of 16,088 average daily trips; 1,269 A.M. peak hour trips and 1,575 P.M. peak hour trips. The traffic generated by the approved/pending projects was distributed and assigned to the study area intersections based on the location of each project, recent traffic studies, existing traffic patterns as well as a general knowledge of the population, employment and commercial centers in Oxnard. Cumulative levels of service for the study area intersections are shown in Table 3-12.

**Table 3-12
Cumulative Peak Hour Levels of Service**

| Intersection | A.M. Peak Hour | | P.M. Peak Hour | |
|--|----------------|-------|----------------|-------|
| | ICU/Delay | LOS | I ICU/Delay | LOS |
| Gonzales Road/Merion Way | 0.44 | LOS A | 0.38 | LOS A |
| Gonzales Road/Campus Road | 0.60 | LOS A | 0.46 | LOS A |
| Gonzales Road/Thurgood Marshall Drive | 15.1 sec. | LOS C | 10.8 sec. | LOS B |
| Gonzales Road/Patterson Road | 0.56 | LOS A | 0.50 | LOS A |
| Patterson Road/Thurgood Marshall Drive | 14.1 sec. | LOS B | 11.0 sec. | LOS B |

The data presented in Table 3-12 indicate that the study area intersections with the cumulative traffic would operate at LOS C or better during the A.M. peak hour and P.M. peak hour periods. No significant impact on study area intersections based on City of Oxnard impact thresholds would result.

Levels of service were calculated for the study area intersections under the Cumulative + Project scenario and the proposed project would not contribute to a significant cumulative impact on the study area intersections based on City of Oxnard impact thresholds.

Parking Analysis

A total of 88 on-site parking spaces would be provided as part of the Thurgood Marshall School expansion. ATE evaluated the adequacy of the on-site parking supply based on a parking demand survey and empirical parking demand data to determine if the parking supply is sufficient to meet the peak parking demands. Parking demands for the existing elementary school were qualified based on a parking survey conducted at the school. Peak demand estimates for the new school classrooms were developed based on parking rates for Middle School/Junior High School (Land Use Code 522) land uses published in the Institute of Transportation Engineers (ITE), Parking Generation, 4th Edition.

The existing peak parking demand for the 555 student elementary school is 42 parking spaces. Based the ITE parking demand rates, the new 345 middle school students would generate a peak parking demand of 31 additional spaces. Based on the parking survey and the empirical parking demand data, the peak parking demand is 73 parking spaces. The 88 on-site parking spaces would accommodate the peak parking demands for the Thurgood Marshall School.

Collision Analysis

ATE staff reviewed collision data for the Gonzales Road/Merion Way, Gonzales Road/Campus Road, Gonzales Road/Thurgood Marshall Drive, Gonzales Road/Patterson Road and Patterson Road/Thurgood Marshall Drive intersections. The collision data covers a five-year period from January 2009 to December 2013.

At the signalized Gonzales Road/Merion Way intersection, there were a total of 6 collisions with no reported fatalities. The accident rate calculated for the Gonzales Road/Merion Way intersection is 0.17 accidents per million entering vehicles. The statewide average collision rate for similar signalized intersections is 0.43.

At the signalized Gonzales Road/Campus Road intersection, there were a total of 2 collisions with no reported fatalities. The accident rate calculated for the Gonzales Road/Campus Road intersection is 0.05 accidents per million entering vehicles. The statewide average collision rate for similar signalized intersections is 0.43.

At the unsignalized Gonzales Road/Thurgood Marshall Drive intersection, there were a total of 4 collisions with no reported fatalities. The accident rate calculated for the Gonzales Road/Thurgood Marshall Drive intersection is 0.11 accidents per million entering vehicles. The statewide average collision rate for similar unsignalized intersections is 0.14.

At the signalized Gonzales Road/Patterson Road intersection, there were a total of 21 collisions with no reported fatalities. The accident rate calculated for the Gonzales Road/Patterson Road intersection is 0.54 accidents per million entering vehicles. The statewide average collision rate for similar signalized intersections is 0.43. ATE utilized the Caltrans significance test to determine if the number of accidents at the Gonzales Road/Patterson Road intersection were significant. There were 21 reported accidents at the Gonzales Road/Patterson Road intersection which were found to be less than significant (29 accidents required to meet significance threshold).

At the unsignalized Patterson Road/Thurgood Marshall Drive intersection, there were a total of 2 collisions with no reported fatalities. The accident rate calculated for the Patterson Road/Thurgood Marshall Drive intersection is 0.30 accidents per million entering vehicles. The statewide average collision rate for similar unsignalized intersections is 0.14. There were 2 reported accidents at the Patterson Road/Thurgood Marshall Drive intersection which were found to be less than significant (5 accidents required to meet significance threshold).

The accident rates for the majority of the study-area intersections are significantly less than the statewide accident rates for similar intersections. There was one collision involving a pedestrian reported. That collision occurred at the Gonzales Road/Patterson Road intersection at 8:00 A.M. during the morning school arrival period. Based on the Caltrans significance test, the number of accidents at the Gonzales Road/Patterson Road and Patterson Road/Thurgood Marshall Drive intersections was found to be less than significant.

Significance Conclusions

Therefore, proposed project would not conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit and project impact would be less than significant.

b. Would the project conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?

Less than Significant Impact. The City of Oxnard and Ventura County have executed a “Reciprocal Traffic Mitigation Agreement” wherein the City and County agree that a pro-rata share of the costs of mitigations will be collected by each agency for identified traffic impacts in the other jurisdiction and the proposed project would pay relevant development fees. For the purposes of Ventura County Congestion Management Program (CMP) traffic impact analysis, LOS E is considered to be acceptable, and a significant impact occurs if the proposed project increases traffic demand on a CMP facility by 2% of capacity ($V/C > 0.02$), causing or worsening LOS F ($V/C > 1.00$). All five study area intersections along Gonzales Road and Patterson Road are contained in the County's CMP. The intersections are all expected to operate at LOS C or better with the addition of cumulative + project peak hour volumes, and thus would not exceed the CMP LOS E standard. Therefore, project impact would be less than significant.

c. Would the project result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?

No Impact. The nearest airport to the project site is Oxnard Airport, located over a mile to the south of the project site at 2830 Teal Club Rd, Oxnard, CA 93030. Expansion and reconfiguration of the Thurgood Marshall School would not affect air traffic levels at the Oxnard Airport, or change the location of the flight paths. Therefore, no project impact would result.

d. Would the project substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Less Than Significant Impact. The proposed project would not substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment). The project site is currently used as a public school and would continue to do so with the proposed project. Primary access to the project site would be provided by 3 driveway connections on Thurgood Marshall Drive. The project driveways on Thurgood Marshall Drive would allow full access (left-turns and right-turns inbound and outbound). The project parking lot is being modified to increase the supply of parking spaces from 68 parking spaces to 88 parking spaces. No additional site access or circulation improvements are planned as part of the proposed project. Therefore, project impact would be less than significant.

e. Would the project result in inadequate emergency access?

Less Than Significant Impact. The project site is currently used as a public school and would continue to do so with the proposed project. The project site is located near the existing fire lane that would continue to be maintained with the proposed project. Therefore, the proposed project would not result in inadequate emergency access and project impact would be less than significant.

f. Would the project conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?

Less Than Significant Impact. The project site is currently used as a public school and would continue to do so with the proposed project. No new bicycle or pedestrian facilities are planned as part of the

proposed project. There are extensive pedestrian facilities (cross-walks/sidewalks etc.) located in the study area. Existing sidewalks are provided along Gonzales Road, Patterson Road and Thurgood Marshall Drive. The sidewalks connect the school to the residential neighborhoods surrounding the school. Crosswalks are provided at each of the study area intersections. A mid-block crosswalk and an intersection crosswalk are provided on Thurgood Marshall Drive connecting the school to the adjacent gated residential community. In addition, Gonzales Road and Patterson Road are identified as part of the City of Oxnard Bikeway System. Class II bike lanes exist along Gonzales Road from Victoria Avenue to "C" Street. Class II bike lanes exist along Patterson Road from Doris Avenue to Gonzales Road. A multi-use path exists on Patterson Road from Gonzales Road to Vineyard Avenue. The multi-use path connects to the Class II bike lane on Vineyard Avenue. Therefore, the proposed project would not conflict with adopted policies or plans or programs regarding public transit, bicycle, or pedestrian facilities or otherwise decrease the performance or safety of such facilities and project impact would be less than significant.

Mitigation Measures:

No Mitigation Measures are required.

3.4.17 UTILITIES AND SERVICE SYSTEMS

| | | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|--------------------|---|--------------------------------|--|------------------------------|-----------|
| Would the project: | | | | | |
| a. | Exceed wastewater treatment requirements of the applicable regional water quality control board? | | | X | |
| b. | Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? | | | X | |
| c. | Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? | | | X | |
| d. | Have sufficient water supplies available to serve the project from existing entitlements and resources, or would new or expanded entitlements be needed? | | X | | |
| e. | Result in a determination by the wastewater treatment provider that serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments? | | | X | |
| f. | Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs? | | | X | |
| g. | Comply with federal, state, and local statutes and regulations related to solid waste? | | | X | |

Existing Conditions:

The City's water supply consists of imported surface water from the CMWD, imported groundwater from the UWCD, and local groundwater from City wells. Groundwater from City wells and from UWCD, comprises the greatest portion of the City's water supply (Oxnard Public Works 2015c).

The City of Oxnard Wastewater Treatment Plant (OWWTP) currently treats domestic wastewater from the school. The Oxnard Wastewater Treatment Plant is owned and operated by the City of Oxnard and is located at 6001 South Perkins Road, Oxnard, California. The treatment plant is a secondary treatment facility with an ocean outfall (Oxnard Public Works 2015). The OWWTP has a current design capacity of 39.6 million gallons per day Average Dry Weather Flow (ADWF) and 75.4 million gallons per day Peak Wet Weather Flow (PWWF) (Matrix 2006). The City established a Wastewater Conveyance Fund to pay for operations, maintenance, and capital costs of the wastewater collection system, and to establish the Wastewater Treatment Plant Fund to pay for operations, maintenance and capital costs of wastewater treatment. The City also collects sewer connection fees, and/or requires developers to build improvements, to expand the wastewater collection system to service new customers (Matrix 2006).

Waste in the City of Oxnard is primarily transported to the Simi Valley Landfill & Recycling Center (SVLRC) and Toland Road Landfill (CalRecycle 2014).

Discussion:

a. Would the project exceed wastewater treatment requirements of the applicable regional water quality control board?

Less Than Significant Impact. The proposed school expansion would not create a substantial amount of wastewater or exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board. The proposed project must comply with the *Ventura County Technical Guidance Manual for Stormwater Quality Control Measures* (Ventura County Watershed Protection District 2011). The TGM provides guidance for the implementation of stormwater management control measures in new development and redevelopment projects in the County of Ventura and the incorporated cities therein. By adhering to the TGM integrated water resource management and low impact development features would be incorporated into the project. One example of this includes the dry wells that are planned for use. These dry wells and other features would infiltrate, reuse, and/or evaporate water on-site; thereby mitigating the effects of the project's new impervious surface. Therefore, project impact would be less than significant.

b. Would the project require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

Less Than Significant Impact. The 2030 General Plan accounted for development of the project site with a public school. Utilities, including water and sewer, would be extended to the new school building onsite from the existing school. While the proposed project would somewhat increase the land use intensity, the proposed project is relatively small and would not require or result in the construction of new water or wastewater treatment facilities. Therefore, project impact would be less than significant.

c. Would the project require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

Less Than Significant Impact. The proposed project would not create or contribute runoff that would exceed the capacity of the existing drainage system. The proposed project must comply with the *Ventura County Technical Guidance Manual for Stormwater Quality Control Measures* (Ventura County Watershed Protection District 2011). The TGM provides guidance for the implementation of stormwater management control measures in new development and redevelopment projects in the County of Ventura

and the incorporated cities therein. By adhering to the TGM integrated water resource management and low impact development features would be incorporated into the project. One example of this includes the dry wells that are planned for use. These dry wells and other features would infiltrate, reuse, and/or evaporate water on-site; thereby mitigating the effects of the project's new impervious surface. Additionally, these features would be constructed to overflow to the local municipal storm drain system when rainfall exceeds the designed capacity or flow. These features would not only limit surface runoff, but would also improve the quality of runoff by way of sedimentation/settling, filtration, plant uptake, ion exchange, adsorption, and microbially-mediated decomposition. Therefore, project impact would be less than significant.

d. Would the project have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?

Less Than Significant Impact with Mitigation Incorporated. As discussed in Hydrology Section 3.4.9 response b) above, the proposed project would have adequate capacity to serve the proposed project with compliance with water conservation Mitigation Measure Hydro-1. No additional mitigation measures are required. The project would increase capacity of Thurgood Marshall Elementary School to 900 students, a 62 percent increase (i.e., 345 students) from the current capacity of 555 students. There would be no net increase in landscaping or sports fields. The project would connect to the City of Oxnard municipal water system with water conservation features including low flow toilets and waterless urinals. The project would include the use of dry wells to help balance site hydrology (i.e., reduce runoff) and recharge the aquifer. Given the long-term management of local groundwater basins by the City of Oxnard, coupled with incorporation of mitigation measure HYRDO-1 requiring water conservation measures; the project would have a less than significant impact.

e. Has the wastewater treatment provider that serves or may serve the project determined that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Less Than Significant Impact. The 2030 General Plan accounted for development of the project site with a public school. While the proposed project would somewhat increase the land use intensity, the proposed project is relatively small and would not generate a substantial amount of new sewage. The city of Oxnard requires individual building projects to pay the City's sewer connection fees, which provide funds to the City to make improvements identified in utility planning documents. In addition, the City requires individual building projects to provide adequate capacity to convey sewage to a safe point of discharge. Therefore, project impact would be less than significant.

f. Is the project served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?

Less than Significant Impact. Waste in the City of Oxnard is primarily transported to the SVLRC and Toland Road Landfill (CalRecycle 2014). The Toland Road Landfill is a permitted and active landfill that can accept mixed municipal, construction/demolition, agricultural, industrial, and sludge (biosolids) waste. As of June 1, 2006 the remaining capacity was 21,983,000 cubic yards with an estimated closure date of May 31, 2027 (CalRecycle 2016). The SVLRC is a fully permitted non-hazardous municipal solid waste landfill and recycling facility. The SVLRC is permitted to accept up to 3,000 tons per day of refuse and can accept 6,250 tons of recyclable materials. The SVLRC, on average, recycles approximately 25% of all tons accepted (Waste Management 2015). As of April 3, 2012 the remaining landfill capacity was 119,600,000 cubic yards and has an estimated closure date of January 31, 2052. Therefore, the proposed

project would be served by a landfill with sufficient capacity and project impact would be less than significant.

g. Would the project comply with federal, state, and local statutes and regulations related to solid waste?

Less Than Significant Impact. The proposed project would not generate a substantial amounts of solid waste and the project would comply with applicable federal, state, and local statutes and regulations related to solid waste. Project construction waste would be recycled to the extent feasible. Recycle bins for paper, bottles and cans would be provided on campus as part of long-term school operations. Therefore, project impact would be less than significant.

Mitigation Measures:

No additional Mitigation Measures for utility and service systems are required.

3.4.18 MANDATORY FINDINGS OF SIGNIFICANCE

| | | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|---|--|--------------------------------|--|------------------------------|-----------|
| MANDATORY FINDINGS OF SIGNIFICANCE | | | | | |
| a. | Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory? | | X | | |
| b. | Does the project have impacts that are individually limited but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.) | | X | | |
| c. | Does the project have environmental effects that will cause substantial adverse effects on human beings, either directly or indirectly? | | | X | |

Discussion:

a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?

Less than Significant Impact with Mitigation Incorporated. The site of the proposed new building is currently occupied by playfields and blacktop play areas. It does not contain fish or wildlife habitat, natural habitat communities, rare or endangered plant or animal ranges, or important examples of the major periods of California history or prehistory. Use of construction equipment would cause an increase of air emissions during construction activities; however, impacts to air quality would be short-term and reduced to less than significant with implementation of emission control mitigation measures. Noise

impacts would also be temporary and less than significant with the implementation of mitigation measures. Therefore, the proposed project would have a less than significant impact on the environment with the implementation of appropriate mitigation measures (included previously in this IS/MND) and adherence to applicable regulations.

b. Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)

Less than Significant Impact with Mitigation Incorporated. The proposed project would add a 12-classroom building on the south and west side of the existing school administration building in the area that is currently utilized as playfields and a blacktop play area. All individual project impacts can be mitigated to a less than significant level.

CEQA refers to cumulative impacts as “two or more individual effects which, when considered together, are considerable or which compound or increase other environmental impacts.” With the implementation of appropriate mitigation measures included previously in this IS/MND, the proposed project would not generate a cumulatively considerable contribution to a significant cumulative impact.

c. Does the project have environmental effects that would cause substantial adverse effects on human beings, either directly or indirectly?

Less than Significant Impact. No environmental effects have been identified in this IS/MND that would cause substantial adverse effects, either directly or indirectly, on human beings. The proposed project does not involve the use of hazardous materials in a manner that pose any unusual risks. Additionally, the proposed project: 1) does not involve operational noise that would interfere with surrounding uses; 2) would not create a traffic hazard; 3) would not create adverse impacts to water bodies; and 4) would not generate any hazardous wastes. The impact is less than significant.

4.0 LIST OF PREPARERS

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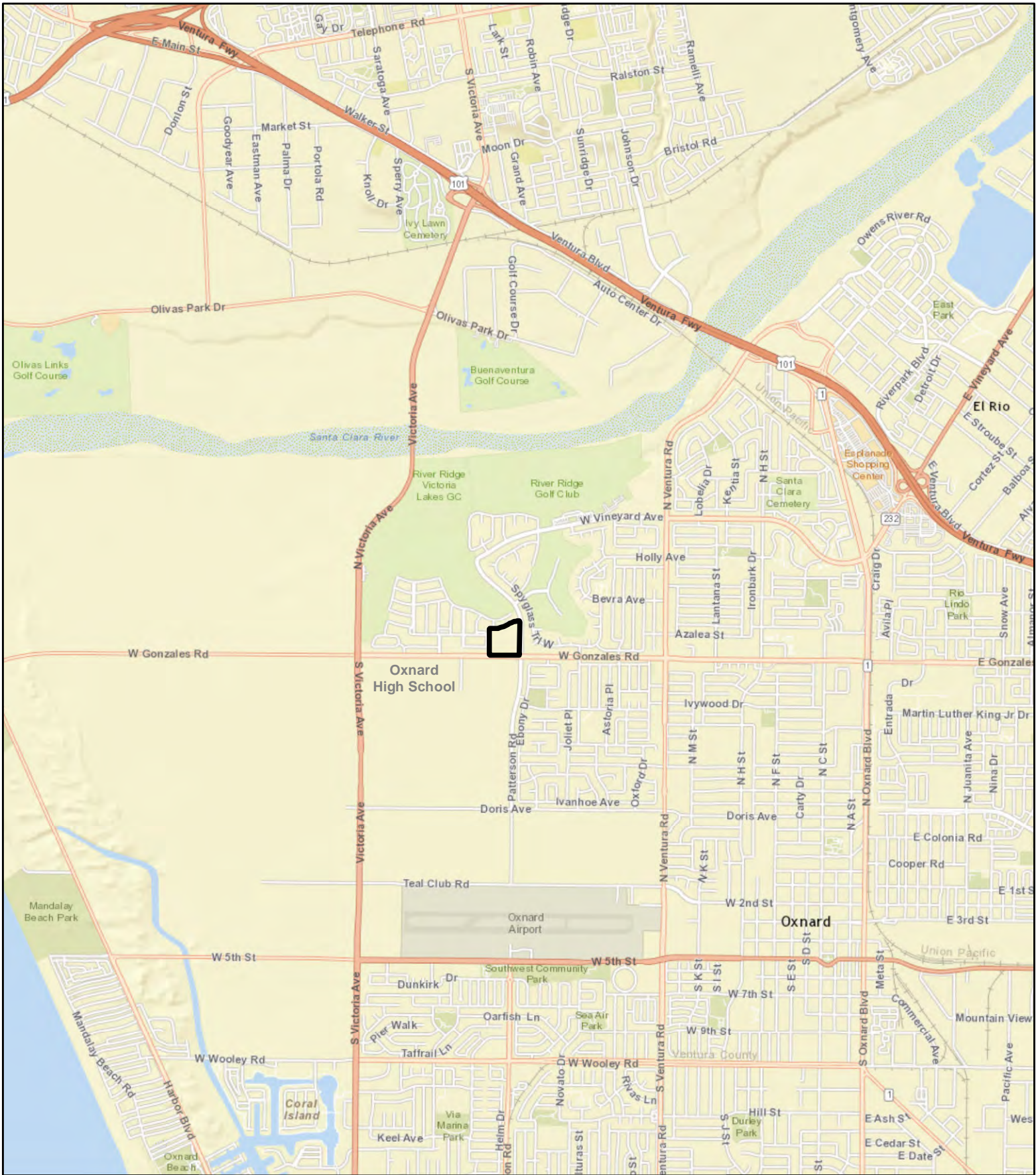
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Legend
 Project Area

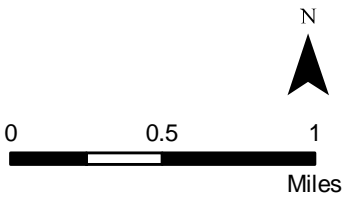


Figure 2-1
Project Location
 Thurgood Marshall Elementary School
 Oxnard, CA



THURGOOD MARSHALL DR

THURGOOD MARSHALL DR

N PATTERSON RD

W GONZALES RD



Legend

 Project Area

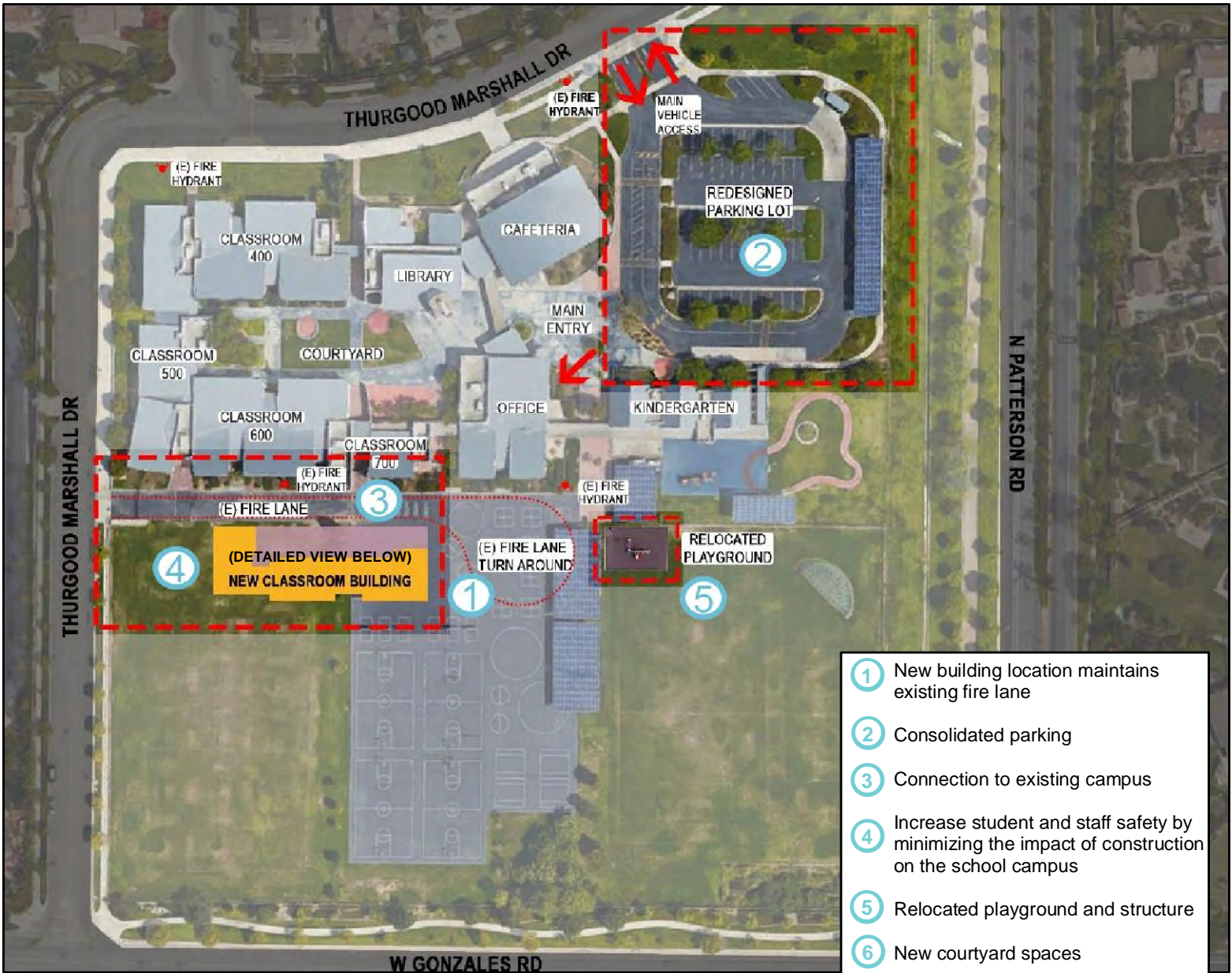
N



0 50 100
Feet

**Figure 2-2
Project Location
Aerial Photograph**

Thurgood Marshall Elementary School
Oxnard, CA



- 1 New building location maintains existing fire lane
- 2 Consolidated parking
- 3 Connection to existing campus
- 4 Increase student and staff safety by minimizing the impact of construction on the school campus
- 5 Relocated playground and structure
- 6 New courtyard spaces
- 7 Existing soccer field layout to remain
- 8 Existing hardtop play areas to be relocated



**Figure 2-3
Conceptual Site Plan**
Thurgood Marshall Elementary School
Oxnard, CA

A CALIFORNIA EMISSIONS ESTIMATOR MODEL DATA

Marshall School
Ventura County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|--------------------|--------|---------|-------------|--------------------|------------|
| Junior High School | 345.00 | Student | 1.00 | 15,200.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.6 | Precipitation Freq (Days) | 31 |
| Climate Zone | 8 | | | Operational Year | 2017 |
| Utility Company | Southern California Edison | | | | |
| CO2 Intensity (lb/MWhr) | 630.89 | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Building square feet 15,212 and lot size estimated as 1 acre.

Construction Phase - Duration estimated by Facilities Implementation Program Manager.

Off-road Equipment - Equipment types estimated by Facility Implementation Manager.

Off-road Equipment - Equipment types estimated by Facility Implementation Manager.

Off-road Equipment - Equipment types estimated by Facility Implementation Manager.

Off-road Equipment - Equipment types estimated by Facility Implementation Manager.

Off-road Equipment - Equipment types estimated by Facility Implementation Manager.

Off-road Equipment - Equipment types estimated by Facility Implementation Manager.

Trips and VMT - Worker trips based on estimated number of workers on site. Hauled material during site preparation and grading based on 10 CY truck capacity.

Demolition -

Grading - Values as entered.

Vehicle Trips -

Construction Off-road Equipment Mitigation - Mitigation as presented.

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

| Table Name | Column Name | Default Value | New Value |
|-------------------------|-----------------------------------|---------------|-----------|
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| tblArchitecturalCoating | ConstArea_Nonresidential_Interior | 22,818.00 | 60,838.00 |
| tblAreaCoating | Area_Nonresidential_Interior | 22818 | 60838 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |

| | | | |
|-------------------------|----------------------------|-----------|--------|
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| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
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| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstructionPhase | NumDays | 5.00 | 20.00 |
| tblConstructionPhase | NumDays | 10.00 | 20.00 |
| tblConstructionPhase | NumDays | 2.00 | 10.00 |
| tblConstructionPhase | NumDays | 5.00 | 60.00 |
| tblConstructionPhase | NumDays | 1.00 | 10.00 |
| tblGrading | AcresOfGrading | 2.50 | 0.50 |
| tblGrading | MaterialExported | 0.00 | 395.00 |
| tblGrading | MaterialImported | 0.00 | 149.00 |

| | | | |
|---------------------|----------------------------|-----------|-----------------------|
| tblLandUse | LandUseSquareFeet | 40,558.78 | 15,200.00 |
| tblLandUse | LotAcreage | 0.93 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
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| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
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| tblOffRoadEquipment | PhaseName | | Grading |
| tblOffRoadEquipment | PhaseName | | Paving |
| tblOffRoadEquipment | PhaseName | | Building Construction |
| tblOffRoadEquipment | PhaseName | | Paving |
| tblOffRoadEquipment | PhaseName | | Paving |
| tblOffRoadEquipment | UsageHours | 6.00 | 5.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 5.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 4.00 |
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| tblOffRoadEquipment | UsageHours | 8.00 | 4.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 4.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 5.00 |

| | | | |
|---------------------------|-------------------|-------|-------|
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| tblOffRoadEquipment | UsageHours | 6.00 | 7.00 |
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| tblOffRoadEquipment | UsageHours | 7.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 5.00 |
| tblProjectCharacteristics | OperationalYear | 2014 | 2017 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 40.00 |
| tblTripsAndVMT | HaulingTripNumber | 68.00 | 15.00 |
| tblTripsAndVMT | VendorTripNumber | 2.00 | 7.00 |
| tblTripsAndVMT | WorkerTripNumber | 10.00 | 13.00 |
| tblTripsAndVMT | WorkerTripNumber | 10.00 | 5.00 |
| tblTripsAndVMT | WorkerTripNumber | 6.00 | 95.00 |
| tblTripsAndVMT | WorkerTripNumber | 1.00 | 3.00 |

2.0 Emissions Summary

2.2 Overall Operational**Unmitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|--------------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.5460 | 3.4000e-004 | 0.0359 | 0.0000 | | 1.3000e-004 | 1.3000e-004 | | 1.3000e-004 | 1.3000e-004 | | 0.0755 | 0.0755 | 2.1000e-004 | | 0.0799 |
| Energy | 5.5700e-003 | 0.0507 | 0.0426 | 3.0000e-004 | | 3.8500e-003 | 3.8500e-003 | | 3.8500e-003 | 3.8500e-003 | | 60.8000 | 60.8000 | 1.1700e-003 | 1.1100e-003 | 61.1700 |
| Mobile | 1.8188 | 3.9278 | 16.9791 | 0.0356 | 2.6516 | 0.0452 | 2.6969 | 0.7069 | 0.0416 | 0.7485 | | 3,016.9018 | 3,016.9018 | 0.1236 | | 3,019.4963 |
| Total | 2.3704 | 3.9788 | 17.0576 | 0.0359 | 2.6516 | 0.0492 | 2.7009 | 0.7069 | 0.0456 | 0.7525 | | 3,077.7773 | 3,077.7773 | 0.1249 | 1.1100e-003 | 3,080.7463 |

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|--------------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.5217 | 3.4000e-004 | 0.0359 | 0.0000 | | 1.3000e-004 | 1.3000e-004 | | 1.3000e-004 | 1.3000e-004 | | 0.0755 | 0.0755 | 2.1000e-004 | | 0.0799 |
| Energy | 5.5700e-003 | 0.0507 | 0.0426 | 3.0000e-004 | | 3.8500e-003 | 3.8500e-003 | | 3.8500e-003 | 3.8500e-003 | | 60.8000 | 60.8000 | 1.1700e-003 | 1.1100e-003 | 61.1700 |
| Mobile | 1.7945 | 3.7398 | 16.3598 | 0.0336 | 2.4959 | 0.0429 | 2.5387 | 0.6653 | 0.0395 | 0.7048 | | 2,846.1224 | 2,846.1224 | 0.1173 | | 2,848.5857 |
| Total | 2.3218 | 3.7908 | 16.4383 | 0.0339 | 2.4959 | 0.0468 | 2.5427 | 0.6653 | 0.0434 | 0.7088 | | 2,906.9979 | 2,906.9979 | 0.1187 | 1.1100e-003 | 2,909.8356 |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 2.05 | 4.72 | 3.63 | 5.60 | 5.87 | 4.84 | 5.86 | 5.87 | 4.80 | 5.81 | 0.00 | 5.55 | 5.55 | 5.00 | 0.00 | 5.55 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 9/1/2016 | 9/28/2016 | 5 | 20 | |
| 2 | Site Preparation | Site Preparation | 9/29/2016 | 10/12/2016 | 5 | 10 | |
| 3 | Grading | Grading | 10/13/2016 | 10/26/2016 | 5 | 10 | |
| 4 | Building Construction | Building Construction | 10/27/2016 | 3/15/2017 | 5 | 100 | |
| 5 | Paving | Paving | 3/16/2017 | 6/7/2017 | 5 | 60 | |
| 6 | Architectural Coating | Architectural Coating | 6/8/2017 | 7/5/2017 | 5 | 20 | |

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 60,838; Non-Residential Outdoor: 20,279 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|-----------------------------------|--------|-------------|-------------|-------------|
| Demolition | Concrete/Industrial Saws | 1 | 5.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 1 | 5.00 | 255 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 2 | 5.00 | 97 | 0.37 |
| Site Preparation | Graders | 1 | 4.00 | 174 | 0.41 |
| Site Preparation | Rubber Tired Dozers | 1 | 5.00 | 255 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 1 | 5.00 | 97 | 0.37 |
| Grading | Concrete/Industrial Saws | 1 | 6.00 | 81 | 0.73 |
| Grading | Rubber Tired Dozers | 1 | 1.00 | 255 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 2 | 6.00 | 97 | 0.37 |
| Building Construction | Air Compressors | 1 | 7.00 | 78 | 0.48 |
| Building Construction | Cement and Mortar Mixers | 1 | 7.00 | 9 | 0.56 |
| Building Construction | Cranes | 1 | 4.00 | 226 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 7.00 | 84 | 0.74 |
| Building Construction | Other Material Handling Equipment | 1 | 6.00 | 167 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Paving | Cement and Mortar Mixers | 0 | 6.00 | 9 | 0.56 |
| Paving | Other Construction Equipment | 1 | 4.00 | 171 | 0.42 |
| Paving | Pavers | 1 | 4.00 | 125 | 0.42 |
| Paving | Plate Compactors | 1 | 7.00 | 8 | 0.43 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Paving | Trenchers | 1 | 6.00 | 80 | 0.50 |
| Architectural Coating | Air Compressors | 1 | 5.00 | 78 | 0.48 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 4 | 13.00 | 0.00 | 40.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 3 | 8.00 | 0.00 | 40.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 4 | 5.00 | 0.00 | 15.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 8 | 95.00 | 7.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 5 | 13.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 3.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Water Exposed Area
- Clean Paved Roads

3.2 Demolition - 2016

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.4333 | 0.0000 | 0.4333 | 0.0656 | 0.0000 | 0.0656 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.6037 | 15.6268 | 11.9284 | 0.0134 | | 0.9337 | 0.9337 | | 0.8764 | 0.8764 | | 1,352.1577 | 1,352.1577 | 0.3320 | | 1,359.1292 |
| Total | 1.6037 | 15.6268 | 11.9284 | 0.0134 | 0.4333 | 0.9337 | 1.3670 | 0.0656 | 0.8764 | 0.9420 | | 1,352.1577 | 1,352.1577 | 0.3320 | | 1,359.1292 |

3.2 Demolition - 2016

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0366 | 0.6094 | 0.4973 | 1.4400e-003 | 0.0347 | 8.8800e-003 | 0.0436 | 9.4900e-003 | 8.1700e-003 | 0.0177 | | 145.1029 | 145.1029 | 9.1000e-004 | | 145.1220 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0499 | 0.0569 | 0.5642 | 1.2100e-003 | 0.1068 | 8.2000e-004 | 0.1076 | 0.0283 | 7.6000e-004 | 0.0291 | | 101.2435 | 101.2435 | 5.2500e-003 | | 101.3538 |
| Total | 0.0865 | 0.6663 | 1.0615 | 2.6500e-003 | 0.1415 | 9.7000e-003 | 0.1512 | 0.0378 | 8.9300e-003 | 0.0467 | | 246.3464 | 246.3464 | 6.1600e-003 | | 246.4758 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.1950 | 0.0000 | 0.1950 | 0.0295 | 0.0000 | 0.0295 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.4668 | 11.5205 | 8.2626 | 0.0134 | | 0.3760 | 0.3760 | | 0.3760 | 0.3760 | 0.0000 | 1,352.1577 | 1,352.1577 | 0.3320 | | 1,359.1292 |
| Total | 0.4668 | 11.5205 | 8.2626 | 0.0134 | 0.1950 | 0.3760 | 0.5710 | 0.0295 | 0.3760 | 0.4055 | 0.0000 | 1,352.1577 | 1,352.1577 | 0.3320 | | 1,359.1292 |

3.2 Demolition - 2016

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0366 | 0.6094 | 0.4973 | 1.4400e-003 | 0.0347 | 8.8800e-003 | 0.0436 | 9.4900e-003 | 8.1700e-003 | 0.0177 | | 145.1029 | 145.1029 | 9.1000e-004 | | 145.1220 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0499 | 0.0569 | 0.5642 | 1.2100e-003 | 0.1068 | 8.2000e-004 | 0.1076 | 0.0283 | 7.6000e-004 | 0.0291 | | 101.2435 | 101.2435 | 5.2500e-003 | | 101.3538 |
| Total | 0.0865 | 0.6663 | 1.0615 | 2.6500e-003 | 0.1415 | 9.7000e-003 | 0.1512 | 0.0378 | 8.9300e-003 | 0.0467 | | 246.3464 | 246.3464 | 6.1600e-003 | | 246.4758 |

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 3.8168 | 0.0000 | 3.8168 | 2.0746 | 0.0000 | 2.0746 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.4961 | 15.8936 | 10.5247 | 0.0106 | | 0.8516 | 0.8516 | | 0.7835 | 0.7835 | | 1,104.1468 | 1,104.1468 | 0.3331 | | 1,111.1408 |
| Total | 1.4961 | 15.8936 | 10.5247 | 0.0106 | 3.8168 | 0.8516 | 4.6684 | 2.0746 | 0.7835 | 2.8581 | | 1,104.1468 | 1,104.1468 | 0.3331 | | 1,111.1408 |

3.3 Site Preparation - 2016

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0732 | 1.2188 | 0.9947 | 2.8800e-003 | 0.0694 | 0.0178 | 0.0871 | 0.0190 | 0.0163 | 0.0353 | | 290.2058 | 290.2058 | 1.8200e-003 | | 290.2440 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0307 | 0.0350 | 0.3472 | 7.5000e-004 | 0.0657 | 5.1000e-004 | 0.0662 | 0.0174 | 4.7000e-004 | 0.0179 | | 62.3037 | 62.3037 | 3.2300e-003 | | 62.3716 |
| Total | 0.1039 | 1.2539 | 1.3419 | 3.6300e-003 | 0.1351 | 0.0183 | 0.1534 | 0.0364 | 0.0168 | 0.0532 | | 352.5094 | 352.5094 | 5.0500e-003 | | 352.6155 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 1.7176 | 0.0000 | 1.7176 | 0.9336 | 0.0000 | 0.9336 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.3455 | 9.1687 | 6.7148 | 0.0106 | | 0.2554 | 0.2554 | | 0.2554 | 0.2554 | 0.0000 | 1,104.1468 | 1,104.1468 | 0.3331 | | 1,111.1408 |
| Total | 0.3455 | 9.1687 | 6.7148 | 0.0106 | 1.7176 | 0.2554 | 1.9730 | 0.9336 | 0.2554 | 1.1890 | 0.0000 | 1,104.1468 | 1,104.1468 | 0.3331 | | 1,111.1408 |

3.3 Site Preparation - 2016

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0732 | 1.2188 | 0.9947 | 2.8800e-003 | 0.0694 | 0.0178 | 0.0871 | 0.0190 | 0.0163 | 0.0353 | | 290.2058 | 290.2058 | 1.8200e-003 | | 290.2440 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0307 | 0.0350 | 0.3472 | 7.5000e-004 | 0.0657 | 5.1000e-004 | 0.0662 | 0.0174 | 4.7000e-004 | 0.0179 | | 62.3037 | 62.3037 | 3.2300e-003 | | 62.3716 |
| Total | 0.1039 | 1.2539 | 1.3419 | 3.6300e-003 | 0.1351 | 0.0183 | 0.1534 | 0.0364 | 0.0168 | 0.0532 | | 352.5094 | 352.5094 | 5.0500e-003 | | 352.6155 |

3.4 Grading - 2016

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.7604 | 0.0000 | 0.7604 | 0.4149 | 0.0000 | 0.4149 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.1506 | 10.0830 | 7.7610 | 0.0105 | | 0.7171 | 0.7171 | | 0.6805 | 0.6805 | | 1,045.444 2 | 1,045.444 2 | 0.2243 | | 1,050.154 2 |
| Total | 1.1506 | 10.0830 | 7.7610 | 0.0105 | 0.7604 | 0.7171 | 1.4775 | 0.4149 | 0.6805 | 1.0955 | | 1,045.444 2 | 1,045.444 2 | 0.2243 | | 1,050.154 2 |

3.4 Grading - 2016

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
| Hauling | 0.0275 | 0.4571 | 0.3730 | 1.0800e-003 | 0.0260 | 6.6600e-003 | 0.0327 | 7.1100e-003 | 6.1200e-003 | 0.0132 | | 108.8272 | 108.8272 | 6.8000e-004 | | | 108.8415 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 |
| Worker | 0.0192 | 0.0219 | 0.2170 | 4.7000e-004 | 0.0411 | 3.2000e-004 | 0.0414 | 0.0109 | 2.9000e-004 | 0.0112 | | 38.9398 | 38.9398 | 2.0200e-003 | | | 38.9822 |
| Total | 0.0467 | 0.4790 | 0.5900 | 1.5500e-003 | 0.0671 | 6.9800e-003 | 0.0741 | 0.0180 | 6.4100e-003 | 0.0244 | | 147.7670 | 147.7670 | 2.7000e-003 | | | 147.8237 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
| Fugitive Dust | | | | | 0.3422 | 0.0000 | 0.3422 | 0.1867 | 0.0000 | 0.1867 | | | 0.0000 | | | | 0.0000 |
| Off-Road | 0.4253 | 9.1585 | 6.9917 | 0.0105 | | 0.3523 | 0.3523 | | 0.3523 | 0.3523 | 0.0000 | 1,045.444 2 | 1,045.444 2 | 0.2243 | | | 1,050.154 2 |
| Total | 0.4253 | 9.1585 | 6.9917 | 0.0105 | 0.3422 | 0.3523 | 0.6944 | 0.1867 | 0.3523 | 0.5390 | 0.0000 | 1,045.444 2 | 1,045.444 2 | 0.2243 | | | 1,050.154 2 |

3.4 Grading - 2016

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
| Hauling | 0.0275 | 0.4571 | 0.3730 | 1.0800e-003 | 0.0260 | 6.6600e-003 | 0.0327 | 7.1100e-003 | 6.1200e-003 | 0.0132 | | 108.8272 | 108.8272 | 6.8000e-004 | | | 108.8415 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 |
| Worker | 0.0192 | 0.0219 | 0.2170 | 4.7000e-004 | 0.0411 | 3.2000e-004 | 0.0414 | 0.0109 | 2.9000e-004 | 0.0112 | | 38.9398 | 38.9398 | 2.0200e-003 | | | 38.9822 |
| Total | 0.0467 | 0.4790 | 0.5900 | 1.5500e-003 | 0.0671 | 6.9800e-003 | 0.0741 | 0.0180 | 6.4100e-003 | 0.0244 | | 147.7670 | 147.7670 | 2.7000e-003 | | | 147.8237 |

3.5 Building Construction - 2016

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
| Off-Road | 2.4709 | 21.9699 | 14.3138 | 0.0220 | | 1.4436 | 1.4436 | | 1.3712 | 1.3712 | | 2,179.5254 | 2,179.5254 | 0.4738 | | | 2,189.4750 |
| Total | 2.4709 | 21.9699 | 14.3138 | 0.0220 | | 1.4436 | 1.4436 | | 1.3712 | 1.3712 | | 2,179.5254 | 2,179.5254 | 0.4738 | | | 2,189.4750 |

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 |
| Vendor | 0.0712 | 0.6956 | 0.9829 | 1.5500e-003 | 0.0460 | 0.0113 | 0.0573 | 0.0131 | 0.0104 | 0.0235 | | 155.2454 | 155.2454 | 1.0600e-003 | | | 155.2678 |
| Worker | 0.3644 | 0.4161 | 4.1229 | 8.8500e-003 | 0.7804 | 6.0300e-003 | 0.7864 | 0.2070 | 5.5400e-003 | 0.2125 | | 739.8561 | 739.8561 | 0.0384 | | | 740.6623 |
| Total | 0.4356 | 1.1118 | 5.1058 | 0.0104 | 0.8264 | 0.0173 | 0.8438 | 0.2201 | 0.0159 | 0.2360 | | 895.1016 | 895.1016 | 0.0395 | | | 895.9301 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
| Off-Road | 1.4291 | 18.8461 | 13.7803 | 0.0220 | | 0.9019 | 0.9019 | | 0.8822 | 0.8822 | 0.0000 | 2,179.5254 | 2,179.5254 | 0.4738 | | | 2,189.4750 |
| Total | 1.4291 | 18.8461 | 13.7803 | 0.0220 | | 0.9019 | 0.9019 | | 0.8822 | 0.8822 | 0.0000 | 2,179.5254 | 2,179.5254 | 0.4738 | | | 2,189.4750 |

3.5 Building Construction - 2016

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0712 | 0.6956 | 0.9829 | 1.5500e-003 | 0.0460 | 0.0113 | 0.0573 | 0.0131 | 0.0104 | 0.0235 | | 155.2454 | 155.2454 | 1.0600e-003 | | 155.2678 |
| Worker | 0.3644 | 0.4161 | 4.1229 | 8.8500e-003 | 0.7804 | 6.0300e-003 | 0.7864 | 0.2070 | 5.5400e-003 | 0.2125 | | 739.8561 | 739.8561 | 0.0384 | | 740.6623 |
| Total | 0.4356 | 1.1118 | 5.1058 | 0.0104 | 0.8264 | 0.0173 | 0.8438 | 0.2201 | 0.0159 | 0.2360 | | 895.1016 | 895.1016 | 0.0395 | | 895.9301 |

3.5 Building Construction - 2017

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.2327 | 19.9930 | 14.0586 | 0.0220 | | 1.2859 | 1.2859 | | 1.2213 | 1.2213 | | 2,159.6361 | 2,159.6361 | 0.4639 | | 2,169.3781 |
| Total | 2.2327 | 19.9930 | 14.0586 | 0.0220 | | 1.2859 | 1.2859 | | 1.2213 | 1.2213 | | 2,159.6361 | 2,159.6361 | 0.4639 | | 2,169.3781 |

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 |
| Vendor | 0.0629 | 0.6242 | 0.9280 | 1.5500e-003 | 0.0461 | 9.7200e-003 | 0.0558 | 0.0131 | 8.9400e-003 | 0.0220 | | 152.7822 | 152.7822 | 1.0000e-003 | | | 152.8032 |
| Worker | 0.3283 | 0.3743 | 3.6919 | 8.8400e-003 | 0.7804 | 5.8200e-003 | 0.7862 | 0.2070 | 5.3700e-003 | 0.2124 | | 711.1189 | 711.1189 | 0.0352 | | | 711.8588 |
| Total | 0.3912 | 0.9985 | 4.6199 | 0.0104 | 0.8265 | 0.0155 | 0.8420 | 0.2201 | 0.0143 | 0.2344 | | 863.9011 | 863.9011 | 0.0362 | | | 864.6620 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
| Off-Road | 1.3140 | 17.8826 | 13.6952 | 0.0220 | | 0.8316 | 0.8316 | | 0.8148 | 0.8148 | 0.0000 | 2,159.6361 | 2,159.6361 | 0.4639 | | | 2,169.3781 |
| Total | 1.3140 | 17.8826 | 13.6952 | 0.0220 | | 0.8316 | 0.8316 | | 0.8148 | 0.8148 | 0.0000 | 2,159.6361 | 2,159.6361 | 0.4639 | | | 2,169.3781 |

3.5 Building Construction - 2017

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 |
| Vendor | 0.0629 | 0.6242 | 0.9280 | 1.5500e-003 | 0.0461 | 9.7200e-003 | 0.0558 | 0.0131 | 8.9400e-003 | 0.0220 | | 152.7822 | 152.7822 | 1.0000e-003 | | | 152.8032 |
| Worker | 0.3283 | 0.3743 | 3.6919 | 8.8400e-003 | 0.7804 | 5.8200e-003 | 0.7862 | 0.2070 | 5.3700e-003 | 0.2124 | | 711.1189 | 711.1189 | 0.0352 | | | 711.8588 |
| Total | 0.3912 | 0.9985 | 4.6199 | 0.0104 | 0.8265 | 0.0155 | 0.8420 | 0.2201 | 0.0143 | 0.2344 | | 863.9011 | 863.9011 | 0.0362 | | | 864.6620 |

3.6 Paving - 2017

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
| Off-Road | 1.2071 | 11.7875 | 7.5577 | 0.0106 | | 0.7523 | 0.7523 | | 0.6928 | 0.6928 | | 1,075.5235 | 1,075.5235 | 0.3234 | | | 1,082.3154 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | | 0.0000 |
| Total | 1.2071 | 11.7875 | 7.5577 | 0.0106 | | 0.7523 | 0.7523 | | 0.6928 | 0.6928 | | 1,075.5235 | 1,075.5235 | 0.3234 | | | 1,082.3154 |

3.6 Paving - 2017

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 |
| Worker | 0.0449 | 0.0512 | 0.5052 | 1.2100e-003 | 0.1068 | 8.0000e-004 | 0.1076 | 0.0283 | 7.4000e-004 | 0.0291 | | 97.3110 | 97.3110 | 4.8200e-003 | | | 97.4123 |
| Total | 0.0449 | 0.0512 | 0.5052 | 1.2100e-003 | 0.1068 | 8.0000e-004 | 0.1076 | 0.0283 | 7.4000e-004 | 0.0291 | | 97.3110 | 97.3110 | 4.8200e-003 | | | 97.4123 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
| Off-Road | 0.9509 | 11.3925 | 7.8465 | 0.0106 | | 0.6186 | 0.6186 | | 0.5817 | 0.5817 | 0.0000 | 1,075.5235 | 1,075.5235 | 0.3234 | | | 1,082.3154 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | | 0.0000 |
| Total | 0.9509 | 11.3925 | 7.8465 | 0.0106 | | 0.6186 | 0.6186 | | 0.5817 | 0.5817 | 0.0000 | 1,075.5235 | 1,075.5235 | 0.3234 | | | 1,082.3154 |

3.6 Paving - 2017

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 |
| Worker | 0.0449 | 0.0512 | 0.5052 | 1.2100e-003 | 0.1068 | 8.0000e-004 | 0.1076 | 0.0283 | 7.4000e-004 | 0.0291 | | 97.3110 | 97.3110 | 4.8200e-003 | | | 97.4123 |
| Total | 0.0449 | 0.0512 | 0.5052 | 1.2100e-003 | 0.1068 | 8.0000e-004 | 0.1076 | 0.0283 | 7.4000e-004 | 0.0291 | | 97.3110 | 97.3110 | 4.8200e-003 | | | 97.4123 |

3.7 Architectural Coating - 2017

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|--------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
| Archit. Coating | 46.9972 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 | |
| Off-Road | 0.2769 | 1.8209 | 1.5567 | 2.4800e-003 | | 0.1445 | 0.1445 | | 0.1445 | 0.1445 | | 234.5400 | 234.5400 | 0.0248 | | | 235.0601 |
| Total | 47.2741 | 1.8209 | 1.5567 | 2.4800e-003 | | 0.1445 | 0.1445 | | 0.1445 | 0.1445 | | 234.5400 | 234.5400 | 0.0248 | | | 235.0601 |

3.7 Architectural Coating - 2017

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|----------|----------------|----------------|--------------------|-----|------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 |
| Worker | 0.0104 | 0.0118 | 0.1166 | 2.8000e-004 | 0.0246 | 1.8000e-004 | 0.0248 | 6.5400e-003 | 1.7000e-004 | 6.7100e-003 | | 22.4564 | 22.4564 | 1.1100e-003 | | | 22.4798 |
| Total | 0.0104 | 0.0118 | 0.1166 | 2.8000e-004 | 0.0246 | 1.8000e-004 | 0.0248 | 6.5400e-003 | 1.7000e-004 | 6.7100e-003 | | 22.4564 | 22.4564 | 1.1100e-003 | | | 22.4798 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
| Archit. Coating | 46.9972 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | | 0.0000 |
| Off-Road | 0.0949 | 1.9604 | 1.5270 | 2.4800e-003 | | 0.0792 | 0.0792 | | 0.0792 | 0.0792 | 0.0000 | 234.5400 | 234.5400 | 0.0248 | | | 235.0601 |
| Total | 47.0921 | 1.9604 | 1.5270 | 2.4800e-003 | | 0.0792 | 0.0792 | | 0.0792 | 0.0792 | 0.0000 | 234.5400 | 234.5400 | 0.0248 | | | 235.0601 |

3.7 Architectural Coating - 2017

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|----------|----------------|----------------|--------------------|-----|------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 |
| Worker | 0.0104 | 0.0118 | 0.1166 | 2.8000e-004 | 0.0246 | 1.8000e-004 | 0.0248 | 6.5400e-003 | 1.7000e-004 | 6.7100e-003 | | 22.4564 | 22.4564 | 1.1100e-003 | | | 22.4798 |
| Total | 0.0104 | 0.0118 | 0.1166 | 2.8000e-004 | 0.0246 | 1.8000e-004 | 0.0248 | 6.5400e-003 | 1.7000e-004 | 6.7100e-003 | | 22.4564 | 22.4564 | 1.1100e-003 | | | 22.4798 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Implement School Bus Program

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 1.7945 | 3.7398 | 16.3598 | 0.0336 | 2.4959 | 0.0429 | 2.5387 | 0.6653 | 0.0395 | 0.7048 | | 2,846.1224 | 2,846.1224 | 0.1173 | | 2,848.5857 |
| Unmitigated | 1.8188 | 3.9278 | 16.9791 | 0.0356 | 2.6516 | 0.0452 | 2.6969 | 0.7069 | 0.0416 | 0.7485 | | 3,016.9018 | 3,016.9018 | 0.1236 | | 3,019.4963 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|--------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Junior High School | 558.90 | 0.00 | 0.00 | 897,511 | 844,793 |
| Total | 558.90 | 0.00 | 0.00 | 897,511 | 844,793 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|--------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Junior High School | 9.50 | 7.30 | 7.30 | 72.80 | 22.20 | 5.00 | 63 | 25 | 12 |

| LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.474465 | 0.063133 | 0.180505 | 0.158349 | 0.070139 | 0.010387 | 0.013452 | 0.017129 | 0.000779 | 0.000670 | 0.005599 | 0.000320 | 0.005072 |

5.0 Energy Detail

5.1 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|---------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 5.5700e-003 | 0.0507 | 0.0426 | 3.0000e-004 | | 3.8500e-003 | 3.8500e-003 | | 3.8500e-003 | 3.8500e-003 | | 60.8000 | 60.8000 | 1.1700e-003 | 1.1100e-003 | 61.1700 |
| NaturalGas Unmitigated | 5.5700e-003 | 0.0507 | 0.0426 | 3.0000e-004 | | 3.8500e-003 | 3.8500e-003 | | 3.8500e-003 | 3.8500e-003 | | 60.8000 | 60.8000 | 1.1700e-003 | 1.1100e-003 | 61.1700 |

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Junior High School | 516.8 | 5.5700e-003 | 0.0507 | 0.0426 | 3.0000e-004 | | 3.8500e-003 | 3.8500e-003 | | 3.8500e-003 | 3.8500e-003 | | 60.8000 | 60.8000 | 1.1700e-003 | 1.1100e-003 | 61.1700 |
| Total | | 5.5700e-003 | 0.0507 | 0.0426 | 3.0000e-004 | | 3.8500e-003 | 3.8500e-003 | | 3.8500e-003 | 3.8500e-003 | | 60.8000 | 60.8000 | 1.1700e-003 | 1.1100e-003 | 61.1700 |

5.2 Energy by Land Use - NaturalGas

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Junior High School | 0.5168 | 5.5700e-003 | 0.0507 | 0.0426 | 3.0000e-004 | | 3.8500e-003 | 3.8500e-003 | | 3.8500e-003 | 3.8500e-003 | | 60.8000 | 60.8000 | 1.1700e-003 | 1.1100e-003 | 61.1700 |
| Total | | 5.5700e-003 | 0.0507 | 0.0426 | 3.0000e-004 | | 3.8500e-003 | 3.8500e-003 | | 3.8500e-003 | 3.8500e-003 | | 60.8000 | 60.8000 | 1.1700e-003 | 1.1100e-003 | 61.1700 |

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|------|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
| Mitigated | 0.5217 | 3.4000e-004 | 0.0359 | 0.0000 | | 1.3000e-004 | 1.3000e-004 | | 1.3000e-004 | 1.3000e-004 | | 0.0755 | 0.0755 | 2.1000e-004 | | | 0.0799 |
| Unmitigated | 0.5460 | 3.4000e-004 | 0.0359 | 0.0000 | | 1.3000e-004 | 1.3000e-004 | | 1.3000e-004 | 1.3000e-004 | | 0.0755 | 0.0755 | 2.1000e-004 | | | 0.0799 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|--------|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | | |
| Architectural Coating | 0.2173 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 | |
| Consumer Products | 0.3253 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 | |
| Landscaping | 3.4600e-003 | 3.4000e-004 | 0.0359 | 0.0000 | | 1.3000e-004 | 1.3000e-004 | | 1.3000e-004 | 1.3000e-004 | | 0.0755 | 0.0755 | 2.1000e-004 | | | 0.0799 |
| Total | 0.5460 | 3.4000e-004 | 0.0359 | 0.0000 | | 1.3000e-004 | 1.3000e-004 | | 1.3000e-004 | 1.3000e-004 | | 0.0755 | 0.0755 | 2.1000e-004 | | | 0.0799 |

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Consumer Products | 0.3010 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 3.4600e-003 | 3.4000e-004 | 0.0359 | 0.0000 | | 1.3000e-004 | 1.3000e-004 | | 1.3000e-004 | 1.3000e-004 | | 0.0755 | 0.0755 | 2.1000e-004 | | 0.0799 |
| Architectural Coating | 0.2173 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.5217 | 3.4000e-004 | 0.0359 | 0.0000 | | 1.3000e-004 | 1.3000e-004 | | 1.3000e-004 | 1.3000e-004 | | 0.0755 | 0.0755 | 2.1000e-004 | | 0.0799 |

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Toilet

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

10.0 Vegetation

Marshall School
Ventura County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|--------------------|--------|---------|-------------|--------------------|------------|
| Junior High School | 345.00 | Student | 1.00 | 15,200.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.6 | Precipitation Freq (Days) | 31 |
| Climate Zone | 8 | | | Operational Year | 2017 |
| Utility Company | Southern California Edison | | | | |
| CO2 Intensity (lb/MWhr) | 630.89 | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Building square feet 15,212 and lot size estimated as 1 acre.

Construction Phase - Duration estimated by Facilities Implementation Program Manager.

Off-road Equipment - Equipment types estimated by Facility Implementation Manager.

Off-road Equipment - Equipment types estimated by Facility Implementation Manager.

Off-road Equipment - Equipment types estimated by Facility Implementation Manager.

Off-road Equipment - Equipment types estimated by Facility Implementation Manager.

Off-road Equipment - Equipment types estimated by Facility Implementation Manager.

Off-road Equipment - Equipment types estimated by Facility Implementation Manager.

Trips and VMT - Worker trips based on estimated number of workers on site. Hauled material during site preparation and grading based on 10 CY truck capacity.

Demolition -

Grading - Values as entered.

Vehicle Trips -

Construction Off-road Equipment Mitigation - Mitigation as presented.

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

| Table Name | Column Name | Default Value | New Value |
|-------------------------|-----------------------------------|---------------|-----------|
| tblArchitecturalCoating | ConstArea_Nonresidential_Exterior | 7,606.00 | 20,279.00 |
| tblArchitecturalCoating | ConstArea_Nonresidential_Interior | 22,818.00 | 60,838.00 |
| tblAreaCoating | Area_Nonresidential_Interior | 22818 | 60838 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |

| | | | |
|-------------------------|----------------------------|-----------|--------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstructionPhase | NumDays | 5.00 | 20.00 |
| tblConstructionPhase | NumDays | 10.00 | 20.00 |
| tblConstructionPhase | NumDays | 2.00 | 10.00 |
| tblConstructionPhase | NumDays | 5.00 | 60.00 |
| tblConstructionPhase | NumDays | 1.00 | 10.00 |
| tblGrading | AcresOfGrading | 2.50 | 0.50 |
| tblGrading | MaterialExported | 0.00 | 395.00 |
| tblGrading | MaterialImported | 0.00 | 149.00 |

| | | | |
|---------------------|----------------------------|-----------|-----------------------|
| tblLandUse | LandUseSquareFeet | 40,558.78 | 15,200.00 |
| tblLandUse | LotAcreage | 0.93 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | PhaseName | | Building Construction |
| tblOffRoadEquipment | PhaseName | | Building Construction |
| tblOffRoadEquipment | PhaseName | | Grading |
| tblOffRoadEquipment | PhaseName | | Paving |
| tblOffRoadEquipment | PhaseName | | Building Construction |
| tblOffRoadEquipment | PhaseName | | Paving |
| tblOffRoadEquipment | PhaseName | | Paving |
| tblOffRoadEquipment | UsageHours | 6.00 | 5.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 5.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 4.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 4.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 4.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 5.00 |

| | | | |
|---------------------------|-------------------|-------|-------|
| tblOffRoadEquipment | UsageHours | 6.00 | 1.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 5.00 |
| tblOffRoadEquipment | UsageHours | 6.00 | 7.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 5.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 6.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 5.00 |
| tblProjectCharacteristics | OperationalYear | 2014 | 2017 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 40.00 |
| tblTripsAndVMT | HaulingTripNumber | 68.00 | 15.00 |
| tblTripsAndVMT | VendorTripNumber | 2.00 | 7.00 |
| tblTripsAndVMT | WorkerTripNumber | 10.00 | 13.00 |
| tblTripsAndVMT | WorkerTripNumber | 10.00 | 5.00 |
| tblTripsAndVMT | WorkerTripNumber | 6.00 | 95.00 |
| tblTripsAndVMT | WorkerTripNumber | 1.00 | 3.00 |

2.0 Emissions Summary

2.2 Overall Operational**Unmitigated Operational**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.0993 | 3.0000e-005 | 3.2300e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 6.1600e-003 | 6.1600e-003 | 2.0000e-005 | 0.0000 | 6.5300e-003 |
| Energy | 1.0200e-003 | 9.2500e-003 | 7.7700e-003 | 6.0000e-005 | | 7.0000e-004 | 7.0000e-004 | | 7.0000e-004 | 7.0000e-004 | 0.0000 | 40.1228 | 40.1228 | 1.5700e-003 | 4.7000e-004 | 40.3017 |
| Mobile | 0.2197 | 0.5057 | 2.0857 | 4.6500e-003 | 0.3384 | 5.8500e-003 | 0.3443 | 0.0904 | 5.3900e-003 | 0.0957 | 0.0000 | 357.7527 | 357.7527 | 0.0146 | 0.0000 | 358.0582 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 12.7803 | 0.0000 | 12.7803 | 0.7553 | 0.0000 | 28.6415 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.2653 | 9.9540 | 10.2194 | 0.0277 | 7.4000e-004 | 11.0301 |
| Total | 0.3200 | 0.5149 | 2.0967 | 4.7100e-003 | 0.3384 | 6.5600e-003 | 0.3450 | 0.0904 | 6.1000e-003 | 0.0964 | 13.0457 | 407.8357 | 420.8814 | 0.7991 | 1.2100e-003 | 438.0380 |

2.2 Overall Operational

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.0949 | 3.0000e-005 | 3.2300e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 6.1600e-003 | 6.1600e-003 | 2.0000e-005 | 0.0000 | 6.5300e-003 |
| Energy | 1.0200e-003 | 9.2500e-003 | 7.7700e-003 | 6.0000e-005 | | 7.0000e-004 | 7.0000e-004 | | 7.0000e-004 | 7.0000e-004 | 0.0000 | 40.1228 | 40.1228 | 1.5700e-003 | 4.7000e-004 | 40.3017 |
| Mobile | 0.2165 | 0.4814 | 2.0053 | 4.3900e-003 | 0.3185 | 5.5400e-003 | 0.3241 | 0.0850 | 5.1000e-003 | 0.0901 | 0.0000 | 337.5089 | 337.5089 | 0.0138 | 0.0000 | 337.7989 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.2325 | 9.5688 | 9.8014 | 0.0243 | 6.5000e-004 | 10.5149 |
| Total | 0.3125 | 0.4907 | 2.0163 | 4.4500e-003 | 0.3185 | 6.2500e-003 | 0.3248 | 0.0850 | 5.8100e-003 | 0.0909 | 0.2325 | 387.2067 | 387.4392 | 0.0397 | 1.1200e-003 | 388.6220 |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------------------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|--------------|-------------|-------------|--------------|-------------|--------------|
| Percent Reduction | 2.37 | 4.71 | 3.84 | 5.52 | 5.87 | 4.73 | 5.85 | 5.88 | 4.75 | 5.80 | 98.22 | 5.06 | 7.95 | 95.03 | 7.44 | 11.28 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 9/1/2016 | 9/28/2016 | 5 | 20 | |
| 2 | Site Preparation | Site Preparation | 9/29/2016 | 10/12/2016 | 5 | 10 | |
| 3 | Grading | Grading | 10/13/2016 | 10/26/2016 | 5 | 10 | |
| 4 | Building Construction | Building Construction | 10/27/2016 | 3/15/2017 | 5 | 100 | |
| 5 | Paving | Paving | 3/16/2017 | 6/7/2017 | 5 | 60 | |
| 6 | Architectural Coating | Architectural Coating | 6/8/2017 | 7/5/2017 | 5 | 20 | |

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 60,838; Non-Residential Outdoor: 20,279 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|-----------------------------------|--------|-------------|-------------|-------------|
| Demolition | Concrete/Industrial Saws | 1 | 5.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 1 | 5.00 | 255 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 2 | 5.00 | 97 | 0.37 |
| Site Preparation | Graders | 1 | 4.00 | 174 | 0.41 |
| Site Preparation | Rubber Tired Dozers | 1 | 5.00 | 255 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 1 | 5.00 | 97 | 0.37 |
| Grading | Concrete/Industrial Saws | 1 | 6.00 | 81 | 0.73 |
| Grading | Rubber Tired Dozers | 1 | 1.00 | 255 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 2 | 6.00 | 97 | 0.37 |
| Building Construction | Air Compressors | 1 | 7.00 | 78 | 0.48 |
| Building Construction | Cement and Mortar Mixers | 1 | 7.00 | 9 | 0.56 |
| Building Construction | Cranes | 1 | 4.00 | 226 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 7.00 | 84 | 0.74 |
| Building Construction | Other Material Handling Equipment | 1 | 6.00 | 167 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Paving | Cement and Mortar Mixers | 0 | 6.00 | 9 | 0.56 |
| Paving | Other Construction Equipment | 1 | 4.00 | 171 | 0.42 |
| Paving | Pavers | 1 | 4.00 | 125 | 0.42 |
| Paving | Plate Compactors | 1 | 7.00 | 8 | 0.43 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 0 | 7.00 | 97 | 0.37 |
| Paving | Trenchers | 1 | 6.00 | 80 | 0.50 |
| Architectural Coating | Air Compressors | 1 | 5.00 | 78 | 0.48 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 4 | 13.00 | 0.00 | 40.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 3 | 8.00 | 0.00 | 40.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 4 | 5.00 | 0.00 | 15.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 8 | 95.00 | 7.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 5 | 13.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 3.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2016

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 4.3300e-003 | 0.0000 | 4.3300e-003 | 6.6000e-004 | 0.0000 | 6.6000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0160 | 0.1563 | 0.1193 | 1.3000e-004 | | 9.3400e-003 | 9.3400e-003 | | 8.7600e-003 | 8.7600e-003 | 0.0000 | 12.2666 | 12.2666 | 3.0100e-003 | 0.0000 | 12.3298 |
| Total | 0.0160 | 0.1563 | 0.1193 | 1.3000e-004 | 4.3300e-003 | 9.3400e-003 | 0.0137 | 6.6000e-004 | 8.7600e-003 | 9.4200e-003 | 0.0000 | 12.2666 | 12.2666 | 3.0100e-003 | 0.0000 | 12.3298 |

3.2 Demolition - 2016

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 3.5000e-004 | 6.1300e-003 | 4.4800e-003 | 1.0000e-005 | 3.4000e-004 | 9.0000e-005 | 4.3000e-004 | 9.0000e-005 | 8.0000e-005 | 1.7000e-004 | 0.0000 | 1.3182 | 1.3182 | 1.0000e-005 | 0.0000 | 1.3184 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 4.6000e-004 | 5.5000e-004 | 5.5100e-003 | 1.0000e-005 | 1.0500e-003 | 1.0000e-005 | 1.0600e-003 | 2.8000e-004 | 1.0000e-005 | 2.9000e-004 | 0.0000 | 0.9258 | 0.9258 | 5.0000e-005 | 0.0000 | 0.9268 |
| Total | 8.1000e-004 | 6.6800e-003 | 9.9900e-003 | 2.0000e-005 | 1.3900e-003 | 1.0000e-004 | 1.4900e-003 | 3.7000e-004 | 9.0000e-005 | 4.6000e-004 | 0.0000 | 2.2441 | 2.2441 | 6.0000e-005 | 0.0000 | 2.2452 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 1.9500e-003 | 0.0000 | 1.9500e-003 | 3.0000e-004 | 0.0000 | 3.0000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 4.6700e-003 | 0.1152 | 0.0826 | 1.3000e-004 | | 3.7600e-003 | 3.7600e-003 | | 3.7600e-003 | 3.7600e-003 | 0.0000 | 12.2666 | 12.2666 | 3.0100e-003 | 0.0000 | 12.3298 |
| Total | 4.6700e-003 | 0.1152 | 0.0826 | 1.3000e-004 | 1.9500e-003 | 3.7600e-003 | 5.7100e-003 | 3.0000e-004 | 3.7600e-003 | 4.0600e-003 | 0.0000 | 12.2666 | 12.2666 | 3.0100e-003 | 0.0000 | 12.3298 |

3.2 Demolition - 2016

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 3.5000e-004 | 6.1300e-003 | 4.4800e-003 | 1.0000e-005 | 3.4000e-004 | 9.0000e-005 | 4.3000e-004 | 9.0000e-005 | 8.0000e-005 | 1.7000e-004 | 0.0000 | 1.3182 | 1.3182 | 1.0000e-005 | 0.0000 | 1.3184 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 4.6000e-004 | 5.5000e-004 | 5.5100e-003 | 1.0000e-005 | 1.0500e-003 | 1.0000e-005 | 1.0600e-003 | 2.8000e-004 | 1.0000e-005 | 2.9000e-004 | 0.0000 | 0.9258 | 0.9258 | 5.0000e-005 | 0.0000 | 0.9268 |
| Total | 8.1000e-004 | 6.6800e-003 | 9.9900e-003 | 2.0000e-005 | 1.3900e-003 | 1.0000e-004 | 1.4900e-003 | 3.7000e-004 | 9.0000e-005 | 4.6000e-004 | 0.0000 | 2.2441 | 2.2441 | 6.0000e-005 | 0.0000 | 2.2452 |

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0191 | 0.0000 | 0.0191 | 0.0104 | 0.0000 | 0.0104 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 7.4800e-003 | 0.0795 | 0.0526 | 5.0000e-005 | | 4.2600e-003 | 4.2600e-003 | | 3.9200e-003 | 3.9200e-003 | 0.0000 | 5.0083 | 5.0083 | 1.5100e-003 | 0.0000 | 5.0401 |
| Total | 7.4800e-003 | 0.0795 | 0.0526 | 5.0000e-005 | 0.0191 | 4.2600e-003 | 0.0233 | 0.0104 | 3.9200e-003 | 0.0143 | 0.0000 | 5.0083 | 5.0083 | 1.5100e-003 | 0.0000 | 5.0401 |

3.3 Site Preparation - 2016

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 3.5000e-004 | 6.1300e-003 | 4.4800e-003 | 1.0000e-005 | 3.4000e-004 | 9.0000e-005 | 4.3000e-004 | 9.0000e-005 | 8.0000e-005 | 1.7000e-004 | 0.0000 | 1.3182 | 1.3182 | 1.0000e-005 | 0.0000 | 1.3184 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.4000e-004 | 1.7000e-004 | 1.7000e-003 | 0.0000 | 3.2000e-004 | 0.0000 | 3.3000e-004 | 9.0000e-005 | 0.0000 | 9.0000e-005 | 0.0000 | 0.2849 | 0.2849 | 1.0000e-005 | 0.0000 | 0.2852 |
| Total | 4.9000e-004 | 6.3000e-003 | 6.1800e-003 | 1.0000e-005 | 6.6000e-004 | 9.0000e-005 | 7.6000e-004 | 1.8000e-004 | 8.0000e-005 | 2.6000e-004 | 0.0000 | 1.6031 | 1.6031 | 2.0000e-005 | 0.0000 | 1.6036 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 8.5900e-003 | 0.0000 | 8.5900e-003 | 4.6700e-003 | 0.0000 | 4.6700e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.7300e-003 | 0.0458 | 0.0336 | 5.0000e-005 | | 1.2800e-003 | 1.2800e-003 | | 1.2800e-003 | 1.2800e-003 | 0.0000 | 5.0083 | 5.0083 | 1.5100e-003 | 0.0000 | 5.0400 |
| Total | 1.7300e-003 | 0.0458 | 0.0336 | 5.0000e-005 | 8.5900e-003 | 1.2800e-003 | 9.8700e-003 | 4.6700e-003 | 1.2800e-003 | 5.9500e-003 | 0.0000 | 5.0083 | 5.0083 | 1.5100e-003 | 0.0000 | 5.0400 |

3.3 Site Preparation - 2016

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 3.5000e-004 | 6.1300e-003 | 4.4800e-003 | 1.0000e-005 | 3.4000e-004 | 9.0000e-005 | 4.3000e-004 | 9.0000e-005 | 8.0000e-005 | 1.7000e-004 | 0.0000 | 1.3182 | 1.3182 | 1.0000e-005 | 0.0000 | 1.3184 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.4000e-004 | 1.7000e-004 | 1.7000e-003 | 0.0000 | 3.2000e-004 | 0.0000 | 3.3000e-004 | 9.0000e-005 | 0.0000 | 9.0000e-005 | 0.0000 | 0.2849 | 0.2849 | 1.0000e-005 | 0.0000 | 0.2852 |
| Total | 4.9000e-004 | 6.3000e-003 | 6.1800e-003 | 1.0000e-005 | 6.6000e-004 | 9.0000e-005 | 7.6000e-004 | 1.8000e-004 | 8.0000e-005 | 2.6000e-004 | 0.0000 | 1.6031 | 1.6031 | 2.0000e-005 | 0.0000 | 1.6036 |

3.4 Grading - 2016

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 3.8000e-003 | 0.0000 | 3.8000e-003 | 2.0700e-003 | 0.0000 | 2.0700e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 5.7500e-003 | 0.0504 | 0.0388 | 5.0000e-005 | | 3.5900e-003 | 3.5900e-003 | | 3.4000e-003 | 3.4000e-003 | 0.0000 | 4.7421 | 4.7421 | 1.0200e-003 | 0.0000 | 4.7634 |
| Total | 5.7500e-003 | 0.0504 | 0.0388 | 5.0000e-005 | 3.8000e-003 | 3.5900e-003 | 7.3900e-003 | 2.0700e-003 | 3.4000e-003 | 5.4700e-003 | 0.0000 | 4.7421 | 4.7421 | 1.0200e-003 | 0.0000 | 4.7634 |

3.4 Grading - 2016

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 1.3000e-004 | 2.3000e-003 | 1.6800e-003 | 1.0000e-005 | 1.3000e-004 | 3.0000e-005 | 1.6000e-004 | 4.0000e-005 | 3.0000e-005 | 7.0000e-005 | 0.0000 | 0.4943 | 0.4943 | 0.0000 | 0.0000 | 0.4944 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 9.0000e-005 | 1.1000e-004 | 1.0600e-003 | 0.0000 | 2.0000e-004 | 0.0000 | 2.0000e-004 | 5.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1781 | 0.1781 | 1.0000e-005 | 0.0000 | 0.1782 |
| Total | 2.2000e-004 | 2.4100e-003 | 2.7400e-003 | 1.0000e-005 | 3.3000e-004 | 3.0000e-005 | 3.6000e-004 | 9.0000e-005 | 3.0000e-005 | 1.3000e-004 | 0.0000 | 0.6724 | 0.6724 | 1.0000e-005 | 0.0000 | 0.6726 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 1.7100e-003 | 0.0000 | 1.7100e-003 | 9.3000e-004 | 0.0000 | 9.3000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.1300e-003 | 0.0458 | 0.0350 | 5.0000e-005 | | 1.7600e-003 | 1.7600e-003 | | 1.7600e-003 | 1.7600e-003 | 0.0000 | 4.7421 | 4.7421 | 1.0200e-003 | 0.0000 | 4.7634 |
| Total | 2.1300e-003 | 0.0458 | 0.0350 | 5.0000e-005 | 1.7100e-003 | 1.7600e-003 | 3.4700e-003 | 9.3000e-004 | 1.7600e-003 | 2.6900e-003 | 0.0000 | 4.7421 | 4.7421 | 1.0200e-003 | 0.0000 | 4.7634 |

3.4 Grading - 2016

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 1.3000e-004 | 2.3000e-003 | 1.6800e-003 | 1.0000e-005 | 1.3000e-004 | 3.0000e-005 | 1.6000e-004 | 4.0000e-005 | 3.0000e-005 | 7.0000e-005 | 0.0000 | 0.4943 | 0.4943 | 0.0000 | 0.0000 | 0.4944 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 9.0000e-005 | 1.1000e-004 | 1.0600e-003 | 0.0000 | 2.0000e-004 | 0.0000 | 2.0000e-004 | 5.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1781 | 0.1781 | 1.0000e-005 | 0.0000 | 0.1782 |
| Total | 2.2000e-004 | 2.4100e-003 | 2.7400e-003 | 1.0000e-005 | 3.3000e-004 | 3.0000e-005 | 3.6000e-004 | 9.0000e-005 | 3.0000e-005 | 1.3000e-004 | 0.0000 | 0.6724 | 0.6724 | 1.0000e-005 | 0.0000 | 0.6726 |

3.5 Building Construction - 2016

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0581 | 0.5163 | 0.3364 | 5.2000e-004 | | 0.0339 | 0.0339 | | 0.0322 | 0.0322 | 0.0000 | 46.4650 | 46.4650 | 0.0101 | 0.0000 | 46.6771 |
| Total | 0.0581 | 0.5163 | 0.3364 | 5.2000e-004 | | 0.0339 | 0.0339 | | 0.0322 | 0.0322 | 0.0000 | 46.4650 | 46.4650 | 0.0101 | 0.0000 | 46.6771 |

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 1.5400e-003 | 0.0165 | 0.0202 | 4.0000e-005 | 1.0600e-003 | 2.6000e-004 | 1.3300e-003 | 3.0000e-004 | 2.4000e-004 | 5.5000e-004 | 0.0000 | 3.3254 | 3.3254 | 2.0000e-005 | 0.0000 | 3.3259 |
| Worker | 7.8800e-003 | 9.4700e-003 | 0.0947 | 2.1000e-004 | 0.0180 | 1.4000e-004 | 0.0181 | 4.7800e-003 | 1.3000e-004 | 4.9100e-003 | 0.0000 | 15.8995 | 15.8995 | 8.2000e-004 | 0.0000 | 15.9167 |
| Total | 9.4200e-003 | 0.0260 | 0.1149 | 2.5000e-004 | 0.0191 | 4.0000e-004 | 0.0195 | 5.0800e-003 | 3.7000e-004 | 5.4600e-003 | 0.0000 | 19.2249 | 19.2249 | 8.4000e-004 | 0.0000 | 19.2426 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0336 | 0.4429 | 0.3238 | 5.2000e-004 | | 0.0212 | 0.0212 | | 0.0207 | 0.0207 | 0.0000 | 46.4649 | 46.4649 | 0.0101 | 0.0000 | 46.6770 |
| Total | 0.0336 | 0.4429 | 0.3238 | 5.2000e-004 | | 0.0212 | 0.0212 | | 0.0207 | 0.0207 | 0.0000 | 46.4649 | 46.4649 | 0.0101 | 0.0000 | 46.6770 |

3.5 Building Construction - 2016

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 1.5400e-003 | 0.0165 | 0.0202 | 4.0000e-005 | 1.0600e-003 | 2.6000e-004 | 1.3300e-003 | 3.0000e-004 | 2.4000e-004 | 5.5000e-004 | 0.0000 | 3.3254 | 3.3254 | 2.0000e-005 | 0.0000 | 3.3259 |
| Worker | 7.8800e-003 | 9.4700e-003 | 0.0947 | 2.1000e-004 | 0.0180 | 1.4000e-004 | 0.0181 | 4.7800e-003 | 1.3000e-004 | 4.9100e-003 | 0.0000 | 15.8995 | 15.8995 | 8.2000e-004 | 0.0000 | 15.9167 |
| Total | 9.4200e-003 | 0.0260 | 0.1149 | 2.5000e-004 | 0.0191 | 4.0000e-004 | 0.0195 | 5.0800e-003 | 3.7000e-004 | 5.4600e-003 | 0.0000 | 19.2249 | 19.2249 | 8.4000e-004 | 0.0000 | 19.2426 |

3.5 Building Construction - 2017

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0592 | 0.5298 | 0.3726 | 5.8000e-004 | | 0.0341 | 0.0341 | | 0.0324 | 0.0324 | 0.0000 | 51.9185 | 51.9185 | 0.0112 | 0.0000 | 52.1527 |
| Total | 0.0592 | 0.5298 | 0.3726 | 5.8000e-004 | | 0.0341 | 0.0341 | | 0.0324 | 0.0324 | 0.0000 | 51.9185 | 51.9185 | 0.0112 | 0.0000 | 52.1527 |

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 1.5400e-003 | 0.0167 | 0.0214 | 4.0000e-005 | 1.2000e-003 | 2.6000e-004 | 1.4600e-003 | 3.4000e-004 | 2.4000e-004 | 5.8000e-004 | 0.0000 | 3.6905 | 3.6905 | 2.0000e-005 | 0.0000 | 0.0000 | 3.6910 |
| Worker | 8.0100e-003 | 9.6000e-003 | 0.0958 | 2.4000e-004 | 0.0203 | 1.5000e-004 | 0.0205 | 5.3900e-003 | 1.4000e-004 | 5.5300e-003 | 0.0000 | 17.2330 | 17.2330 | 8.5000e-004 | 0.0000 | 0.0000 | 17.2508 |
| Total | 9.5500e-003 | 0.0263 | 0.1172 | 2.8000e-004 | 0.0215 | 4.1000e-004 | 0.0219 | 5.7300e-003 | 3.8000e-004 | 6.1100e-003 | 0.0000 | 20.9235 | 20.9235 | 8.7000e-004 | 0.0000 | 0.0000 | 20.9418 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0348 | 0.4739 | 0.3629 | 5.8000e-004 | | 0.0220 | 0.0220 | | 0.0216 | 0.0216 | 0.0000 | 51.9184 | 51.9184 | 0.0112 | 0.0000 | 52.1527 |
| Total | 0.0348 | 0.4739 | 0.3629 | 5.8000e-004 | | 0.0220 | 0.0220 | | 0.0216 | 0.0216 | 0.0000 | 51.9184 | 51.9184 | 0.0112 | 0.0000 | 52.1527 |

3.5 Building Construction - 2017

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 1.5400e-003 | 0.0167 | 0.0214 | 4.0000e-005 | 1.2000e-003 | 2.6000e-004 | 1.4600e-003 | 3.4000e-004 | 2.4000e-004 | 5.8000e-004 | 0.0000 | 3.6905 | 3.6905 | 2.0000e-005 | 0.0000 | 3.6910 |
| Worker | 8.0100e-003 | 9.6000e-003 | 0.0958 | 2.4000e-004 | 0.0203 | 1.5000e-004 | 0.0205 | 5.3900e-003 | 1.4000e-004 | 5.5300e-003 | 0.0000 | 17.2330 | 17.2330 | 8.5000e-004 | 0.0000 | 17.2508 |
| Total | 9.5500e-003 | 0.0263 | 0.1172 | 2.8000e-004 | 0.0215 | 4.1000e-004 | 0.0219 | 5.7300e-003 | 3.8000e-004 | 6.1100e-003 | 0.0000 | 20.9235 | 20.9235 | 8.7000e-004 | 0.0000 | 20.9418 |

3.6 Paving - 2017

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0362 | 0.3536 | 0.2267 | 3.2000e-004 | | 0.0226 | 0.0226 | | 0.0208 | 0.0208 | 0.0000 | 29.2710 | 29.2710 | 8.8000e-003 | 0.0000 | 29.4558 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0362 | 0.3536 | 0.2267 | 3.2000e-004 | | 0.0226 | 0.0226 | | 0.0208 | 0.0208 | 0.0000 | 29.2710 | 29.2710 | 8.8000e-003 | 0.0000 | 29.4558 |

3.6 Paving - 2017

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.2400e-003 | 1.4900e-003 | 0.0148 | 4.0000e-005 | 3.1400e-003 | 2.0000e-005 | 3.1700e-003 | 8.4000e-004 | 2.0000e-005 | 8.6000e-004 | 0.0000 | 2.6697 | 2.6697 | 1.3000e-004 | 0.0000 | 2.6724 |
| Total | 1.2400e-003 | 1.4900e-003 | 0.0148 | 4.0000e-005 | 3.1400e-003 | 2.0000e-005 | 3.1700e-003 | 8.4000e-004 | 2.0000e-005 | 8.6000e-004 | 0.0000 | 2.6697 | 2.6697 | 1.3000e-004 | 0.0000 | 2.6724 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0285 | 0.3418 | 0.2354 | 3.2000e-004 | | 0.0186 | 0.0186 | | 0.0175 | 0.0175 | 0.0000 | 29.2709 | 29.2709 | 8.8000e-003 | 0.0000 | 29.4558 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0285 | 0.3418 | 0.2354 | 3.2000e-004 | | 0.0186 | 0.0186 | | 0.0175 | 0.0175 | 0.0000 | 29.2709 | 29.2709 | 8.8000e-003 | 0.0000 | 29.4558 |

3.6 Paving - 2017

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.2400e-003 | 1.4900e-003 | 0.0148 | 4.0000e-005 | 3.1400e-003 | 2.0000e-005 | 3.1700e-003 | 8.4000e-004 | 2.0000e-005 | 8.6000e-004 | 0.0000 | 2.6697 | 2.6697 | 1.3000e-004 | 0.0000 | 2.6724 |
| Total | 1.2400e-003 | 1.4900e-003 | 0.0148 | 4.0000e-005 | 3.1400e-003 | 2.0000e-005 | 3.1700e-003 | 8.4000e-004 | 2.0000e-005 | 8.6000e-004 | 0.0000 | 2.6697 | 2.6697 | 1.3000e-004 | 0.0000 | 2.6724 |

3.7 Architectural Coating - 2017

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.4700 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.7700e-003 | 0.0182 | 0.0156 | 2.0000e-005 | | 1.4400e-003 | 1.4400e-003 | | 1.4400e-003 | 1.4400e-003 | 0.0000 | 2.1277 | 2.1277 | 2.2000e-004 | 0.0000 | 2.1324 |
| Total | 0.4727 | 0.0182 | 0.0156 | 2.0000e-005 | | 1.4400e-003 | 1.4400e-003 | | 1.4400e-003 | 1.4400e-003 | 0.0000 | 2.1277 | 2.1277 | 2.2000e-004 | 0.0000 | 2.1324 |

3.7 Architectural Coating - 2017

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.0000e-004 | 1.1000e-004 | 1.1400e-003 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 7.0000e-005 | 0.0000 | 0.2054 | 0.2054 | 1.0000e-005 | 0.0000 | 0.2056 |
| Total | 1.0000e-004 | 1.1000e-004 | 1.1400e-003 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 7.0000e-005 | 0.0000 | 0.2054 | 0.2054 | 1.0000e-005 | 0.0000 | 0.2056 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.4700 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 9.5000e-004 | 0.0196 | 0.0153 | 2.0000e-005 | | 7.9000e-004 | 7.9000e-004 | | 7.9000e-004 | 7.9000e-004 | 0.0000 | 2.1277 | 2.1277 | 2.2000e-004 | 0.0000 | 2.1324 |
| Total | 0.4709 | 0.0196 | 0.0153 | 2.0000e-005 | | 7.9000e-004 | 7.9000e-004 | | 7.9000e-004 | 7.9000e-004 | 0.0000 | 2.1277 | 2.1277 | 2.2000e-004 | 0.0000 | 2.1324 |

3.7 Architectural Coating - 2017

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|--------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.0000e-004 | 1.1000e-004 | 1.1400e-003 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 7.0000e-005 | 0.0000 | 0.2054 | 0.2054 | 1.0000e-005 | 0.0000 | 0.2056 | |
| Total | 1.0000e-004 | 1.1000e-004 | 1.1400e-003 | 0.0000 | 2.4000e-004 | 0.0000 | 2.4000e-004 | 6.0000e-005 | 0.0000 | 7.0000e-005 | 0.0000 | 0.2054 | 0.2054 | 1.0000e-005 | 0.0000 | 0.2056 | |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Implement School Bus Program

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.2165 | 0.4814 | 2.0053 | 4.3900e-003 | 0.3185 | 5.5400e-003 | 0.3241 | 0.0850 | 5.1000e-003 | 0.0901 | 0.0000 | 337.5089 | 337.5089 | 0.0138 | 0.0000 | 337.7989 |
| Unmitigated | 0.2197 | 0.5057 | 2.0857 | 4.6500e-003 | 0.3384 | 5.8500e-003 | 0.3443 | 0.0904 | 5.3900e-003 | 0.0957 | 0.0000 | 357.7527 | 357.7527 | 0.0146 | 0.0000 | 358.0582 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|--------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Junior High School | 558.90 | 0.00 | 0.00 | 897,511 | 844,793 |
| Total | 558.90 | 0.00 | 0.00 | 897,511 | 844,793 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|--------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Junior High School | 9.50 | 7.30 | 7.30 | 72.80 | 22.20 | 5.00 | 63 | 25 | 12 |

| LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.474465 | 0.063133 | 0.180505 | 0.158349 | 0.070139 | 0.010387 | 0.013452 | 0.017129 | 0.000779 | 0.000670 | 0.005599 | 0.000320 | 0.005072 |

5.0 Energy Detail

2.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|---------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 30.0567 | 30.0567 | 1.3800e-003 | 2.9000e-004 | 30.1743 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 30.0567 | 30.0567 | 1.3800e-003 | 2.9000e-004 | 30.1743 |
| NaturalGas Mitigated | 1.0200e-003 | 9.2500e-003 | 7.7700e-003 | 6.0000e-005 | | 7.0000e-004 | 7.0000e-004 | | 7.0000e-004 | 7.0000e-004 | 0.0000 | 10.0661 | 10.0661 | 1.9000e-004 | 1.8000e-004 | 10.1274 |
| NaturalGas Unmitigated | 1.0200e-003 | 9.2500e-003 | 7.7700e-003 | 6.0000e-005 | | 7.0000e-004 | 7.0000e-004 | | 7.0000e-004 | 7.0000e-004 | 0.0000 | 10.0661 | 10.0661 | 1.9000e-004 | 1.8000e-004 | 10.1274 |

5.2 Energy by Land Use - NaturalGas
Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------------|----------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Junior High School | 188632 | 1.0200e-003 | 9.2500e-003 | 7.7700e-003 | 6.0000e-005 | | 7.0000e-004 | 7.0000e-004 | | 7.0000e-004 | 7.0000e-004 | 0.0000 | 10.0661 | 10.0661 | 1.9000e-004 | 1.8000e-004 | 10.1274 |
| Total | | 1.0200e-003 | 9.2500e-003 | 7.7700e-003 | 6.0000e-005 | | 7.0000e-004 | 7.0000e-004 | | 7.0000e-004 | 7.0000e-004 | 0.0000 | 10.0661 | 10.0661 | 1.9000e-004 | 1.8000e-004 | 10.1274 |

5.2 Energy by Land Use - NaturalGas

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------------|----------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Junior High School | 188632 | 1.0200e-003 | 9.2500e-003 | 7.7700e-003 | 6.0000e-005 | | 7.0000e-004 | 7.0000e-004 | | 7.0000e-004 | 7.0000e-004 | 0.0000 | 10.0661 | 10.0661 | 1.9000e-004 | 1.8000e-004 | 10.1274 |
| Total | | 1.0200e-003 | 9.2500e-003 | 7.7700e-003 | 6.0000e-005 | | 7.0000e-004 | 7.0000e-004 | | 7.0000e-004 | 7.0000e-004 | 0.0000 | 10.0661 | 10.0661 | 1.9000e-004 | 1.8000e-004 | 10.1274 |

5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|--------------------|-----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Junior High School | 105032 | 30.0567 | 1.3800e-003 | 2.9000e-004 | 30.1743 |
| Total | | 30.0567 | 1.3800e-003 | 2.9000e-004 | 30.1743 |

5.3 Energy by Land Use - Electricity

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|--------------------|-----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Junior High School | 105032 | 30.0567 | 1.3800e-003 | 2.9000e-004 | 30.1743 |
| Total | | 30.0567 | 1.3800e-003 | 2.9000e-004 | 30.1743 |

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-------------|-------------|-------------|--------|-------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.0949 | 3.0000e-005 | 3.2300e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 6.1600e-003 | 6.1600e-003 | 2.0000e-005 | 0.0000 | 6.5300e-003 |
| Unmitigated | 0.0993 | 3.0000e-005 | 3.2300e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 6.1600e-003 | 6.1600e-003 | 2.0000e-005 | 0.0000 | 6.5300e-003 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0397 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0594 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 3.1000e-004 | 3.0000e-005 | 3.2300e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 6.1600e-003 | 6.1600e-003 | 2.0000e-005 | 0.0000 | 6.5300e-003 |
| Total | 0.0993 | 3.0000e-005 | 3.2300e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 6.1600e-003 | 6.1600e-003 | 2.0000e-005 | 0.0000 | 6.5300e-003 |

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0397 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0549 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 3.1000e-004 | 3.0000e-005 | 3.2300e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 6.1600e-003 | 6.1600e-003 | 2.0000e-005 | 0.0000 | 6.5300e-003 |
| Total | 0.0949 | 3.0000e-005 | 3.2300e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 6.1600e-003 | 6.1600e-003 | 2.0000e-005 | 0.0000 | 6.5300e-003 |

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Toilet

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|-------------|---------|
| Category | MT/yr | | | |
| Mitigated | 9.8014 | 0.0243 | 6.5000e-004 | 10.5149 |
| Unmitigated | 10.2194 | 0.0277 | 7.4000e-004 | 11.0301 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|--------------------|--------------------|----------------|---------------|--------------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| Junior High School | 0.836363 / 2.15065 | 10.2194 | 0.0277 | 7.4000e-004 | 11.0301 |
| Total | | 10.2194 | 0.0277 | 7.4000e-004 | 11.0301 |

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|--------------------|--------------------|---------------|---------------|--------------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| Junior High School | 0.732988 / 2.15065 | 9.8014 | 0.0243 | 6.5000e-004 | 10.5149 |
| Total | | 9.8014 | 0.0243 | 6.5000e-004 | 10.5149 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| | MT/yr | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 12.7803 | 0.7553 | 0.0000 | 28.6415 |

8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|--------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| Junior High School | 62.96 | 12.7803 | 0.7553 | 0.0000 | 28.6415 |
| Total | | 12.7803 | 0.7553 | 0.0000 | 28.6415 |

8.2 Waste by Land Use

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|--------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| Junior High School | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

10.0 Vegetation

From: [South Central Coastal Information Center](#)
To: [Farrell, Jenna](#)
Subject: RE: Record Search Request-and question
Date: Tuesday, November 24, 2015 1:22:43 PM

We will have to let you know once we start the search if your "Not to exceed amount" of \$600 is sufficient. This is because we essentially have to do the electronic portion of the record search to see if you are within budget or not. Our turnaround time is up to 5 weeks - not including holiday time off.

Thank you for using the California Historical Resources Information System (CHRIS)
Stacy St. James, Coordinator
South Central Coastal Information Center
C.S.U.F, Dept. of Anthropology, MH 426
800 N. State College Blvd.
Fullerton, CA 92834-6846
Phone 657.278.5395
Fax 657.278.5542

From: Farrell, Jenna [Jenna.Farrell@tetrattech.com]
Sent: Monday, November 23, 2015 11:07 AM
To: sccic@fullerton.edu
Subject: Record Search Request-and question

Hello SCCIC staff:

Do you accept email record search request?

I would like to request a record search for a small project in Ventura County (map attached and Data Request sheet), I can also provide a GIS shapefile for the Project area if that is easier. The project is located on USGS 7.5 quad Oxnard, however no TRS did not come up in PLSS and it is listed as Landgrants/Civil colonies Name: Rio de Santa Clara, UTM 296570.18, 3788823.67 of center point of project. Thurgood Marshall Elementary School (K-5) is located at 2900 Thurgood Marshall Drive in Oxnard, California, 93036. The school occupies Assessor Parcel Number (APN) 179-0-070-010. Oxnard School District (OSD or District) proposes to construct and operate a new two-story, 12-classroom building on the existing Marshall Elementary School site in compliance with current seismic codes.

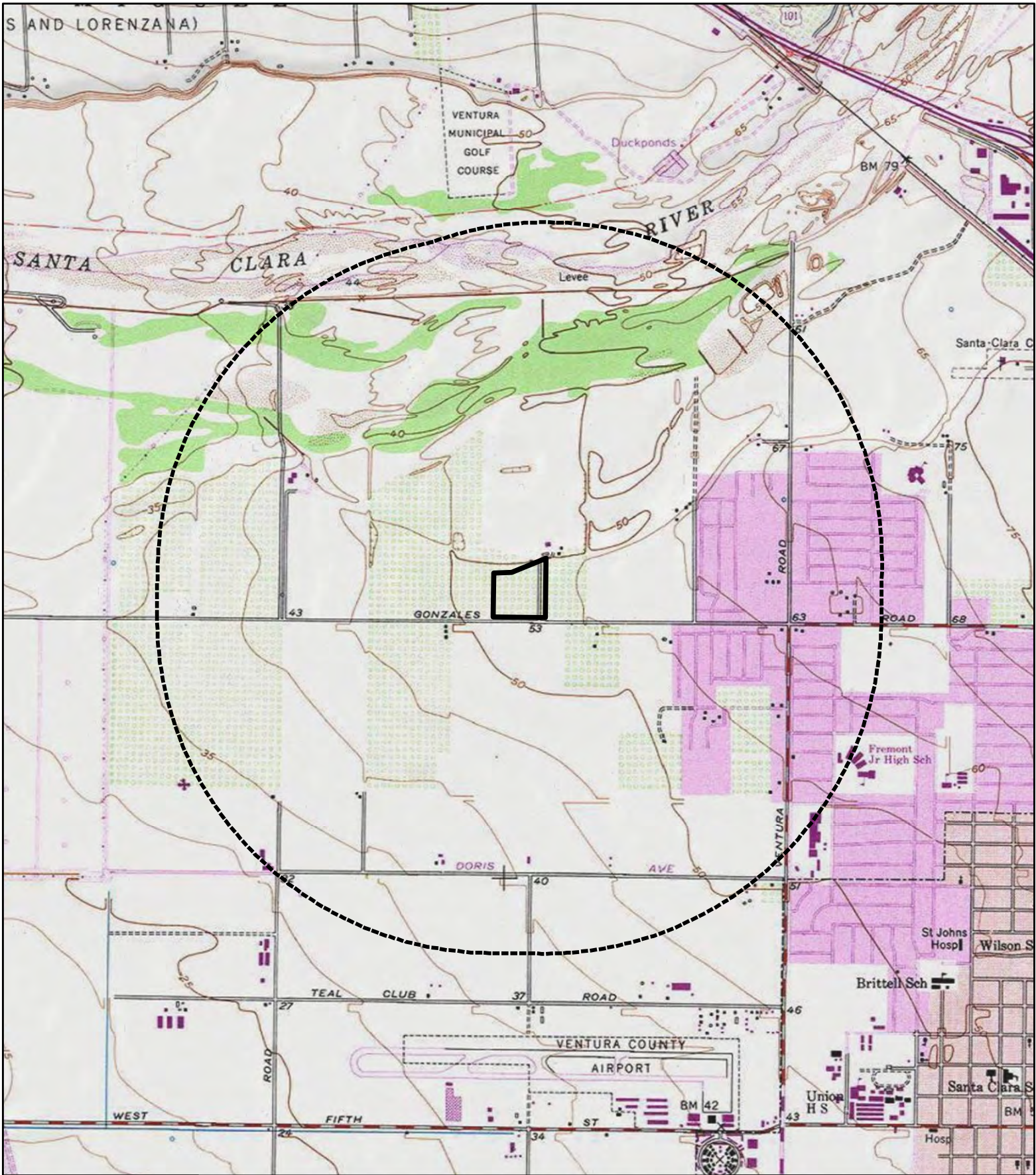
Please do not exceed \$600.00. We would like to request the shapefiles for any previously recorded sites and inventories within a 1-mile radius of the Project. I would also like electronic pdf copies of site records and reports (if under not to exceed cost).

Please accept this email as verification to begin the record search. Please email me and let me know approximately how long it will take the SCCIC to conduct the search and when I should expect the results. Please let me know if you need this information faxed, or any other information.

Thank you,

Jenna Farrell

Jenna Farrell | Archaeologist



Legend

- Project Area
- Project Area 1-mile Radius

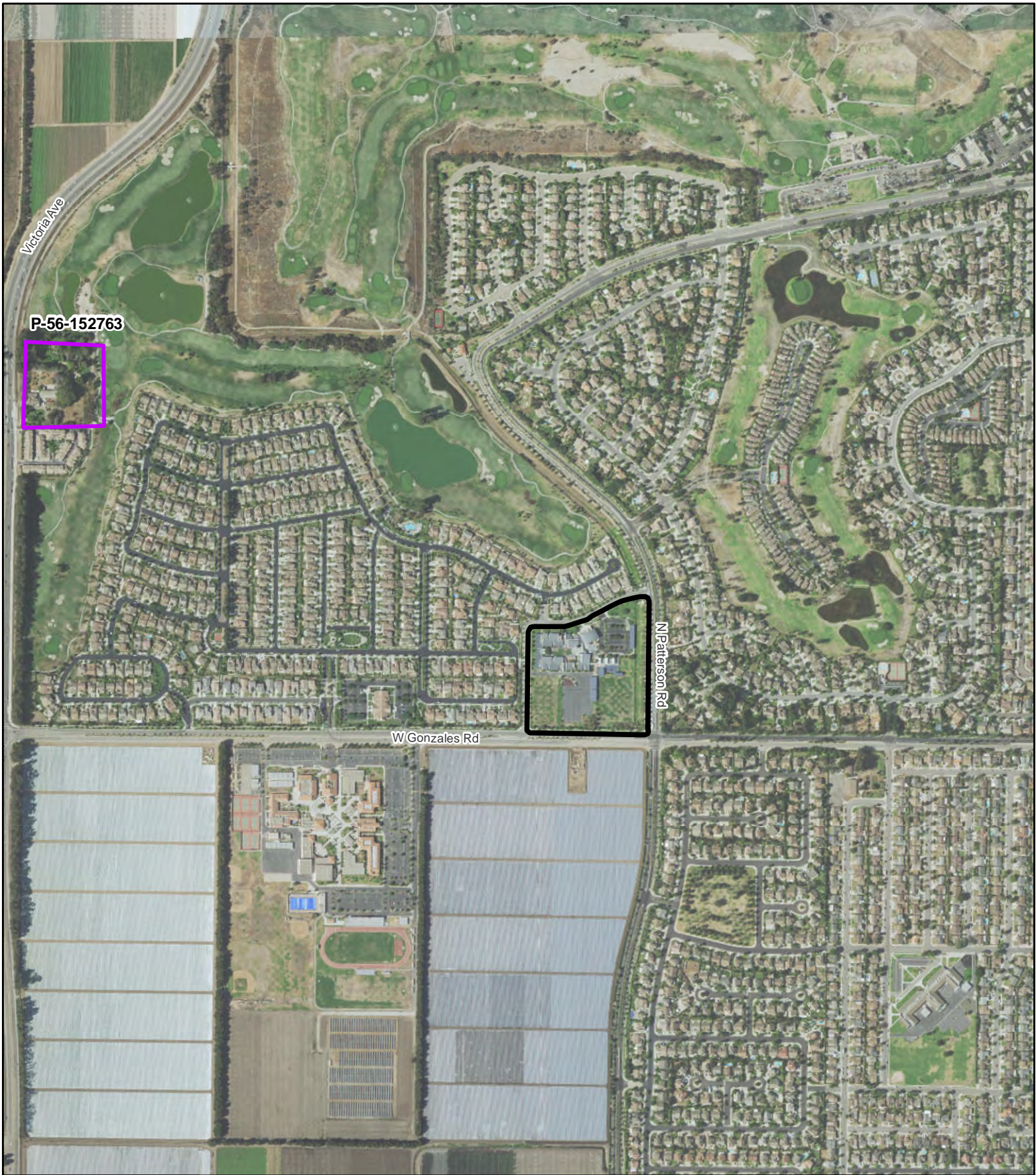
Scale

0 0.25 0.5 Miles

North Arrow

N

Project Location



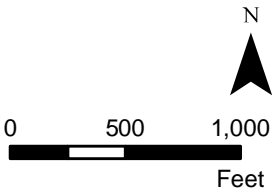
P-56-152763

W Gonzales Rd

N Patterson Rd

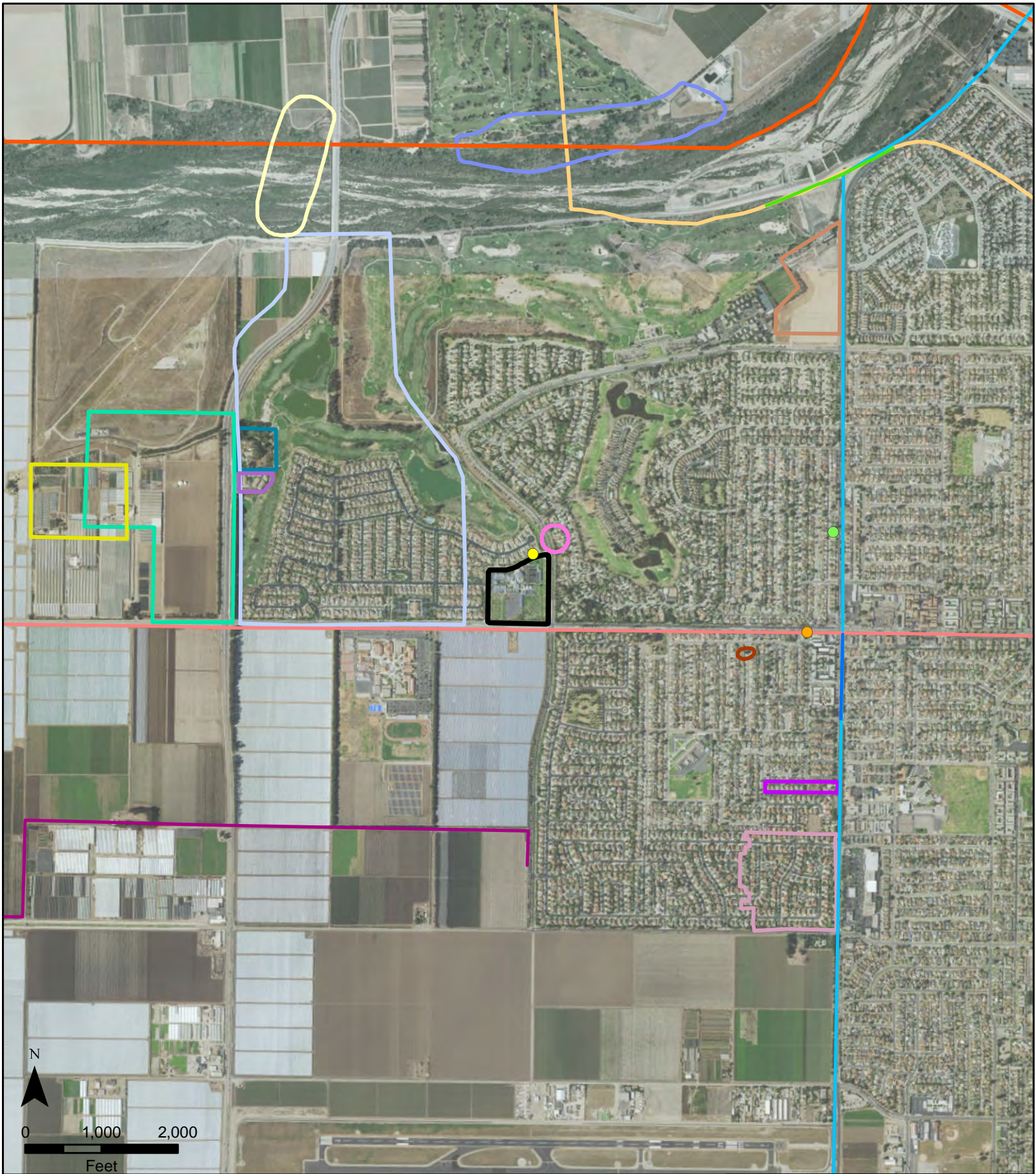


- Legend**
- Project Area
 - Record Search Site



Record Search Sites within the Project Area

Thurgood Marshall Elementary School
Oxnard, CA



Legend

| | | | | |
|----------------------|----------|----------|--------|--------|
| Project Area | VN-02933 | VN-02978 | VN1793 | VN2468 |
| Record Search Report | VN1387 | VN1022 | VN1878 | VN513 |
| VN-02796 | VN236 | VN127 | VN2008 | VN876 |
| VN-02899 | VN2434 | VN1578 | VN2429 | VN971 |
| VN2465 | VN976 | VN1583 | VN2441 | |

**Record Search Reports
within the Project Area**

Thurgood Marshall Elementary School
Oxnard, CA

Report List

| Report No. | Other IDs | Year | Author(s) | Title | Affiliation | Resources |
|------------|-----------|------|------------------------------------|---|---|---|
| VN-00127 | | 1978 | Clelow, William C. Jr. | An Archaeological and Historical Assessment of Areas Within the Takelines of the Proposed Features of the Ventura County Water Management Project | University of California, Los Angeles Archaeological Survey | 56-000071, 56-000170, 56-000171, 56-000214, 56-000215, 56-000216, 56-000217, 56-000218, 56-000219, 56-000272, 56-000445, 56-000446, 56-000447, 56-000448, 56-000450, 56-000451, 56-000452, 56-000455, 56-000456, 56-000493, 56-000555 |
| VN-00236 | | 1980 | Horne, Stephen | Final Report: Onshore Cultural Resources Assessment, Union Oil Company Platform Gina and Platform Gilda Project Federal Lease Ocs P-0202 and P-0216, Offshore Southern California | Dames & Moore/Stephen Horne | 56-000553, 56-000662, 56-000663, 56-000664, 56-000665, 56-000666, 56-000667, 56-001234, 56-120002, 56-120003 |
| VN-00513 | | 1986 | Mouriquand-Blodgett, Leslie | Archival Search for a 31.8 Acre Parcel on the Northwest Corner of Ventura Road and Doris Avenue, Oxnard, California. | LESLIE MOURIQUAND-BLODGETT, | |
| VN-00876 | | 1990 | Wlodarski, Robert J. | A Phase I Archaeological Study for Approximately 20 Acres of Land [c.u.p. #4293-4], Ventura County, California | Historical, Environmental, Archaeological, Research, Team | |
| VN-00971 | | 1990 | Singer, Clay A. and John E. Atwood | Cultural Resources Survey and Impact Assessment for Four Alternative Recycling Station Sites in Ventura County, California | C.A. Singer & Associates, Inc. | 56-000666, 56-000918 |
| VN-00976 | | 1990 | Singer, Clay A. and John E. Atwood | Cultural Resources Survey and Impact Assessment for the Proposed Realignment of the Doris Drain in the City of Oxnard, Ventura County, California | C.A. Singer & Associates, Inc. | |
| VN-01022 | | 1991 | Singer, Clay A. and John E. Atwood | Cultural Resources Survey and Impact Assessment for the Victoria Bridge Widening Project in the City of Ventura, Ventura County, California. | C.A. Singer & Associates, Inc. | |
| VN-01387 | | 1995 | | Phase 1 Archaeological Survey and Cultural Resources Assessment for the Olivas Park Drive Extension Project, Ventura County, California | W & S Consultants | |
| VN-01578 | | 1998 | McKenna, Jeanette A. | Historic Research and Review of the Mcloughlin/ Maxwell Property, Located in Both Unincorporated Ventura County (250 Acres) and the City of Oxnard (80 Acres), Ventura County, California | McKenna et al. | |

Report List

| Report No. | Other IDs | Year | Author(s) | Title | Affiliation | Resources |
|------------|-----------|------|----------------------|--|--|--|
| VN-01583 | | 1997 | Anonymous | Phase 1 Archaeological Survey and Cultural Resources Assessment for the Northwest Golf Course Community Specific Plan Study Area, Oxnard, Ventura County, California | W & S Consultants | |
| VN-01793 | | 1998 | Scheid, Ann | Leonard Ranch Historic District | Ann Scheid, Preservation Planner and Architectural Historian | 56-152763, 56-152764, 56-152765, 56-152766 |
| VN-01878 | | 2000 | Iverson, Gary | Proposed Bridge Replacement on Interstate Route 101: Vineyard Avenue to Johnson Drive | California Department of Transportation, District 7 | |
| VN-02008 | | 2001 | Martinez, Al | Nhpa Section 106 Review, Per Fcc Direction of Sprint Pcs Wireless Communications Facility No. Vr54x442d (Iemon Grove Located at South East Corner of Victoria Avenue and Gonzales Road, Oxnard, California 93030 | Michael Brandman Associates | |
| VN-02429 | | 2005 | Simon, Joseph M. | Phase I Archaeological Survey for the Villa Victoria Study Area, Oxnard, Ventura County, California | W & S Consultants | |
| VN-02434 | | 2006 | Maki, Mary K. | Archaeological Survey Report of Approximately 44,000 Linear Feet for the Recycled Water Backbone System Project, City of Oxnard, Ventura County, California | Conejo Archaeological Consultants | 56-000662, 56-000664, 56-150015, 56-150016, 56-150017, 56-152763, 56-152786, 56-152788, 56-152790, 56-152791, 56-152792, 56-152801, 56-152803, 56-152804, 56-152805, 56-152807, 56-152808, 56-152809, 56-152812, 56-152814 |
| VN-02441 | Paleo - | 2005 | Richards, Michael D. | A Phase I Cultural Resource Assessment of 21 Acres in the City of Oxnard, Ventura County, California | ArchaeoPaleo Resource Management, Inc. | |
| VN-02465 | | 2004 | McKenna, Jeanette A. | Cultural Resources Monitoring Program at the McLaughlin House, Oxnard, Ventura County | McKenna et al. | |
| VN-02468 | | 2003 | Foster, John M. | Archaeological Investigation for Tentative Tract | Greenwood and Associates | |
| VN-02796 | | 2009 | Schmidt, June A. | Moorpark-Shellline-Valdez 66kV New Pole Installation/ Old Pole Removal and WO 6039-4800; 9-4857 Deteriorated Pole Replacements, Various Distribution Circuits, Ventura County, California | Compass Rose Archaeological, Inc. | 56-000031, 56-000032, 56-000033, 56-000034, 56-000201, 56-000241, 56-152746, 56-152747, 56-152748 |

Report List

| Report No. | Other IDs | Year | Author(s) | Title | Affiliation | Resources |
|------------|-----------|------|-----------------------------|--|-----------------------------------|---|
| VN-02899 | | 2010 | Bonner, Wayne | Cultural Resources Records Search and Site Visit Results for T-Mobile USA Candidate SV12609-A (Ventura & Bevra JPA), Adjacent to 2045 North Ventura Road, Ventura County, California | Michael Brandman Associates | |
| VN-02933 | | 2011 | Toren, A. George | Phase I Archaeological Investigation for the City of Oxnard Recycled Water Project New Alignment | Compass Rose Archaeological, Inc. | |
| VN-02978 | | 2004 | Sharpe, Jim and Durio, Lori | Groundwater Recovery Enhancement and Treatment (GREAT) Program, Cultural Resources Inventory Report | CH2MHill | 56-000506, 56-000662, 56-000664, 56-000665, 56-000666, 56-000726, 56-000789, 56-000918, 56-100060, 56-152779, 56-152780, 56-152781, 56-152782, 56-152783, 56-152784 |

**C NATIVE AMERICAN HERITAGE COMMISSION SLF
SEARCH AND NATIVE AMERICAN CONTACT LIST**

From: Farrell, Jenna
To: ["nahc@nahc.ca.gov"](mailto:nahc@nahc.ca.gov)
Subject: Sacred Lands File Search Request-Thurgood Marshall Elementary School Project
Date: Wednesday, January 13, 2016 4:49:00 PM
Attachments: [Marshal School Project.pdf](#)

To NAHC Staff:

Please find attached a request for a sacred lands file search for the Thurgood Marshall Elementary School Project, Ventura County, California. Please let me know if you have any questions or comments.

Thank you,

Jenna Farrell

Jenna Farrell | Archaeologist

Direct: 916.853.4575 | Main: 916.852.8300 | Fax: 916.852.0307 | Cell: 916.206.8705

Jenna.Farrell@tetrattech.com

Tetra Tech, Inc. | Sciences

2969 Prospect Park Drive, Suite 100 | Rancho Cordova, CA 95670 | www.tetrattech.com

Sacred Lands File & Native American Contacts List Request

NATIVE AMERICAN HERITAGE COMMISSION

1550 Harbor Blvd, Suite 100
West Sacramento, CA 95501
(916) 373-3710
(916) 373-5471 – Fax
nahc@nahc.ca.gov

Information Below is Required for a Sacred Lands File Search

Project: _____

County: _____

USGS Quadrangle

Name: _____

Township: _____ Range: _____ Section(s): _____

Company/Firm/Agency:

Contact Person: _____

Street Address: _____

City: _____ Zip: _____

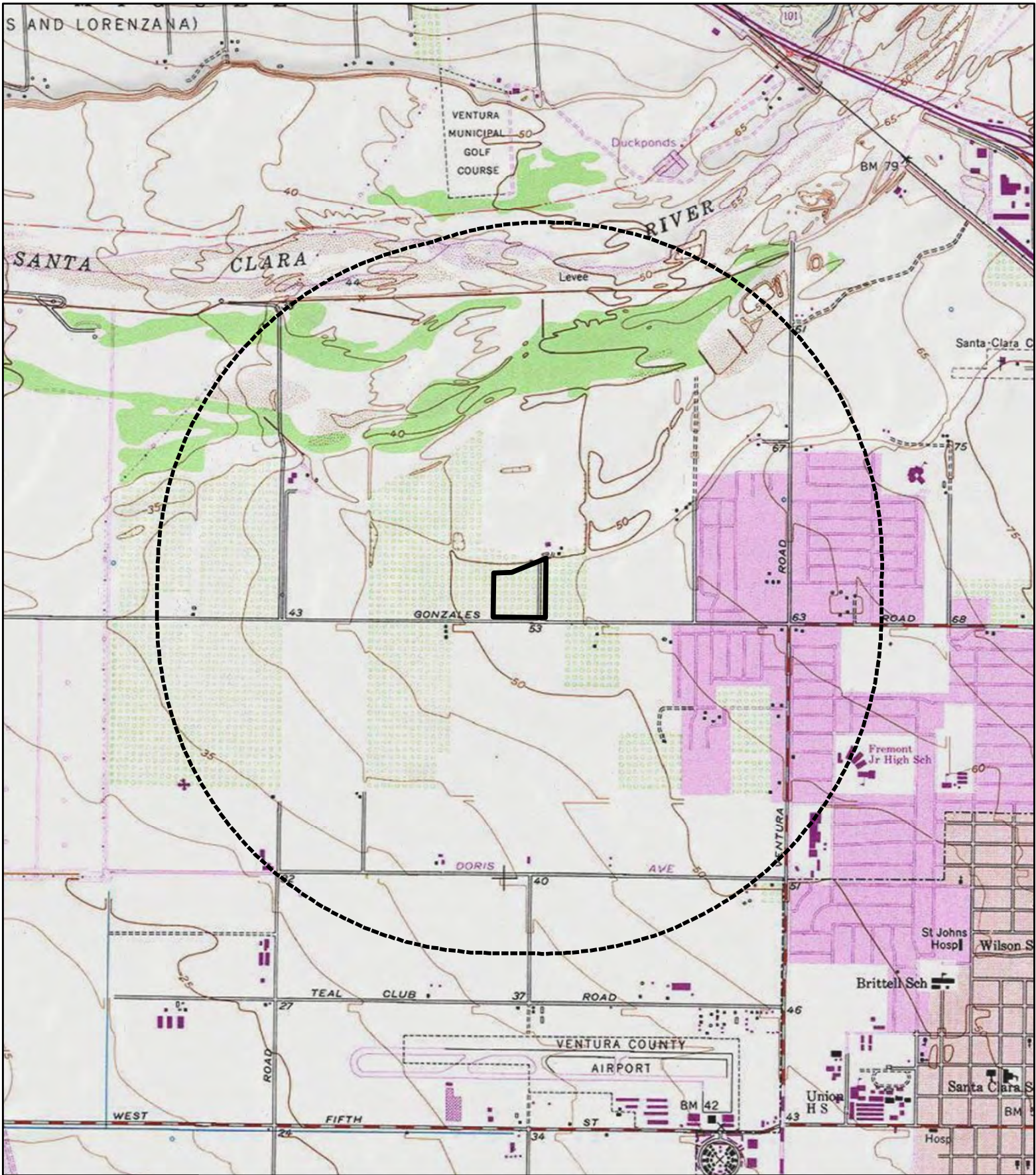
Phone: _____ Extension: _____

Fax: _____

Email: _____

Project Description:

____ Project Location Map is attached



Legend

- Project Area
- Project Area 1-mile Radius

N

0 0.25 0.5

Miles

Marshall School Project Location

NATIVE AMERICAN HERITAGE COMMISSION

1550 Harbor Blvd., ROOM 100
West SACRAMENTO, CA 95691
(916) 373-3710
Fax (916) 373-5471



January 25, 2016

Jenna Farrell
Tetra Tech, Inc.
2969 Prospect Park Dr., Suite 100
Rancho Cordova, CA 95670

Email to: jenna.farrell@tetrattech.com

Re: Thurgood Marshall Elementary School Project; River Park School District Project

Dear Ms. Farrell,

A record search of the sacred land file has failed to indicate the presence of Native American cultural resources in the immediate project areas. The absence of specific site information in the sacred lands file does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Enclosed is a list of Native Americans individuals/organizations who may have knowledge of cultural resources in the project area. The Commission makes no recommendation or preference of a single individual, or group over another. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated, if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe or group. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from any of these individuals or groups, please notify me. With your assistance we are able to assure that our lists contain current information. If you have any questions or need additional information, please contact me at (916) 373-3712.

Sincerely,

A handwritten signature in black ink, appearing to read "Joshua Standing Horse".

Joshua Standing Horse
Associate Governmental Program Analyst

**Native American Contact List
Ventura County
January 26, 2016**

Barbareno/Ventureno Band of Mission Indians
Julie Lynn Tumamait-Stennslie, Chair
365 North Poli Ave Chumash
Ojai , CA 93023
jtumamait@hotmail.com
(805) 646-6214

Coastal Band of the Chumash Nation
Mia Lopez, Chairperson
, Chumash
cbcn.nahc.sb@gmail.com
(805) 324-0135

Barbareno/Ventureno Band of Mission Indians
Kathleen Pappo
2762 Vista Mesa Drive Chumash
Rancho Pales Verdes CA 90275
(310) 831-5295

Coastal Band of the Chumash Nation
Gino Altarmirano
, Chumash
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(510) 862-7615

Barbareno/Ventureno Band of Mission Indians
Raudel Joe Banuelos, Jr.
331 Mira Flores Court Chumash
Camarillo , CA 93012
(805) 987-5314

Coastal Band of the Chumash Nation
Isabel Ayala
, Chumash
cbcn.nahc.ventura@gmail.com
(661) 340-6997

This list is current only as of the date of this document.

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This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed Thurgood Marshall Elementary School Project & River Park School District Project, Ventura County.

**Native American Contact List
Ventura County
January 26, 2016**

San Luis Obispo County Chumash Council
Chief Mark Steven Vigil
1030 Ritchie Road Chumash
Grover Beach CA 93433
(805) 481-2461

(805) 474-4729 Fax

Santa Ynez Tribal Elders Council
Antonio Flores, Chairperson
P.O. Box 365 Chumash
Santa Ynez , CA 93460
elders@santaynezechumash.org
(805) 688-7997

(805) 693-1768 Fax

Santa Ynez Band of Mission Indians
Vincent Armenta, Chairperson
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varmenta@santaynezechumash.
(805) 688-7997

(805) 686-9578 Fax

Santa Ynez Tribal Elders Council
Freddie Romero, Cultural Resources Coordinator
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Santa Ynez , CA 93460
freddyromero1959@yahoo.com
(805) 688-7997, Ext 37

Santa Ynez Band of Mission Indians
Tribal Admin/Counsel Sam Cohen
P.O. Box 517 Chumash
Santa Ynez , CA 93460
info@santaynezechumash.org
(805) 688-7997

(805) 686-9578 Fax

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February/March, 2016

Address

Address

Address

Submittal via email:

Subject: Thurgood Marshall School Project, Ventura County, California - Proposed Construction of a New Two-Story, 12-Classroom Building on the Existing Thurgood Marshall School Property

Dear Mr./Ms.:

Tetra Tech, Inc. is assisting the Oxnard School District (OSD or District) with an Initial Study for the proposed Thurgood Marshall School Project. Thurgood Marshall Elementary School (K-5) is located at 2900 Thurgood Marshall Drive in Oxnard, California, 93036. The school occupies Assessor Parcel Number (APN) 179-0-070-010 (see attachments 1 and 2). OSD proposes to construct and operate a new two-story, 12-classroom building on the existing Marshall Elementary School site in compliance with current seismic codes. The school would be reconfigured to include grades 6th through 8th thereby accommodating students in grades K-8 at the Thurgood Marshall Elementary School site (herein referred to as the project). The new facilities are needed to accommodate growing District enrollment in the 6th through 8th grades.

The existing 11-acre elementary school site was developed in 2003. It is bounded by Thurgood Marshall Drive on the north and west, by Patterson Road on the east, and by Gonzales Road on the south. The Project site is primarily surrounded by single-family residential communities including Victoria Estates to the north and west, and Windsor North River Ridge to the east. The Cabrillo neighborhood is located to the southeast, and agriculture land is located to the south. The Project is subject to the requirements of the California Environmental Quality Act (CEQA), and OSD is the lead agency for CEQA. As part of the Initial Study, a cultural resources record and literature search was conducted at the South Central Coastal Information Center (SCCIC) of the California Historical Resources Information System at the California State University, Fullerton, California (IC File Number 15844-1889). The records search revealed that a total of 22 previous cultural resources investigations have been conducted within the Project study area (the Project Area of Potential Effect or APE and a 1-mile radius), and no previous investigation or archaeological sites or historic resources are recorded within the Project's APE. An archeological survey has not been conducted at this time as the Project area is developed (structures, pavement, and landscaping with non-native grasses and ornamental trees), and the native ground surface is not visible.

The Native American Heritage Commission (NAHC) was contacted by email on January 13, 2016 to request a sacred lands file search. The NAHC responded on January 27, 2016 that no Native American cultural resources were identified by their search as within the immediate Project area. The NAHC provided a list of Native American individuals and organizations that may have knowledge of cultural resources in the Project area. Your

Tetra Tech, Inc.

2969 Prospect Park Drive, Suite 100, Rancho Cordova, CA 95670

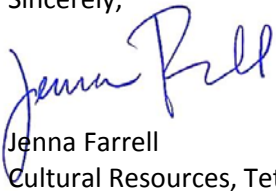
Tel 916.852.8300 Fax 916.852.0307 www.tetrattech.com

name was included on the NAHC list and we are contacting you as part of our outreach efforts to identify any known cultural resources within the Project study area, or if you have any other questions or interest in the Project.

We understand that under AB 52, the lead State/public agency is responsible for formal government-to-government consultation with Native American tribes for this Project. This letter does not take the place of nor is it intended to serve as official government-to-government consultation.

I hope this information on the proposed Project has been helpful. If you require any additional details, copies of maps, or other data regarding the Project, please feel free to contact me. Please reference "Thurgood Marshall School Project" in your correspondence, and send any comments or questions to my attention at Tetra Tech, Inc., 2969 Prospect Park Dr. #100, Rancho Cordova, CA 95670, or call 916-853-4575, or email me at jenna.farrell@tetratech.com.

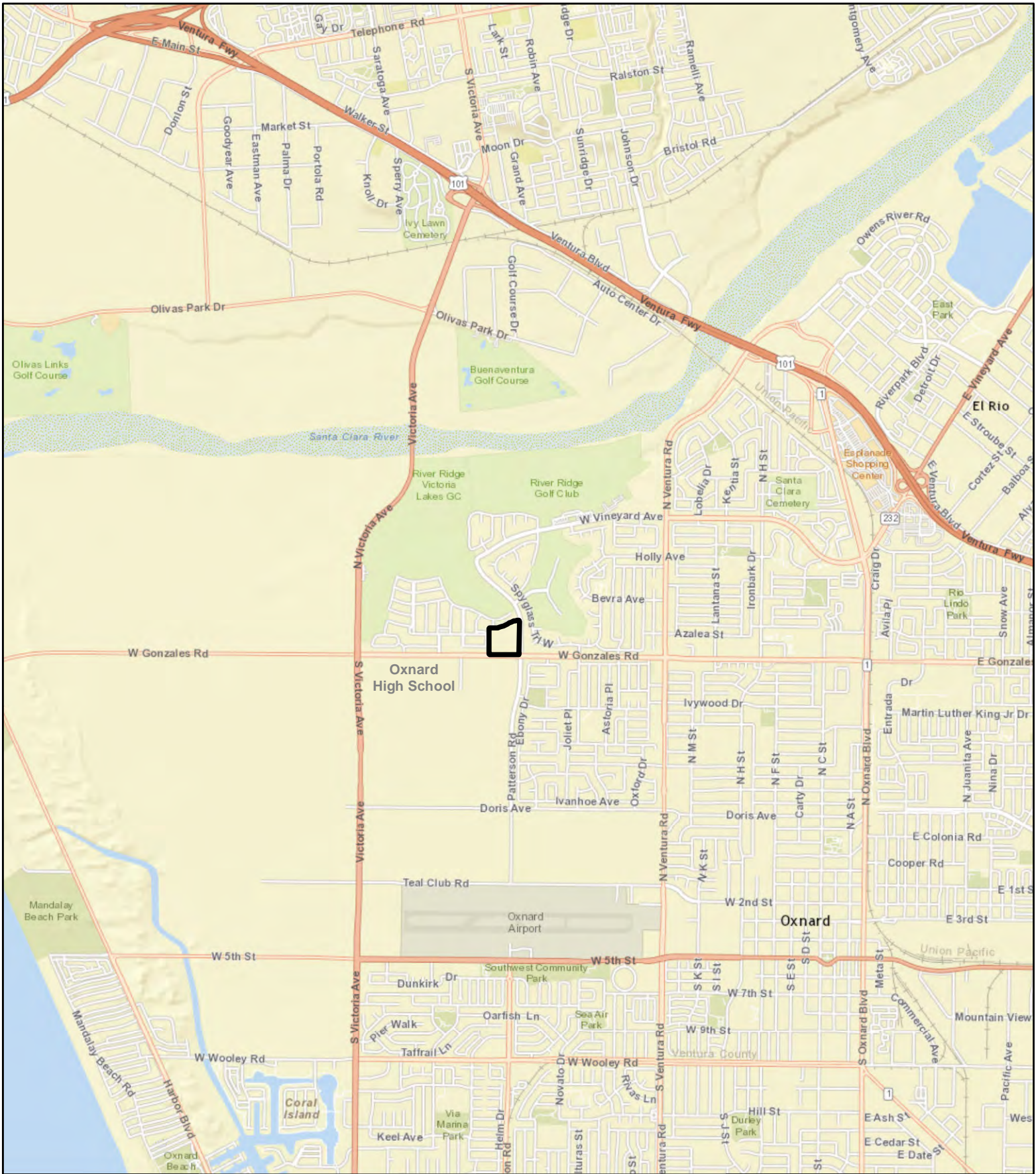
Sincerely,

A handwritten signature in blue ink that reads "Jenna Farrell". The signature is written in a cursive style with a large initial "J".

Jenna Farrell
Cultural Resources, Tetra Tech

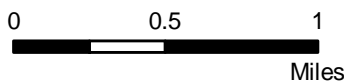
Cc: NAHC Native American Contact List

Attachment A: Maps



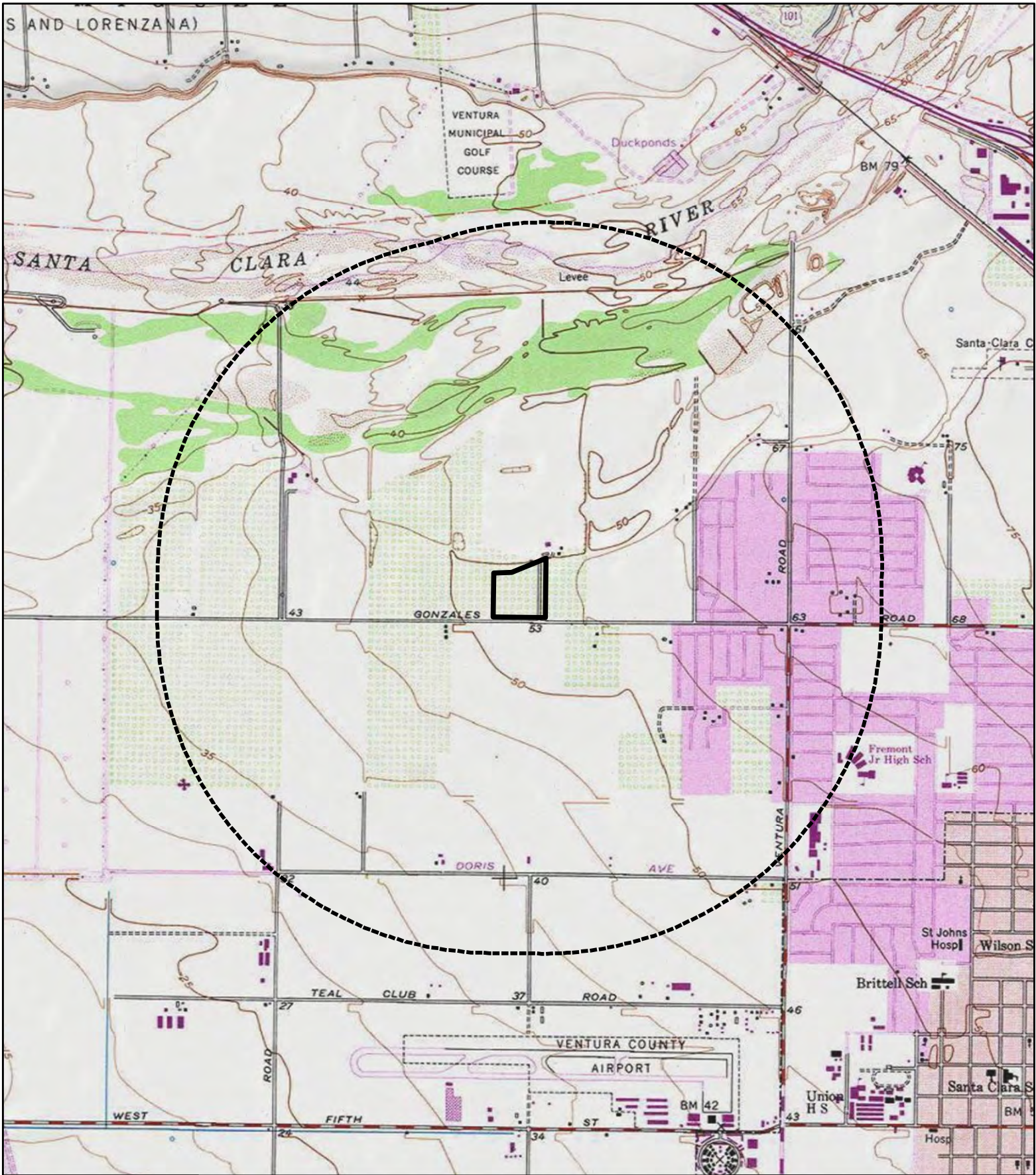
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 Project Area





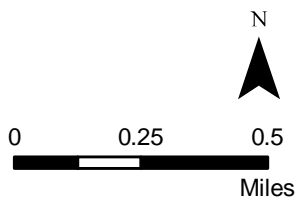
**Attachment A
Figure 1-1
Project Location**

Thurgood Marshall Elementary School
Oxnard, CA



Legend

-  Project Area
-  Project Area 1-mile Radius



Attachment A
Figure 1-1
Project Location and 1
Mile Radius Study Area



THURGOOD MARSHALL DR

THURGOOD MARSHALL DR

N PATTERSON RD

W GONZALES RD



Legend

 Project Area

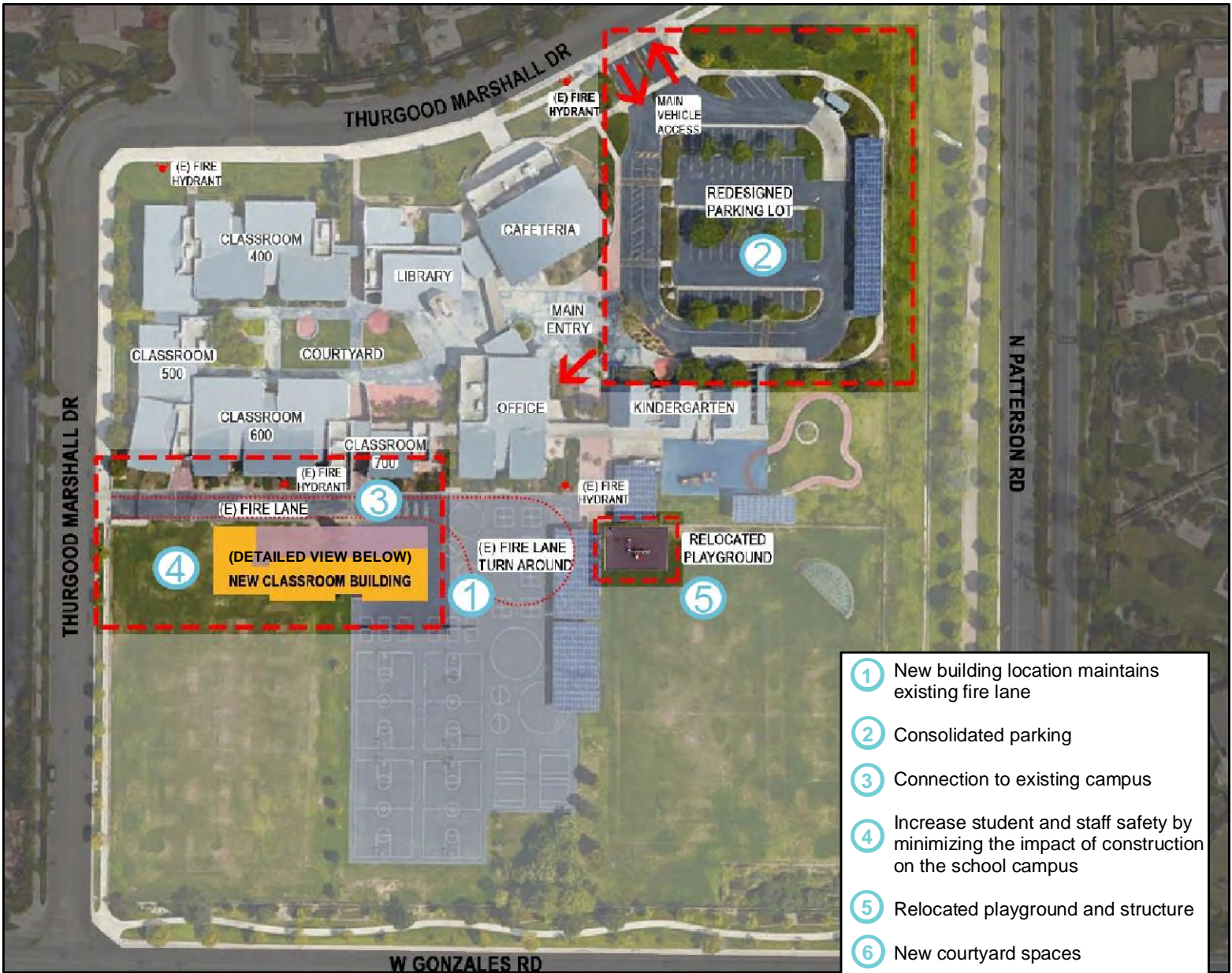
N



0 50 100
Feet

Attachment A
Figure 1-3 Project
Location Aerial
Photograph

Thurgood Marshall Elementary School
Oxnard, CA



- ① New building location maintains existing fire lane
- ② Consolidated parking
- ③ Connection to existing campus
- ④ Increase student and staff safety by minimizing the impact of construction on the school campus
- ⑤ Relocated playground and structure
- ⑥ New courtyard spaces
- ⑦ Existing soccer field layout to remain
- ⑧ Existing hardtop play areas to be relocated



Attachment A
Figure 1-4
Conceptual Site Plan
 Thurgood Marshall Elementary School
 Oxnard, CA

**Native American Contact List
Ventura County
January 26, 2016**

Barbareno/Ventureno Band of Mission Indians
Julie Lynn Tumamait-Stennslie, Chair
365 North Poli Ave Chumash
Ojai , CA 93023
jtumamait@hotmail.com
(805) 646-6214

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Mia Lopez, Chairperson
, Chumash
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Ventura County
January 26, 2016**

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Chief Mark Steven Vigil
1030 Ritchie Road Chumash
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(805) 481-2461

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Santa Ynez Tribal Elders Council
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(805) 693-1768 Fax

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varmenta@santaynezchumash.
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Freddie Romero, Cultural Resources Coordinator
P.O. Box 365 Chumash
Santa Ynez , CA 93460
freddyromero1959@yahoo.com
(805) 688-7997, Ext 37

Santa Ynez Band of Mission Indians
Tribal Admin/Counsel Sam Cohen
P.O. Box 517 Chumash
Santa Ynez , CA 93460
info@santaynezchumash.org
(805) 688-7997

(805) 686-9578 Fax

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This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed Thurgood Marshall Elementary School Project & River Park School District Project, Ventura County.

From: [Coastal Band](#)
To: [Farrell, Jenna](#)
Subject: Re: Thurgood Marshall School Project-Letter Attached
Date: Friday, February 19, 2016 1:07:33 PM

Dear Ms. Farrell ,

Haku. The Coastal Band of the Chumash Nation (the “Coastal Band”) has received your letter regarding the above-referenced project, dated February 5, 2016. Thank you for the information regarding the project. The protection of our ancient village sites, burial grounds, traditional gathering and ceremonial locations, and other cultural, religious and historic resources is extremely important to us, as we trust it is to you as well. However, at this time we do not believe that our involvement in this project is necessary. Please continue to copy us on communications and notices related to this matter so that we can monitor it. If we change our position and wish to be actively involved in the decision-making, we will notify you. You may reach me at cbcn.nahc.ventura@gmail.com if you have any questions.

Also, we wish to remind you that the Coastal Band is only one of several Chumash tribal organizations that may be interested in this project. We urge you to contact all other Chumash organizations and any other Native American tribal organizations that may be impacted.

Ksukuwiyuw (Respectfully),

Isabel M Ayala,
Ventura County Regional
Representative

Coastal Band of the Chumash Nation

On Fri, Feb 5, 2016 at 12:51 PM, Farrell, Jenna <Jenna.Farrell@tetratech.com> wrote:

Dear Ms. Ayala:

Tetra Tech, Inc. is assisting the Oxnard School District (OSD or District) with an Initial Study for the proposed Thurgood Marshall School Project. Thurgood Marshall Elementary School (K-5) is located at 2900 Thurgood Marshall Drive in Oxnard, California, 93036. As part of our Initial Study for the project, the NAHC provided a list of Native American individuals and organizations that may have knowledge of cultural resources in the Project area. Your name was included on the NAHC list and we are contacting you as part of our outreach efforts to identify any known cultural resources within the Project study area or answer any question you may have.

Please see the attached letter that provides information on the Project and maps. Please feel free to contact me by email or the phone numbers below with any comments or questions.

Sincerely,

Jenna

Jenna Farrell | Cultural Resources

Direct: [916.853.4575](tel:916.853.4575) | Main: [916.852.8300](tel:916.852.8300) | Fax: [916.852.0307](tel:916.852.0307) | Cell: [916.206.8705](tel:916.206.8705)

Jenna.Farrell@tetratech.com

Tetra Tech, Inc. | Sciences

2969 Prospect Park Drive, Suite 100 | Rancho Cordova, CA 95670 | www.tetratech.com

From: Farrell, Jenna
To: ["Freddie Romero"](#)
Subject: RE: Thurgood Marshall School Project-Outreach letter
Date: Friday, March 11, 2016 12:51:00 PM
Attachments: [Ventura Contact List Thurgood Marshall Elementary and River Park School.pdf](#)

Hi Mr. Romero:

The NAHC provided a list of Native American Contacts for Ventura County (see attached), we have provided a letter to all those on that list.

Thank you for your quick reply,

Jenna

From: Freddie Romero [mailto:freddyromero1959@yahoo.com]
Sent: Friday, March 11, 2016 12:44 PM
To: Farrell, Jenna <Jenna.Farrell@tetrattech.com>
Subject: Re: Thurgood Marshall School Project-Outreach letter

Ms. Farrell,

I don't know of any cultural sites in the area, but have you contacted any of the local tribes?

Freddie Romero
Cultural Resources Coordinator
SYBCI Elders Council
805-688-7997 X4109
805-403-2873

The information contained in this message may be privileged and confidential and protected from disclosure. If the reader of this message is not the intended recipient, or an employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by replying to the message and deleting it from your computer

From: "Farrell, Jenna" <Jenna.Farrell@tetrattech.com>
To: "freddyromero1959@yahoo.com" <freddyromero1959@yahoo.com>
Sent: Friday, March 11, 2016 12:34 PM
Subject: Thurgood Marshall School Project-Outreach letter

Dear Mr. Romero:

Hello. Tetra Tech, Inc. is assisting the Oxnard School District (OSD or District) with an

Initial Study for the proposed Thurgood Marshall School Project. Thurgood Marshall Elementary School (K-5) is located at 2900 Thurgood Marshall Drive in Oxnard, California, 93036. As part of our Initial Study for the project, the NAHC provided a list of Native American individuals and organizations that may have knowledge of cultural resources in the Project area. Your name was included on the NAHC list and we are contacting you as part of our outreach efforts to identify any known cultural resources within the Project study area or answer any question you may have.

Please see the attached letter that provides information on the Project and maps. Please feel free to contact me with any comments or questions.

Sincerely,

Jenna

Jenna Farrell | Archaeologist

Direct: 916.853.4575 | Main: 916.852.8300 | Fax: 916.852.0307 | Cell: 916.206.8705

Jenna.Farrell@tetrattech.com

Tetra Tech, Inc. | Sciences

2969 Prospect Park Drive, Suite 100 | Rancho Cordova, CA 95670 |

www.tetrattech.com



PRELIMINARY GEOTECHNICAL AND GEOLOGICAL INVESTIGATION
FOR A NEW CLASSROOM BUILDING AT
THE THURGOOD MARSHALL ELEMENTARY SCHOOL
2900 THURGOOD MARSHALL DRIVE
OXNARD, CALIFORNIA

Prepared for:
OXNARD UNIFIED SCHOOL DISTRICT
ATTN: LISA CLINE
ASST. SUPERINTENDENT
BUSINESS AND FINANCIAL SERVICES
1051 SOUTH A STREET
OXNARD, CALIFORNIA 93030

Prepared by:
CTE, SOUTH, INC.
1645 PACIFIC AVENUE, SUITE 107
OXNARD, CALIFORNIA 93033

October 30, 2015

1645 Pacific Avenue, Suite 107 | Oxnard, CA 93033 | Ph (805) 486-6475 | Fax (805) 486-9016

Inspection | Testing | Geotechnical | Construction Engineering | Civil Engineering | Surveying

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1.0 INTRODUCTION AND SCOPE OF SERVICES

1.1 Introduction

This report presents the results of a geotechnical investigation performed by CTE South, Inc. (CTE), and provides conclusions and recommendations for the proposed development at an existing elementary school in Oxnard, California. We have performed this work in accordance with the terms described in our work proposal dated August 4, 2015. It is understood that the project will consist of the construction of a new 2-story building. Associated developments include asphalt and concrete paved areas, landscaping and flatwork. We understand that the existing parking lot northeast of the school's administration building and east of the existing cafeteria will be expanded. Recommendations for excavations, fill placement, and foundation design for the proposed structures are presented in this report. Recommendations for several different forms of grading and foundation design are also presented herein. References reviewed for this report are provided in Appendix A.

1.2 Scope of Services

The scope of services provided included:

- Review of readily available geologic and soils reports.
- Coordination with Digalert (an underground utility locating company) and local utility companies in order to avoid damaging utilities during subsurface exploration activities.
- Excavation of truck-mounted exploratory borings, CPT and soil sampling.
- Laboratory testing of selected soil samples.
- Description of the geology and evaluation of potential geologic hazards.
- Engineering and geologic analyses.
- Preparation of this report.

2.0 SITE DESCRIPTION

The subject site is located at 2900 Thurgood Marshall Drive in Oxnard, California, which is located northwest of the intersection of Patterson Road and Gonzales Road (Figure 1). The site is an existing elementary school that has been labeled by the Ventura County Assessor's office as having a parcel number of 179-0-007-030 with a size of 13.0 acres. The approximate center of the proposed building has the coordinates of 34.220402°, north latitude and 119.209104° west longitude.

The site's elevation is approximately 51.0 and 52.0 feet above mean sea level, according to a survey performed by MNS Engineers, dated September 2015. The site is relatively flat, but has been minimally graded for use as an elementary school. The site is bordered to the west and north by Thurgood Marshall Drive, beyond which are single-family residences. The site is bordered to the east by Patterson Road, beyond which are single-family residences. To the south, the site is bordered by Gonzales Road, beyond which are agricultural fields. The subject site is illustrated on Figure 2.

3.0 FIELD INVESTIGATION AND LABORATORY TESTING

3.1 Field Investigation

The field investigation was conducted between September 23, 2015 and October 3, 2015. Our field investigation included the excavation of 2 exploratory borings, sampling of surface

and subsurface soils, and the performance of five exploratory cone penetration tests (CPTs). The locations of the exploratory borings and the CPTs are indicated on Figure 2. The exploratory borings were excavated with a track-mounted drill rig with rubber treads on September 26, 2015. The drilling rig was equipped with eight-inch-diameter, hollow-stem augers that were advanced to depths ranging between 10.5 feet and 50.5 feet below the ground surface (bgs).

On October 3, 2015, five (5) CPTs were performed with a 30-ton, four-axle truck-mounted rig, extending to depths ranging between approximately 28.9 and 50.3 feet below current grades. Practical refusal was met at a depth of approximately 28.9 feet below current grades on CPT-1. As such, CPT-1b was performed approximately 5 feet and advanced to a depth of approximately 50.0 feet.

Disturbed bulk samples representing a mixture of soils at relatively shallow depths were recovered from boring cuttings, as well as sampled from the surface in areas to receive pavement in the northeastern portion of the site. Subsurface soil samples were collected by driving Standard Penetration Test and Modified California samplers within the hollow-stem borings at various depths as indicated on the Boring Logs (Appendix B). The borings and CPTs were either backfilled (per standards set forth by the Ventura County Watershed Protection District) either immediately after completion.

The approximate locations of the borings and CPTs are presented on Figure 2.

The soils were logged in the field by an experienced and state certified CTE South, Inc. geologist, and visually classified in general accordance with the Unified Soil Classification System. The field descriptions have been modified on the boring logs, where appropriate, to reflect laboratory test results.

Additionally, our office reviewed a geotechnical report by S/G Laboratories, Inc. (1999), and a geologic report CFS Engineering Geology, Inc., (1999). Both of these reports reference borings, of which the locations of Borings 4 and 5 are shown on Figure 2. The soil types and data obtained from these borings were incorporated in our analysis of the soil and geologic conditions at the site.

3.2 Laboratory Testing

Laboratory tests were conducted on selected soil samples for classification purposes and to evaluate physical properties and engineering characteristics. Laboratory tests included: wash from #200 sieve analysis, Expansion Index, in-situ moisture content and densities, direct shear, and chemical characteristics. Where practical, test results are shown on the boring logs in Appendix B. Test descriptions and the remaining laboratory test results are included in Appendix C.

4.0 GEOLOGY

4.1 General Geographic and Geologic Settings

The site is located on relatively flat coastal lowlands called the Oxnard Plain. The Oxnard Plain is a relatively thick sequence of sedimentary deposits from the Santa Clara River, approximately 5000 feet to the north and the Callegas Creek, which is approximately 9.0 miles to the east and southeast. The Oxnard Plain is located within the westerly end of the Transverse Ranges, with the Topa Topa Mountains to the north and the Santa Monica and the Santa Susanna Mountains to the east. These mountain ranges are generally considered to be the source of the sediments within the Oxnard Plain, and the sediments beneath the area of the project site.

4.2 Geologic and Soil Conditions

Based on the regional geologic map prepared by Clahan, Kevin B. (2003). the surficial geologic unit underlying the site consists of Holocene Alluvial Deposits (Figure 3). Clahan described the alluvial deposits as “Holocene alluvial fan deposits, fine facies; fine-grained alluvial fan and flood plain overbank deposits on very gently sloping portions of the valley floor; composed of predominantly clay with interbedded lenses of coarser alluvium (sand and occasional gravel).”

The United States Department of Agriculture's (USDA) Web Soil Survey identifies the majority of the soil in the project area as "Anacapa sandy loam, 0 to 2 percent slopes." The Anacapa sand loam is described as "sandy loam" to a depth of approximately 35 inches, below which is "stratified coarse sandy loam to loam" to a depth of 60 inches. Our findings generally concurred with this description.

Our subsurface investigation indicated that surface soils at the project site have been disturbed, likely due to agricultural activities prior to and during the development and use of the site as an elementary school. Reports from TRAK Environmental Group (2002a, 2002b, 2002c, 2000d and 2002e) indicate that the site received imported fill soils from various locations.

The disturbed soils appear to extend to various depths ranging between approximately 1.5 feet to 3.0 feet below current grades, and consist typically of dark brown, sandy silt and silty sand, with occasional variations in the amounts of the sand, silt and clay. Below the disturbed surface soils, the soils consisted of clays, silts and sands of various thicknesses.

4.3 Groundwater Conditions

Static groundwater was encountered in Boring B-1 and in all of the CPT locations. The depth of the static groundwater observed in B-1 at 28.0 feet below current grades, and varied between depths of 28.0 and 31.5 feet below current grades in the CPTs when measured in the remaining holes after removing the CPT probe. Additionally, wet materials

were observed at a depth of approximately 24 feet below current ground elevations in Boring B-1, indicating the presence of perched groundwater.

The California Department of Water Resources (DWR) maintains a database of historical groundwater levels from wells across the site. This database can be viewed online at <http://www.water.ca.gov/waterdatalibrary/>. One of the wells in their database is located immediately south of Gonzales Road. This well has a "State Well Number" of 02N22W32C004S. Groundwater levels have been recorded at this well at various intervals between January 2011 and February 2014. According to the DWR, water levels varied between 16.9 feet below ground surface elevations, and 67.0 feet below ground surface elevations.

Additionally, previous geologic and geotechnical studies at the site indicate a static groundwater level as approximately 15 feet below original grades (S/G Laboratories, Inc., 1999, and CFS Engineering Geology, Inc., 1999). Additionally, the studies indicated that historically high groundwater was at 10 feet below original grades, which is the same as our findings.

In the USGS's "Seismic Hazard Zone Report for the Oxnard 7.5-minute Quadrangle," 2002, the USGS indicates that the historically high depth to groundwater is approximately 10 feet below current elevations. As such, it is our opinion that static groundwater levels can rise as high as approximately 10 feet below current ground surface levels during, or shortly,

after relatively wet periods of time. Additionally, at times when static groundwater is lower (such as it's current elevation of approximately 28.0

4.4 Geologic Hazards

Geologic hazards that were considered to have potential impacts to site development were evaluated based on field observations, published hazard maps, literature review, and laboratory test results. There are two main geologic hazards at the site: 1) ground shaking due to earthquakes, and 2) earthquake-induced liquefaction, seismic settlement, and associated phenomena. The following paragraphs address geologic hazards considered and their potential risk to the site.

4.4.1 Surface Fault Rupture

Based on our site reconnaissance and review of the referenced literature, the site is not within a State of California-designated Alquist-Priolo Earthquake Fault Studies Zone, and no known active fault traces underlie or project toward the site. According to the California Geological Survey, a fault is active if it displays evidence of activity in the last 11,000 years. Therefore, the potential for surface rupture from displacement or fault movement beneath the proposed improvements is considered low.

4.4.2 Local and Regional Faulting

The California Geological Survey (CGS) and the United States Geological Survey (USGS) broadly group faults as "Class A" or "Class B" (Frankel et al., 2002). Class

A faults are identified based upon relatively well-defined paleoseismic activity, and a fault-slip rate of more than 5 millimeters per year (mm/yr). In contrast, Class B faults have comparatively less defined paleoseismic activity and are considered to have a fault-slip rate less than 5 mm/yr.

The nearest known Class B fault is the Oakridge Fault. The Oakridge Fault is located approximately 2.1 miles (3.3 km) to the north of the site. The location of this fault is implied, as no surface expression of the fault exists. The fault is thought to be a north-dipping reverse fault that is obscured by Quaternary and Holocene sedimentary deposits (CGS, 2002). Another Class B fault that is relatively close to the site is the the Simi-Santa Rosa Fault Zone. The CGS describes this fault zone as a right-lateral with three segments that extend approximately 40 kilometers into the Transverse Ranges (CGS, 2002) (2002). The closest segment of the Simi-Santa Rosa Fault Zone is the Springville Fault. The southwestern most extension of this fault lies approximately 5.1 miles (8.2 km) to the east of the site.

The nearest known Class A fault is the Carrizo segment of the San Andreas Fault, which is located approximately 44.5 miles (71.5 kilometers) north-northeast of the site at a point near Frasier Park, California.

The following table presents the San Andreas Fault and Simi-Santa Rosa Fault Zone nearest to the site magnitude and fault classifications.

| TABLE 2 NEAR-SITE FAULT PARAMETERS | | | |
|---|-------------------------------|------------------------------|----------------|
| FAULT NAME | DISTANCE FROM SITE (in miles) | MAXIMUM EARTHQUAKE MAGNITUDE | CLASSIFICATION |
| San Andreas (Carrizo Segment near Gorman, California) | 44.5 (approx.) | 7.4 | A |
| Simi-Santa Rosa Fault Zone | 5.1 (approx.) | 4.5 | B |
| Oakridge Fault | 2.1 (approx. and implied) | 5.5 | B |

Figure 4 is a regional map from the California Geologic Survey (CGS), which shows the site's location in relationship to known active faults, as defined by CGS.

The CGS 2008 Probabilistic Seismic Hazards Ground Motion Interpolator Page (on line at http://www.quake.ca.gov/gmaps/PSHA/psha_interpolator.html) indicates ground motions with 10 percent probability of exceedance in 50 years for the site coordinates 34.220402° latitude and -119.209104° longitude, as underlain by soils corresponding to site Class D, are presented in the following Table 3.

| TABLE 3 SITE GROUND MOTION WITH 10% PROBABILITY OF EXCEEDANCE IN 50 YEARS | |
|--|--------------|
| PARAMETER | UNIT GRAVITY |
| Peak Ground Acceleration | 0.508 |
| Spectral Acceleration at Short (0.2 second) Period | 1.085 |
| Spectral Acceleration at Long (1.0 second) Period | 0.667 |

The site could be subjected to significant shaking in the event of a major earthquake on any of the faults listed above or other faults in the southern California or northern Baja California area.

Note that further parameters, including further parameters are discussed in Appendix E of this report.

4.4.3 Historic Seismicity

The recent seismic history (last 50 years) of the site area is moderate compared to other areas of southern California and northwestern Baja California, Mexico. Three moderately large earthquakes (registering moment magnitudes of between 6.0 and 6.9) have been reported within a 75 km radius of the project site during the period of instrumental recordings, which began in the early 1900s. The largest of the recorded earthquakes was the 1994 Northridge Earthquake (moment magnitude of 6.7).

A previous earthquake that occurred on December 21, 1812 may have been larger. However, little is known about this event. Reports of the amounts and extents of damage vary greatly and seem to have been exaggerated in many of the reported accounts. As such, estimates for a moment magnitude vary greatly. It is known that several structures in the area were damaged by this earthquake, including extensive

damage to the San Buenaventura Mission, located approximately 10.5 miles to the northwest of the site.

Historically there have been several larger (>M5.5) earthquakes within a 74 km radius of the site. Review of the CGS historical California earthquake epicenters (<http://redirect.conservation.ca.gov/cgs/rghm/quakes/historical/index.htm>) for earthquakes with magnitude greater than M5.5 within 75 kilometers (46 miles) of the project site are provided on the following table.

| TABLE 4 Relatively Nearby Earthquake History | | | | |
|---|-----------------------|---------------|-------------------------------|----------------------------------|
| EARTHQUAKE DATE (yr-mo-day) | EARTHQUAKE TIME (GMT) | MAGNITUDE | DISTANCE FROM SITE (miles) | GENERAL LOCATION |
| 1812-12-21 | 1900 (approx.) | 7.1 (approx.) | 39.5 (approx.) | Offshore and west of Ventura |
| 1827-09-24 | 0400 | 6.0 | 6.6 | East of San Buenaventura Mission |
| 1854-05-31 | 1250 | 6.0 | 31 (approx.) | Santa Barbara |
| 1883-09-05 | 1230 | 5.8 | 39.5 (approx.) | San Emigdio |
| 1893-04-04 | 1940 | 5.8 | 37 (approx.) | Newhall area |
| 1893-05-19 | 0035 | 5.8 | 11 (approx.) | Offshore Ventura |
| 1919-02-16 | 1557 | 5.7 | 51.1 | Tejon Pass region |
| 1926-02-18 | 1818 | 5.5 | 31.2 | Santa Barbara |
| 1973-02-21 | 1445 | 5.9 | 12.2 | Point Mugu |
| 1978-08-13 | 2254 | 6.0 | 30.3 | Offshore Santa Barbara |
| 1981-09-04 | 1550 | 5.9 | 33.4 | 50 km south of Ventura |
| 1994-01-17 | 1230 | 6.7 | 34.5 | Northridge |
| 1994-01-17 | 2333 | 5.9 | 26.2 | Northridge |

4.4.4 Liquefaction, Seismic Settlement, & Associated Phenomena

Liquefaction is the significant loss of soil strength due to pore pressure increase (CDMG 1997). Ground shaking reorients the unconsolidated sediment grains into a more compact arrangement. If the water table is close to the surface during this reorientation, the grain-to-grain contacts are reduced and the load is temporarily transferred to the pore water. This increases pore pressure, decreases the soil

shear strength, and the deposit then behaves like a liquid (Costa and Baker 1981). Liquefaction may occur when groundwater is present within the potentially liquefiable material, the soil is granular and meets a specified range of grain sizes, and the soil is in a loose state of low relative density. If these conditions are present and strong ground motion occurs, portions of the soil column could liquefy, depending on the intensity and duration of the strong ground motion. Soils most susceptible to liquefaction are saturated, very loose to loose, fine grained sandy and silty soils. Liquefaction may manifest itself at the surface as lateral spreading, sand boils, lurching and ground fissuring, loss of bearing strength, and settlement. Any structures founded on or above potentially liquefiable soils may experience settling (both total and differential) and loss of foundation support during ground shaking. The potential for the occurrence of liquefaction is evaluated with respect to the Factor of Safety (FS) as defined in CDMG 1997.

$$FS = CSR_{liq}/CSR_{req}$$

Where:

FS is the Factor of Safety;

CSR_{liq} is the cyclic stress ratio required to generate liquefaction; and

CSR_{req} is the cyclic stress ratio generated by the anticipated earthquake.

Soils with a FS less than 1.3 are considered as potentially liquefiable (CDMG 1997).

4.4.4.1 Regional Liquefaction Potential Data

The potential for liquefaction in the site area was reviewed based on data available from the CGS and USGS. The map associated with the Seismic Hazard Zone Report from the CGS (2002, revised 2010) indicates that the site is in an area

potentially subject to liquefaction-related effects (Figure 6). As such, an analysis of the liquefaction potential was performed by our office as described in Section 4.4.4.2.

4.4.4.2 Liquefaction Analysis

A liquefaction analysis was performed on data obtained from the cone penetration tests (CPTs) CPT-1b, CPT-2, CPT-3, CPT-4, and from Boring B-1. The methods and results of the analyses are summarized below and in Appendix F.

Data from the deep boring and CPT explorations were analyzed with respect to the site seismicity using the appropriate code-derived PGA_M of 0.997g and a conservative assumed historical high groundwater depth of 10 feet below current grades. The analyses presented in Appendix E confirm that isolated layers of underlying soils are potentially susceptible to liquefaction, and that the subsurface soils are anticipated to locally liquefy under the design seismic event. Based on the evaluation output, dynamic settlement is anticipated to occur in relatively thin and possibly discontinuous layers. Total liquefaction settlements are estimated to be on the order of 1.65 and 2.33 inches.

4.4.4.3 LATERAL SPREADING

Due to the relatively flat site area topography and the lack of significant ditches, trenches or other features exhibiting differential elevations, it is our opinion that the potential for lateral spreading to affect the site during a major seismic event is low.

4.4.5 Flooding, Tsunamis and Seiche Evaluation

According to a 2010 map (shown in Figure 7) produced by the Federal Emergency Management Agency (FEMA), the project site does not lie within an area that is likely to flood. FEMA describes the area as “Zone X,” which is described as “Areas determined to be outside the 0.2% annual chance floodplain.”

The site is located approximately 4700 feet south of the Santa Clara River. However, the published maps that were reviewed by this office do not indicate that the site is subject to flooding.

Due to the elevation of the site and the lack of any significant bodies of water either on or adjacent to the site, it is our opinion that the potential for tsunamis or seiches to affect the subject site is negligible.

4.4.6 Landslides and Debris Flows

The site is relatively flat with no nearby hillsides or other topographic features. The site is also not adjacent to any areas that are potential paths for debris flows, and not mapped as in an area potentially subjected to such hazards (CGS, 2009). Therefore, landsliding and debris flows are not considered significant geologic hazards within or adjacent to the site.

4.4.7 Land Subsidence

Subsidence is generally anticipated to be the result of groundwater extraction, oil extraction, and/or tectonic plate movements. Land subsidence has been documented in the central eastern portion Oxnard Plain (Ventura County General Plan, 2000). Based on the information available and our review, land subsidence is not anticipated to be a significant hazard at the subject site.

4.4.8 Compressible and Expansive Soils

The upper disturbed fill materials from activities prior to and during the construction of the existing buildings at the site as described in Section 4.2 are considered to have a slight to moderate susceptibility to compression. Recommendations for removal and recompaction of these materials are described in Section 5.2 of this report. If followed, the recommendations for removal and compaction should mitigate any potential for compressibility.

The near-surface materials at the site are considered to have a have very low to low expansion potential (EI less than 50), and should not pose a significant risk to the proposed construction.

4.4.9 Corrosive Soils

Laboratory test results indicate that near-surface soils at the site present a moderate sulfate exposure to Portland cement concrete (2010 CBC; ACI 318, 2011, Table 4.3.1). The “Corrosion Guidelines, Version 2.0” by the California Department of Transportation (Caltrans), (2012), indicate:

“For Structural Elements, the Department considers a site to be corrosive if one or more of the following conditions exist for the representative soil and water samples taken at the site:

Chloride concentration is 500 ppm or greater, sulfate concentration is 2000 ppm or greater, or the pH is 5.5 or less.”

Thus, in accordance with current Caltrans procedures, the subject site would be considered “moderately corrosive,” based on testing for corrosion potential of sampled surface soils from the site. As such, we recommend the use of Type II Portland cement with a minimum water/cement ratio of 0.5 and a minimum strength of 4000 psi per Table 4.3.1 in ACI 318. Additionally, the resistivity test results have been interpreted by others to represent a moderate potential for corrosion for buried metallic conduits (Roberge, 1999).

CTE does not practice corrosion engineering. Therefore, if corrosion of improvements is of more significant concern, a qualified corrosion engineer should be consulted.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 General

Based on the results of our background review, subsurface explorations, laboratory testing, and engineering analyses, it is our opinion that the site may be utilized for the proposed construction. Existing agricultural and fill soils should not be used to support significant structures or the proposed buildings unless they are removed and recompacted according to the recommendations in this report.

While groundwater was encountered at a depth of 28.0 feet, historical groundwater may be as high as 10 feet below current grades. Additionally, perched groundwater was encountered in Boring 1 at approximately 22 feet. Groundwater and perched groundwater may be located higher than observed after rainy or wet periods at the site.

The existing fill soils and disturbed soils should be removed and replaced as compacted fill. Fills should be compacted as recommended in this report.

5.2 Site Preparation

We conclude that the proposed development of the site is feasible from a geotechnical standpoint, provided the recommendations in this report are incorporated into the design and construction of the project. Recommendations for the proposed earthwork and improvements are included in the following sections and Appendix D. However, recommendations in the text of this report supersede those presented in Appendix D, should conflicts exist. All recommendations may require modifications or updating as project plans evolve, buildings locations are modified, or based on the conditions encountered during earthwork or construction.

Following demolition of the existing structures, underground utilities, and irrigation or water structures not to remain, the proposed improvement areas should be cleared of existing debris and deleterious materials. Objectionable materials, such as construction debris, vegetation, and other deleterious materials not suitable for structural backfill should be disposed of off-site at a regulated disposal facility. In the area of the proposed improvements, including structures, roadways, and minor distress-sensitive improvements, existing fill material and any eroded, desiccated, burrowed, disturbed soils from agricultural use, or otherwise loose or disturbed soils should be excavated to the depths described in Section 5.8 in the areas of proposed buildings, to the depth of suitable native materials, or to a minimum 42 inches below the bottom of all footings, whichever depth is greatest. It is this office's opinion that the depth to suitable native material will vary across the site, but

generally lie approximately 4 feet below current grades, with the potential for a few localized deeper areas of fill. The areas of fill to be removed and recompact should be identified by a representative of this office prior to replacement and recompaction.

Removals should extend at least five feet laterally beyond the perimeter of the proposed structures, where feasible. Exposed subgrade should be moisture conditioned and properly compacted prior to receiving fill. The exposed subgrade may also require scarification. A representative of our office should observe the exposed subgrade to determine if scarification is necessary or practical based on the actual conditions present at the time of grading.

Any existing below ground utilities should be redirected around proposed structures or, alternatively, the conflicting utility backfill material overexcavated to the depth of suitable material with a minimum two-sack cement/sand slurry or compacted fill placed in the resulting void. If present, existing utilities at an elevation to extend through the proposed footings should be sleeved and caulked to minimize the potential for moisture migration below the structure slab. Any existing utility backfill present within the prism created by a 1:1 plane extending from the outer edges of the footings to suitable material up to ten feet beyond the building perimeter should be overexcavated and one-sack cement/sand slurry or compacted fill soil should be placed in the resulting area, as feasible. Abandoned pipes exposed by grading should be securely capped to prevent moisture from migrating beneath foundation and slab soils.

An engineer or geologist from CTE should observe the exposed ground surface prior to scarification, if necessary. Excavation should continue until suitable native materials are encountered as indicated by a representative of our office. Organic and other deleterious materials not suitable for structural backfill should be properly disposed of off site.

5.3 Site Excavation

Based on CTE's observations, shallow excavations at the site should be feasible using standard, well-maintained construction equipment run by experienced operators.

5.4 Fill Placement and Compaction

Following removal of existing fill material and loose, disturbed soils, the areas to receive fills, backfill from overexcavations, or improvements should be moisture conditioned, and properly compacted or wetted and proof-rolled, as appropriate. A representative of our office should observe the overexcavated surface or the excavated areas to determine if scarification is required. Fill and backfill should be compacted to a minimum relative compaction of 90 percent at the wet side of the moisture content, as evaluated by ASTM D 1557. The optimum lift thickness for fill soil will depend on the type of compaction equipment used. Backfill should generally be placed in uniform, horizontal lifts not exceeding six to inches in loose thickness.

5.5 Fill Materials

The on-site existing fill material, materials disturbed for agricultural activities, and native materials are considered suitable for use as fill and backfill material. However, these materials should be screened of organic materials and materials generally greater than three inches in maximum dimension. Irreducible materials greater than three inches in maximum dimension were not identified in the preliminary investigation, but may be present due to the variable nature of the materials encountered. If irreducible materials greater than three inches (such as cobbles or boulders) are encountered, they generally should not be used in shallow fills (within six feet of proposed grades). In utility trenches, adequate bedding should surround pipes.

Imported fill beneath structures, pavements and walks should have an Expansion Index of 20 or less (ASTM D 4829). Imported fill soils for use in structural or slope areas should be evaluated by the soils engineer before importation to the site. Imported fill soils may be subject to Department of Toxic Substances Control (DTSC) screening requirements, as determined by the owner.

If proposed, any retaining wall backfill located within a 45-degree wedge extending up from the heel of the wall footing should consist of soil having an Expansion Index of 20 or less (ASTM D 4829) with less than 30 percent passing the No. 200 sieve. The upper 12 to 18

inches of wall backfill could consist of lower permeability soils, in order to reduce surface water infiltration behind walls. We understand that no basements are proposed at this time.

5.6 Temporary Construction Slopes

The following recommended temporary slopes should be relatively stable against deep-seated failure, but may experience localized sloughing. Recommended slope ratios as set forth in the following table.

| TABLE 5.7 RECOMMENDED TEMPORARY SLOPE RATIOS | | |
|---|---------------------------------------|----------------|
| SOIL TYPE | SLOPE RATIO (Horizontal: vertical) | MAXIMUM HEIGHT |
| Undocumented Fill and Alluvium | 1.5:1 (OR FLATTER) | 5 to 7 Feet |

Actual field conditions and soil type designations must be verified by a "competent person" while excavations exist, according to Cal-OSHA regulations. In addition, the above sloping recommendations do not allow for surcharge loading at the top of slopes by vehicular traffic, equipment or materials, or groundwater/seepage. Appropriate surcharge setbacks must be maintained from the top of all unshored slopes.

5.7 Foundation Recommendations

The following recommendations are for preliminary design purposes only. These foundation recommendations should be reviewed after completion of rough grading of the building pad areas.

Conventional continuous and/or spread footings may be suitable. Grade beams should generally be installed across all large entrances or critical areas in the structures. Footings and grade beams should have minimum depths of 18 inches below the lowest adjacent grade for one- and two- story structures. Isolated spread footings should be a minimum of two feet in minimum dimension. Continuous footings and grade beams should be reinforced as required by the structural engineer of record; however, we recommend minimum continuous reinforcement should consist of four No. 5 rebars, two near the top and two near the bottom. Footings may be designed using maximum allowable bearing capacities of 2,000 psf. A one-third increase is also considered acceptable for evaluation of short term loadings due to wind or seismic forces.

5.7.1 General Foundation Recommendations

The following general recommendations for footings are also provided:

- The structural engineer should provide recommendations for reinforcement of any spread footings and footings with pipe penetrations.
- Footing excavations should generally be maintained at above optimum moisture content until concrete placement.

- All foundation excavations should be observed by soil engineer during excavation, and prior to placement of reinforcing steel or formwork. The foundation excavations should be moistened to at least optimum moisture content.

5.7.2 Foundation Setback

Footings should bear beneath a 1:1 plane extended up from the nearest bottom edge of adjacent trenches and/or excavations. Deepening of affected footings may be a suitable means of attaining the prescribed setbacks.

5.7.3 Interior Concrete Slabs

Lightly loaded concrete slabs should be designed for the anticipated loadings but measure at least five inches in thickness. Minimum slab reinforcement should consist of a minimum of number 4 reinforcing bars placed on 18-inch centers, each way, at or above mid-slab height, but with proper concrete cover, or as per the project architect or structural engineer.

In moisture-sensitive floor areas, a suitable vapor retarder of at least ten-mil thickness (with all laps or penetrations sealed or taped) overlying a two-inch layer of consolidated aggregate base or sand (with SE of 30 or more) should be installed. A maximum two-inch layer of similar material may be placed above the vapor retarder to protect the membrane during steel and concrete placement. This recommended protection is generally considered typical in the industry. If proposed floor areas or coverings are considered especially sensitive to moisture emissions, additional recommendations from a specialty consultant could be obtained. CTE is not an expert at preventing moisture penetration through slabs.

A qualified architect or other experienced professional should be contacted if moisture penetration is a more significant concern.

Slabs subjected to heavier loads may require thicker slab sections and/or increased reinforcement. A 110-pci subgrade modulus is considered suitable for elastic design of minimally embedded improvements such as slabs-on-grade.

Subgrade materials should be maintained near or above optimum moisture content until slab underlayment or concrete are placed.

5.8 Seismic Design/ Earthquake Design Criteria - IBC

Seismic ground motion values listed on the following Table 6 were derived in accordance with the ASCE 7-10 Standard, which is incorporated into the 2013 California Building Code that became effective January 1, 2014. The ground motion parameters were established based on Site Class and coordinates using the United States Geological Survey (USGS) U.S. Seismic Design Maps (located online at <http://earthquake.usgs.gov/designmaps/us/application.php>). Results for each set of seismic ground motion values are based on the site coordinates of 34.2204° north latitude and 119.2091° west longitude. These values are intended for the design of structures to resist the effects of earthquake ground motions.

| TABLE 6 2013 CBC Chapter 16 SEISMIC GROUND MOTION VALUES | | |
|--|--------|-------------------------|
| PARAMETER | VALUE | REFERENCE |
| Site Class | D | ASCE 7-10 Chapter 20 |
| Mapped Spectral Response Acceleration Parameter, S_S | 2.544g | CBC Figure 1613.3.1 (1) |
| Mapped Spectral Response Acceleration Parameter, S_1 | 0.956g | CBC Figure 1613.3.1(2) |
| Seismic Coefficient, F_a | 1.0 | CBC Table 1613A.5.3(1) |
| Seismic Coefficient, F_v | 1.5 | CBC Table 1613A.5.3(2) |
| MCE Spectral Response Acceleration Parameter, S_{MS} | 2.544g | CBC Section 1613A.3.3 |
| MCE Spectral Response Acceleration Parameter, S_{M1} | 1.435g | CBC Section 1613A.3.3 |
| Design Spectral Response Acceleration, Parameter S_{DS} | 1.696g | CBC Section 1613A.3.4 |
| Design Spectral Response Acceleration, Parameter S_{D1} | 0.956g | CBC Section 1613A.3.4 |

5.9 Lateral Resistance

Lateral loads acting against structures may be resisted by friction between the footings and the supporting soil or passive pressure acting against structures. If frictional resistance is used, we recommend allowable coefficients of friction of 0.30 (total frictional resistance equals the coefficient of friction multiplied by the dead load) for concrete cast directly against compacted fill. A design passive resistance value of 150 pounds per square foot per foot of depth (with a maximum value of 1,500 pounds per square foot) may be used. The allowable lateral resistance can be taken as the sum of the frictional resistance and the

passive resistance, provided the passive resistance does not exceed two-thirds of the total allowable resistance.

5.10 Settlement

The anticipated total **static** settlement is approximately 1 inch measured between adjacent structural elements. Differential settlements are expected to be less than one-half of an inch, measured between adjacent structural elements or in a distance of 30 feet.

The estimated total **seismic** settlement is 2.33 inches with maximum differential settlements on the order of 0.68 inches (the difference between the estimated settlement calculations for CPT-1b and CPT-3, as indicated in Appendix F) in a horizontal distance of approximately 30 feet.

5.11 Exterior Flatwork

To reduce the potential for cracking in exterior flatwork caused by minor movement of subgrade soils and concrete shrinkage, we recommend that such flatwork be installed with crack-control joints at appropriate spacing as designed by the project architect. Additionally, we recommend that flatwork be installed with at least number 3 reinforcing bars at 18-inch centers, each way, at mid-height of slab or other reinforcement per the project consultants. Flatwork, which should be installed with crack control joints, includes driveways, sidewalks, and architectural features. All subgrades should be prepared according to the earthwork recommendations previously given before placing concrete. Positive drainage should be established and maintained next to all flatwork. Subgrade

materials shall be maintained or elevated to above optimum moisture content until just before concrete placement.

5.12 Drainage

Surface runoff should be collected and directed away from improvements by means of appropriate erosion-reducing devices and positive drainage should be established around the proposed improvements. Positive drainage should be directed away from improvements at a gradient of at least two percent for a distance of at least five feet. However, the project civil engineers should evaluate the on-site drainage and make necessary provisions to keep surface water from affecting the site.

Generally, CTE recommends against allowing water to infiltrate building pads or adjacent to slopes. We understand that some agencies are encouraging the use of storm-water infiltration devices. Use of such devices tends to increase the possibility of high groundwater and slope instability. If infiltration devices must be used, then we recommend that they be underlain by an impervious barrier and that the infiltrate be collected via subsurface piping and discharged off site.

5.13 Construction Observation

The recommendations provided in this report are based on preliminary design information for the proposed construction and the subsurface conditions observed in the exploratory borings. The interpolated subsurface conditions should be checked in the field during construction to

verify that conditions are as anticipated. When applicable, soil samples should be collected prior to grading and tested for laboratory-defined optimum moisture contents with respect to maximum soil densities of compacted fill material. Upon completion of precise grading, soil samples should be collected to evaluate as-built Expansion Index and soluble-sulfate content of at-grade soils. Foundation recommendations may be revised upon completion of grading and as-built laboratory tests results.

Recommendations provided in this report are based on the understanding and assumption that CTE will provide the observation and testing services for the project. All earthwork should be observed and tested to verify that grading activity has been performed according to the recommendations contained within this report. The project engineer should evaluate all footing trenches before reinforcing steel placement.

5.14 Plan Review

CTE should be authorized to review the project grading and foundation plans before commencement of earthwork to identify potential conflicts with the intent of CTE's recommendations.

6.0 LIMITATIONS OF INVESTIGATION

The field evaluation, laboratory testing, and geotechnical analysis presented in this report have been conducted according to current engineering practice and the standard of care exercised by reputable geotechnical consultants performing similar tasks in this area. No

other warranty, expressed or implied, is made regarding the conclusions, recommendations and opinions expressed in this report. Variations may exist and conditions not observed or described in this report may be encountered during construction.

The findings of this report are valid as of the present date. However, changes in the conditions of a property can occur with the passage of time, whether they be due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside our control. Therefore, this report is subject to review and should not be relied upon after a period of one year.

CTE's conclusions and recommendations are based on an analysis of the observed conditions. If conditions different from those described in this report are encountered, our office should be notified and additional recommendations, if required, will be provided.

We appreciate this opportunity to be of service on this project. If you have any questions regarding this report, please do not hesitate to contact the undersigned.

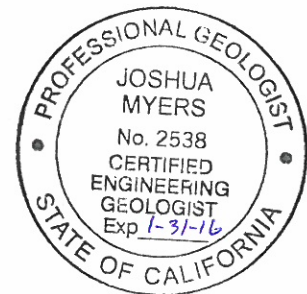
Respectfully submitted,

CTE South, Inc.

Dharmesh Amin
Dharmesh Amin, MS, PE, GE
Principal Engineer



Josh Myers
Josh Myers, PG, CEG
Project Geologist



APPENDIX A

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APPENDIX B

FIELD EXPLORATION METHODS AND EXPLORATION LOGS

EXPLORATION METHODS

The soil conditions within the site were explored by drilling 2 hollow-stem auger borings and 5 Cone Penetrometer Test (CPT) soundings at the location shown on Figure 3. The borings were drilled using 8-inch-diameter hollow-stem auger drilling equipment. The soils encountered were classified in the accordance with the Unified Soil Classification System. Results of the borings are presented in this Appendix.

Our field representative obtained relatively undisturbed and bulk samples for laboratory observation and testing. The number of blows of the hammer needed to drive the sampler 12 inches was recorded as an indication of the density or consistency of the earth materials.

In addition to obtaining undisturbed samples, Standard Penetration Tests (SPT) were performed in hollow stem borings. The results of the tests are indicated on the boring logs. The standard penetration tests were performed in accordance with the ASTM D1586 Test Method.

The hammer weights for various depths and drilling equipment are summarized in the following tables.

HAMMER WEIGHTS

| Sampling Type | Weight in pounds |
|----------------------------|------------------|
| Undisturbed (30-inch drop) | 140 |
| SPT (30-inch drop) | 140 |

CONE PENETROMETER TEST SOUNDINGS

Cone Penetrometer Test (CPT) soundings were performed for us at 1 locations by Kehoe Testing & Engineering. The soundings extended to depths of approximately 50.0 feet. The locations of the soundings are shown on Figure 3. The results of the soundings and the methodology of performing the soundings are presented in the Kehoe Testing & Engineering report in this appendix.



DEFINITION OF TERMS

| PRIMARY DIVISIONS | | SYMBOLS | | SECONDARY DIVISIONS | |
|---|---|--------------------------------|---|--|--|
| COARSE GRAINED SOILS MORE THAN HALF OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE | GRAVELS MORE THAN HALF OF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE | CLEAN GRAVELS < 5% FINES | GW | WELL GRADED GRAVELS, GRAVEL-SAND MIXTURES LITTLE OR NO FINES | |
| | | GRAVELS WITH FINES | GP | POORLY GRADED GRAVELS OR GRAVEL SAND MIXTURES, LITTLE OF NO FINES | |
| | | | GM | SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES, NON-PLASTIC FINES | |
| | | GC | CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES, PLASTIC FINES | | |
| | SANDS MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE | CLEAN SANDS < 5% FINES | SW | WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES | |
| | | | SP | POORLY GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES | |
| | | SANDS WITH FINES | SM | SILTY SANDS, SAND-SILT MIXTURES, NON-PLASTIC FINES | |
| | | | SC | CLAYEY SANDS, SAND-CLAY MIXTURES, PLASTIC FINES | |
| FINE GRAINED SOILS MORE THAN HALF OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE | SILTS AND CLAYS LIQUID LIMIT IS LESS THAN 50 | | ML | INORGANIC SILTS, VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS, SLIGHTLY PLASTIC CLAYEY SILTS | |
| | | | CL | INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY, SANDY, SILTS OR LEAN CLAYS | |
| | | | OL | ORGANIC SILTS AND ORGANIC CLAYS OF LOW PLASTICITY | |
| | SILTS AND CLAYS LIQUID LIMIT IS GREATER THAN 50 | | MH | INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS | |
| | | | CH | INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS | |
| | | | OH | ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTY CLAYS | |
| | HIGHLY ORGANIC SOILS | | PT | PEAT AND OTHER HIGHLY ORGANIC SOILS | |

GRAIN SIZES

| BOULDERS | COBBLES | GRAVEL | | SAND | | | SILTS AND CLAYS |
|----------------------------|---------|--------|------|--------------------------|--------|------|-----------------|
| | | COARSE | FINE | COARSE | MEDIUM | FINE | |
| 12" | 3" | 3/4" | 4 | 10 | 40 | 200 | |
| CLEAR SQUARE SIEVE OPENING | | | | U.S. STANDARD SIEVE SIZE | | | |

ADDITIONAL TESTS

(OTHER THAN TEST PIT AND BORING LOG COLUMN HEADINGS)

MAX- Maximum Dry Density
 GS- Grain Size Distribution
 SE- Sand Equivalent
 EI- Expansion Index
 CHM- Sulfate and Chloride
 Content , pH, Resistivity
 COR - Corrosivity

PM- Permeability
 SG- Specific Gravity
 HA- Hydrometer Analysis
 AL- Atterberg Limits
 RV- R-Value
 CN- Consolidation

PP- Pocket Penetrometer
 WA- Wash Analysis
 DS- Direct Shear
 UC- Unconfined Compression
 MD- Moisture/Density
 M- Moisture
 SC- Swell Compression
 OI- Organic Impurities



PROJECT: Marshall Elementary School
 CTE JOB NO: 30-1301G
 LOGGED BY: J. Myers

| Depth (Feet) | Bulk Sample Driven Type | Blows/Foot | Dry Density (pcf) | Moisture (%) | U.S.C.S. Symbol | Graphic Log | BORING LEGEND | |
|--------------|-------------------------|------------|-------------------|--------------|-----------------|-------------|---|------------------|
| | | | | | | | DESCRIPTION | Laboratory Tests |
| 0 | | | | | | | Block or Chunk Sample | |
| | | | | | | | Bulk Sample | |
| 5 | | | | | | | | |
| | | | | | | | Standard Penetration Test | |
| 10 | | | | | | | Modified Split-Barrel Drive Sampler (Cal Sampler) | |
| | | | | | | | Thin Walled Army Corp. of Engineers Sample | |
| 15 | | | | | | | Groundwater Table | |
| | | | | | | | Observed Soil Type or Classification Change | |
| | | | | | | | Approximate Soil Type or Classification Change | |
| 20 | | | | | | | Formation Change [(Approximate boundaries queried (?))] | |
| 25 | | | | | "SM" | | Quotes are placed around classifications where the soils exist in situ as bedrock | |

FIGURE:

BL2




PROJECT: Marshall Elementary School DRILLER: S/G Drilling SHEET: 1 of 3
 CTE JOB NO: 30-1301G DRILL METHOD: 8" Hollow Stem Augers DRILLING DATE: 9/26/2015
 LOGGED BY: Josh Myers SAMPLE METHOD: SPT ELEVATION: TBD

| Depth (Feet) | Bulk Sample Driven Type | Blows/12 Inches | Dry Density (pcf) | Moisture (%) | U.S.C.S. Symbol | Graphic Log | BORING: B-1 | |
|--------------|-------------------------|-----------------|-------------------|--------------|-----------------|-------------|---|-----------------------|
| | | | | | | | DESCRIPTION | Laboratory Tests |
| 0 | | | | | | | 3" of asphalt concrete over 7" aggregate base material. | |
| | | | | | CL (Fill) | | <u>FILL</u> : Silty clay (CL), medium stiff, brown, moist, scattered debris. | direct shear |
| 9 | | | | | CL | | <u>NATURAL SOIL</u> : Slightly sandy, silty clay (CL), stiff, brown to gray brown, scattered calcareous deposits. | |
| | | | | | SM | | Silty fine sand (SM), loose, light brown, moist. | |
| | | | | | ML | | Fine sandy silt (ML), medium stiff, light brown, slightly moist. | |
| 10 | | 6 | | | | | Slightly silty fine to medium sand (SP-SM), medium dense, slightly moist, light brown to light gray. | -#200 Passing = 48.0% |
| | | 16 | | | | | | -#200 Passing = 2.9% |
| 15 | | 35 | | | | | Increase in sand clast size to coarse, few gravels, dense to very dense. | |
| | | 28 | | | SP-SM | | | |
| 20 | | 28 | | | | | Slightly clayey, dense, wet, dark brown, few organics. | |
| 25 | | 27 | | | | | Light brown to light gray, slightly moist to wet, poorly graded. | -#200 Passing = 3.9% |

FIGURE: B-1a



PROJECT: Marshall Elementary School DRILLER: S/G Drilling SHEET: 2 of 3
 CTE JOB NO: 30-1301G DRILL METHOD: 8" Hollow Stem Augers DRILLING DATE: 9/26/2015
 LOGGED BY: Josh Myers SAMPLE METHOD: SPT ELEVATION: TBD

| Depth (Feet) | Bulk Sample Driven Type | Blows/12 Inches | Dry Density (pcf) | Moisture (%) | U.S.C.S. Symbol | Graphic Log | BORING: B-1 | |
|--------------|-------------------------|-----------------|-------------------|--------------|-----------------|--|---|---------------------|
| | | | | | | | DESCRIPTION | Laboratory Tests |
| 25 | | 27 | | | | | Silty fine to coarse sand (SP-SM), as described on the previous page. | #200 Passing = 5.1% |
| 23 | | | | | SP-SM |  Ground water observed at a depth of 28.0 feet. | | |
| 30 | | 32 | | | | | Scattered cobbles and gravels. | |
| 35 | | | | | | Silty fine to medium sand with few cobbles and gravels (SM), dense, brown, wet, few lenses with calcareous deposits. | | |
| 40 | | 46 | | | | | Gray- brown lense between approximately 45 and 45.5 feet. | |
| 45 | | | | | SM | | | |
| 45 | | 36 | | | | | | |
| 50 | | 65 | | | | | Very dense | |



PROJECT: Marshall Elementary School DRILLER: S/G Drilling SHEET: 3 of 3
 CTE JOB NO: 30-1301G DRILL METHOD: 8" Hollow Stem Augers DRILLING DATE: 9/26/2015
 LOGGED BY: Josh Myers SAMPLE METHOD: Rings and Bulk ELEVATION: TBD

| Depth (Feet) | Bulk Sample Driven Type | Blows/12 Inches | Dry Density (pcf) | Moisture (%) | U.S.C.S. Symbol | Graphic Log | BORING: B-1 | |
|--------------|-------------------------|-----------------|-------------------|--------------|-----------------|-------------|--|------------------|
| | | | | | | | DESCRIPTION | |
| 50 | □ | 65 | | | SM | | Silty, fine to medium sand (SM), as described on the previous page. | Laboratory Tests |
| | | | | | | | Bottom of boring at 50.5 feet. Water observed at 28.0 feet. Boring caved at 28.0 feet. | |
| 55 | | | | | | | | |
| 60 | | | | | | | | |
| 65 | | | | | | | | |
| 70 | | | | | | | | |
| 75 | | | | | | | Slightly silty fine to medium sand (SP-SM), dense, light brown to light | |



PROJECT: Marshall Elementary School DRILLER: S/G Drilling SHEET: 1 of 1
 CTE JOB NO: 30-1301G DRILL METHOD: 8" Hollow Stem Augers DRILLING DATE: 9/28/2015
 LOGGED BY: Josh Myers SAMPLE METHOD: Cal. Barrel, SPT and Bulk ELEVATION: TBD

| Depth (Feet) | Bulk Sample Driven Type | Blows/6 Inches | Dry Density (pcf) | Moisture (%) | U.S.C.S. Symbol | Graphic Log | BORING: B-2 | |
|--------------|-------------------------|----------------|-------------------|--------------|-----------------|-------------|---|----------------------|
| | | | | | | | DESCRIPTION | Laboratory Tests |
| 0 | | | | | CL | | Fill: Silty, gravelly, fine sandy clay (CL), stiff, brown, moist. | |
| | | | | | SM | | Clayey, gravelly, silty fine sand (SM), medium dense, dark brown, moist. | |
| 5 | | 13 | | | | | | |
| | | | 114.0 | 14.0 | ML | | Natural Soil: Clayey, gravelly, fine sandy silt (ML), stiff, dark brown, moist. Decrease in clay and gravel content, brown, slightly blocky. | |
| 10 | | 20 | | | | | | |
| | | | | | SW-SM | | Slightly silty, slightly gravelly to gravelly, fine to medium sand (SW-SM), dense, light brown to brown. | -#200 Passing = 2.3% |
| 15 | | 29 | | 3.6 | | | | |
| | | | | | | | Bottom of boring at 20.5 feet. No water observed. Boring caved to 16.5 feet. | |
| 20 | | 45 | | | | | Slightly silty fine to medium sand (SP-SM), dense, light brown to light | |
| 25 | | | | | | | | |

SUMMARY
OF
CONE PENETRATION TEST DATA

Project:

**Thurgood Marshall Elementary School
2900 Thurgood Marshall Drive
Oxnard, CA
October 3, 2015**

Prepared for:

**Mr. Josh Myers
CTE (Construction Testing & Eng.)
1645 Pacific Avenue, Ste 107
Oxnard, CA 93033
Office (805) 486-6475 / Fax (805) 486-9016**

Prepared by:



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- CPT Classification/Soil Behavior Chart
- Interpretation Output (CPeT-IT)
- Summary of Shear Wave Velocities
- CPeT-IT Calculation Formulas

SUMMARY OF CONE PENETRATION TEST DATA

1. INTRODUCTION

This report presents the results of a Cone Penetration Test (CPT) program carried out for the Thurgood Marshall Elementary School project located at 2900 Thurgood Marshall Drive in Oxnard, California. The work was performed by Kehoe Testing & Engineering (KTE) on October 3, 2015. The scope of work was performed as directed by CTE (Construction Testing & Eng.) personnel.

2. SUMMARY OF FIELD WORK

The fieldwork consisted of performing CPT soundings at five locations to determine the soil lithology. Groundwater measurements and hole collapse depths provided in **TABLE 2.1** are for information only. The readings indicate the apparent depth to which the hole is open and the apparent water level (if encountered) in the CPT probe hole at the time of measurement upon completion of the CPT. KTE does not warranty the accuracy of the measurements and the reported water levels may not represent the true or stabilized groundwater levels.

| LOCATION | DEPTH OF CPT (ft) | COMMENTS/NOTES: |
|----------|-------------------|-------------------------------------|
| CPT-1 | 30 | Refusal, hole open to 28.5 ft (dry) |
| CPT-1B | 50 | Groundwater @ 28.0 ft |
| CPT-2 | 45 | Groundwater @ 30.0 ft |
| CPT-3 | 50 | Groundwater @ 29.0 ft |
| CPT-4 | 50 | Groundwater @ 28.0 ft |

TABLE 2.1 - Summary of CPT Soundings

3. FIELD EQUIPMENT & PROCEDURES

The CPT soundings were carried out by **KTE** using an integrated electronic cone system manufactured by Vertek. The CPT soundings were performed in accordance with ASTM standards (D5778). The cone penetrometers were pushed using a 30-ton CPT rig. The cone used during the program was a 15 cm² cone and recorded the following parameters at approximately 2.5 cm depth intervals:

- Cone Resistance (qc)
- Sleeve Friction (fs)
- Dynamic Pore Pressure (u)
- Inclination
- Penetration Speed

At locations CPT-1 & CPT-1B, shear wave measurements were obtained at various depths. The shear wave is generated using an air-actuated hammer, which is located inside the front jack of the CPT rig. The cone has a triaxial geophone, which recorded the shear wave signal generated by the air hammer.

The above parameters were recorded and viewed in real time using a laptop computer. Data is stored at the KTE office for future analysis and reference. A complete set of baseline readings was taken prior to each sounding to determine temperature shifts and any zero load offsets. Monitoring base line readings ensures that the cone electronics are operating properly.

4. CONE PENETRATION TEST DATA & INTERPRETATION

The Cone Penetration Test data is presented in graphical form in the attached Appendix. These plots were generated using the CPeT-IT program. Penetration depths are referenced to ground surface. The soil classification on the CPT plots is derived from the attached CPT Classification Chart (Robertson) and presents major soil lithologic changes. The stratigraphic interpretation is based on relationships between cone resistance (q_c), sleeve friction (f_s), and penetration pore pressure (u). The friction ratio (R_f), which is sleeve friction divided by cone resistance, is a calculated parameter that is used along with cone resistance to infer soil behavior type. Generally, cohesive soils (clays) have high friction ratios, low cone resistance and generate excess pore water pressures. Cohesionless soils (sands) have lower friction ratios, high cone bearing and generate little (or negative) excess pore water pressures.

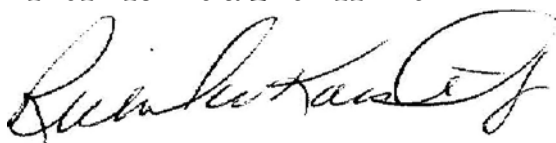
Tables of basic CPT output from the interpretation program CPeT-IT are provided for CPT data averaged over one foot intervals in the Appendix. Spreadsheet files of the averaged basic CPT output and averaged estimated geotechnical parameters are also included for use in further geotechnical analysis. We recommend a geotechnical engineer review the assumed input parameters and the calculated output from the CPeT-IT program. A summary of the equations used for the tabulated parameters is provided in the Appendix.

It should be noted that it is not always possible to clearly identify a soil type based on q_c , f_s and u . In these situations, experience, judgement and an assessment of the pore pressure data should be used to infer the soil behavior type.

If you have any questions regarding this information, please do not hesitate to call our office at (714) 901-7270.

Sincerely,

KEHOE TESTING & ENGINEERING



Richard W. Koester, Jr.
General Manager

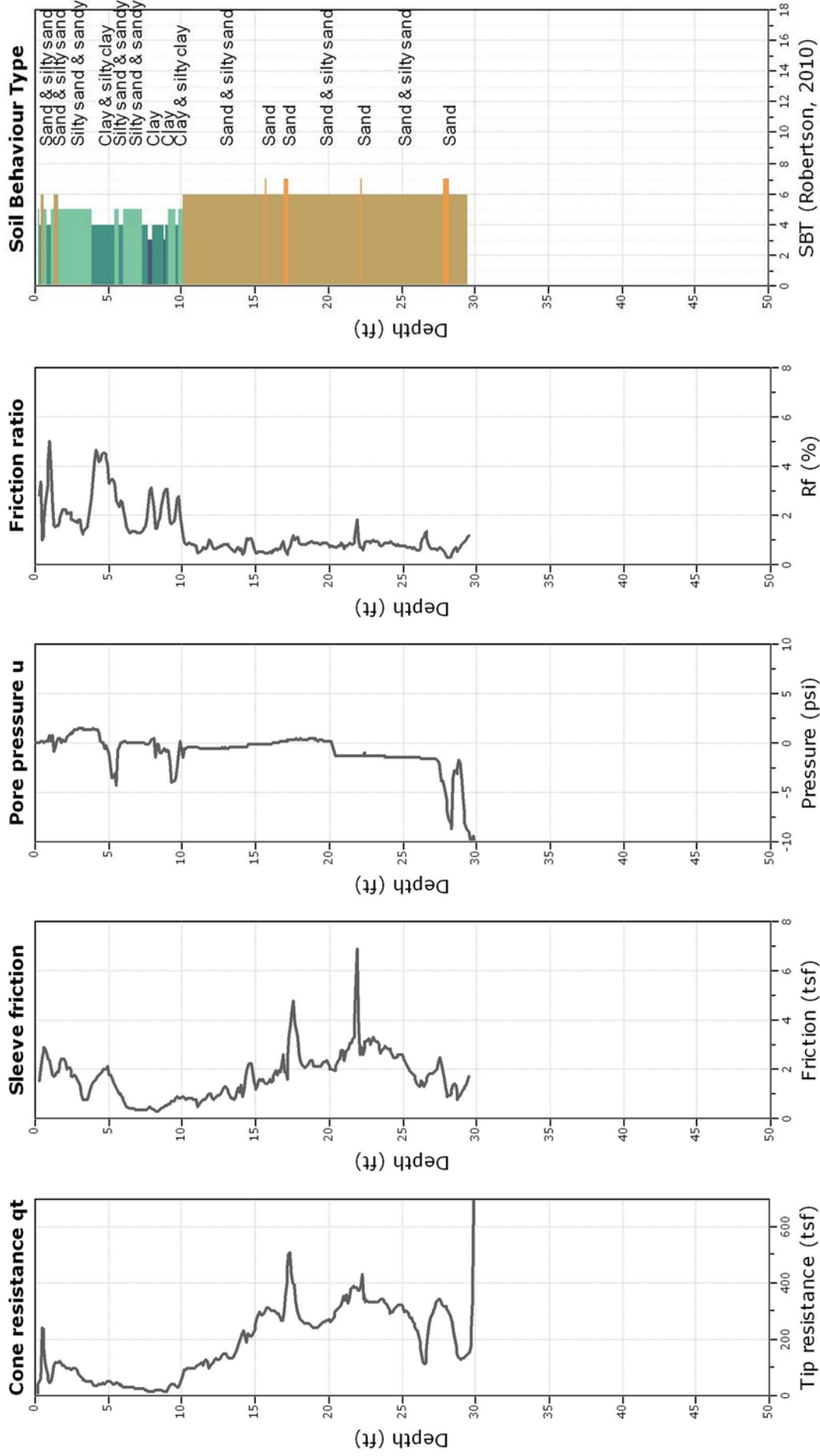
APPENDIX



Kehoe Testing and Engineering
 714-901-7270
 rich@kehoetesting.com
 www.kehoetesting.com

Project: CTE (Construction Testing and Eng.)/Thurgood Marshall Elementary School
Location: 2900 Thurgood Marshall Dr Oxnard, CA

CPT: CPT-1
 Total depth: 29.89 ft, Date: 10/3/2015
 Cone Type: Vertek

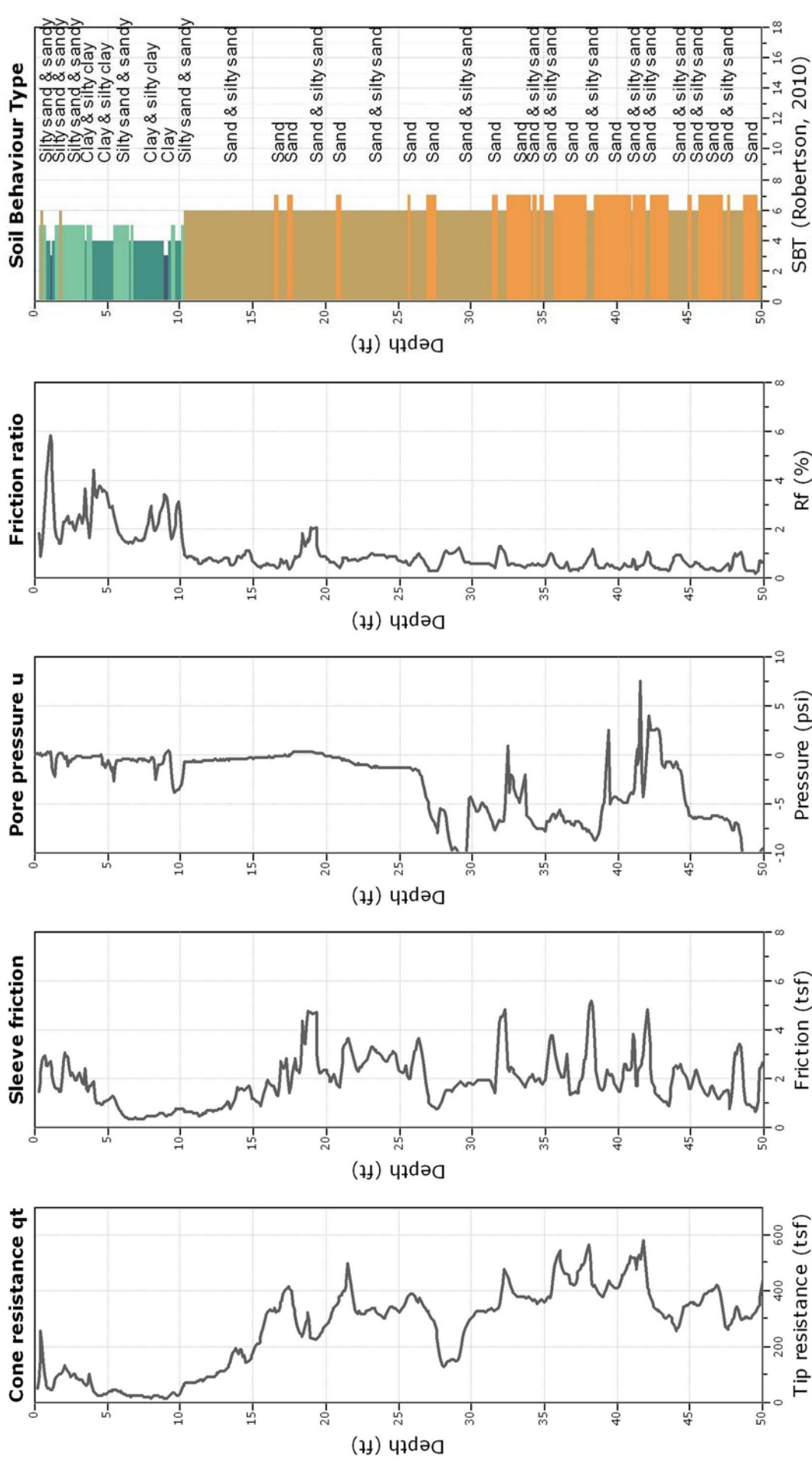




Kehoe Testing and Engineering
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Project: CTE (Construction Testing and Eng.)/Thurgood Marshall Elementary School
Location: 2900 Thurgood Marshall Dr Oxnard, CA

CPT: CPT-1B
Total depth: 50.30 ft, Date: 10/3/2015
Cone Type: Vertek

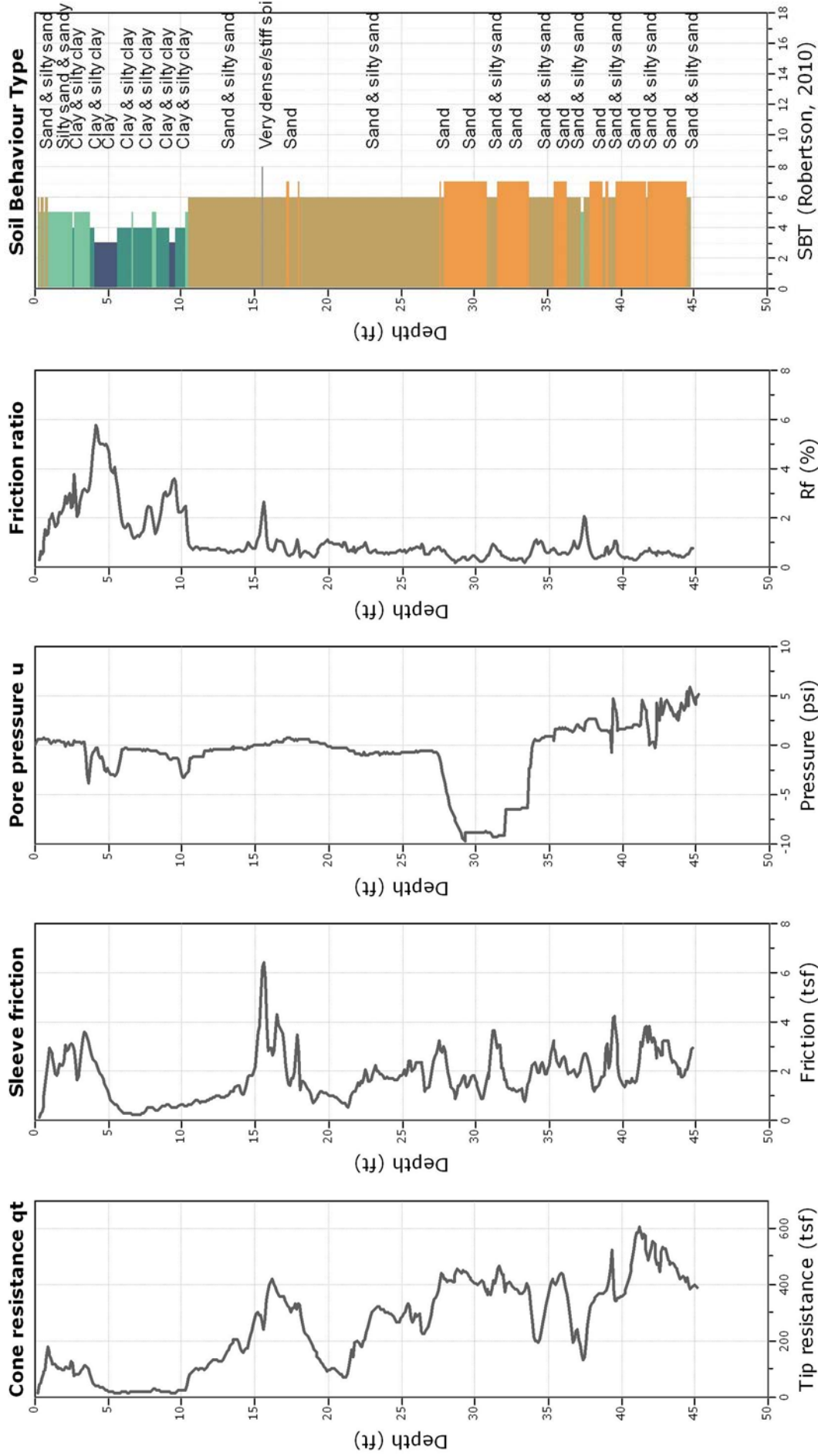




Kehoe Testing and Engineering
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Project: CTE (Construction Testing and Eng.)/Thurgood Marshall Elementary School
Location: 2900 Thurgood Marshall Dr Oxnard, CA

CPT: CPT-2
 Total depth: 45.19 ft, Date: 10/3/2015
 Cone Type: Vertek

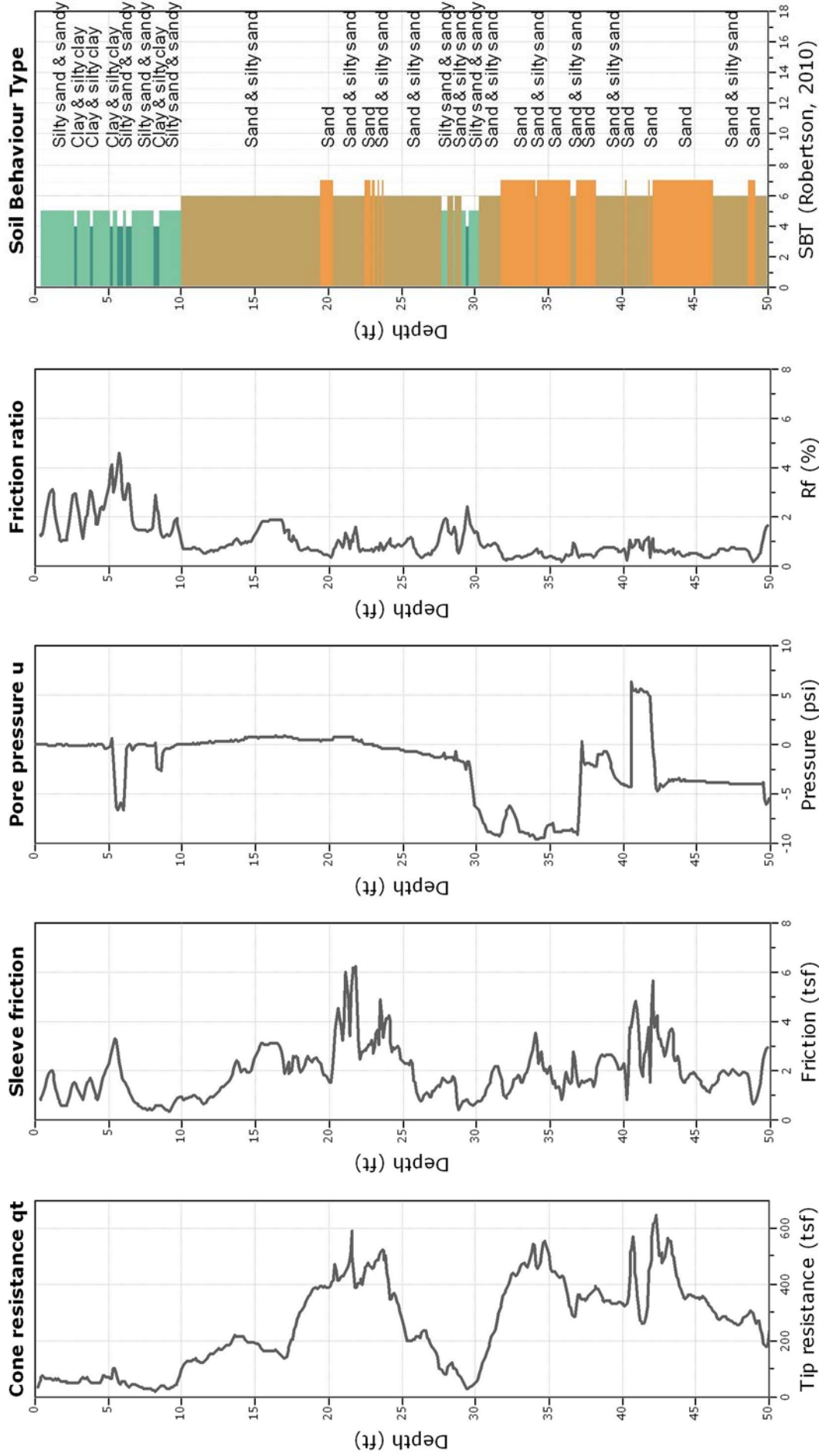




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Project: CTE (Construction Testing and Eng.)/Thurgood Marshall Elementary School
Location: 2900 Thurgood Marshall Dr Oxnard, CA

CPT: CPT-3
 Total depth: 50.16 ft, Date: 10/3/2015
 Cone Type: Vertek

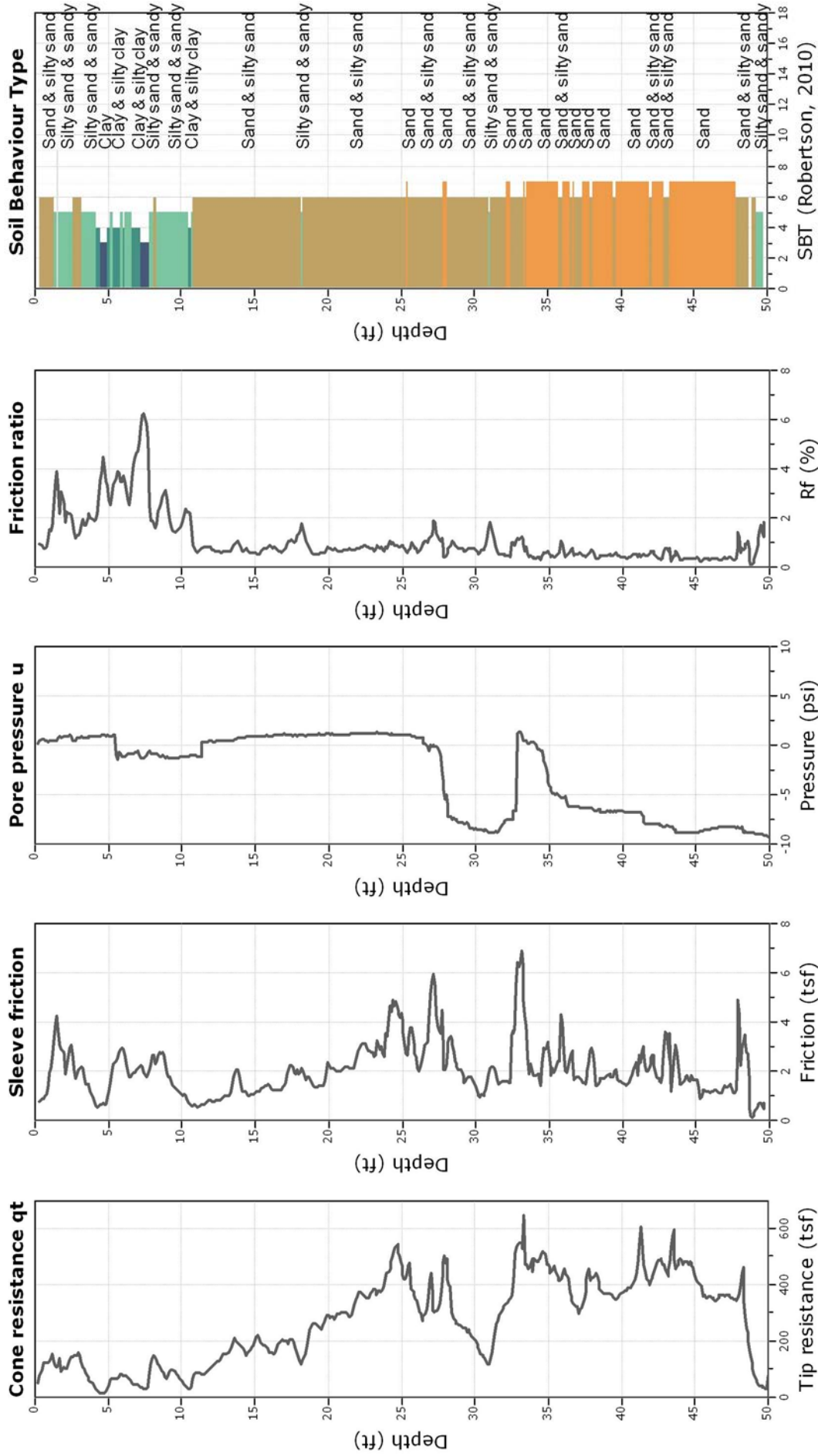


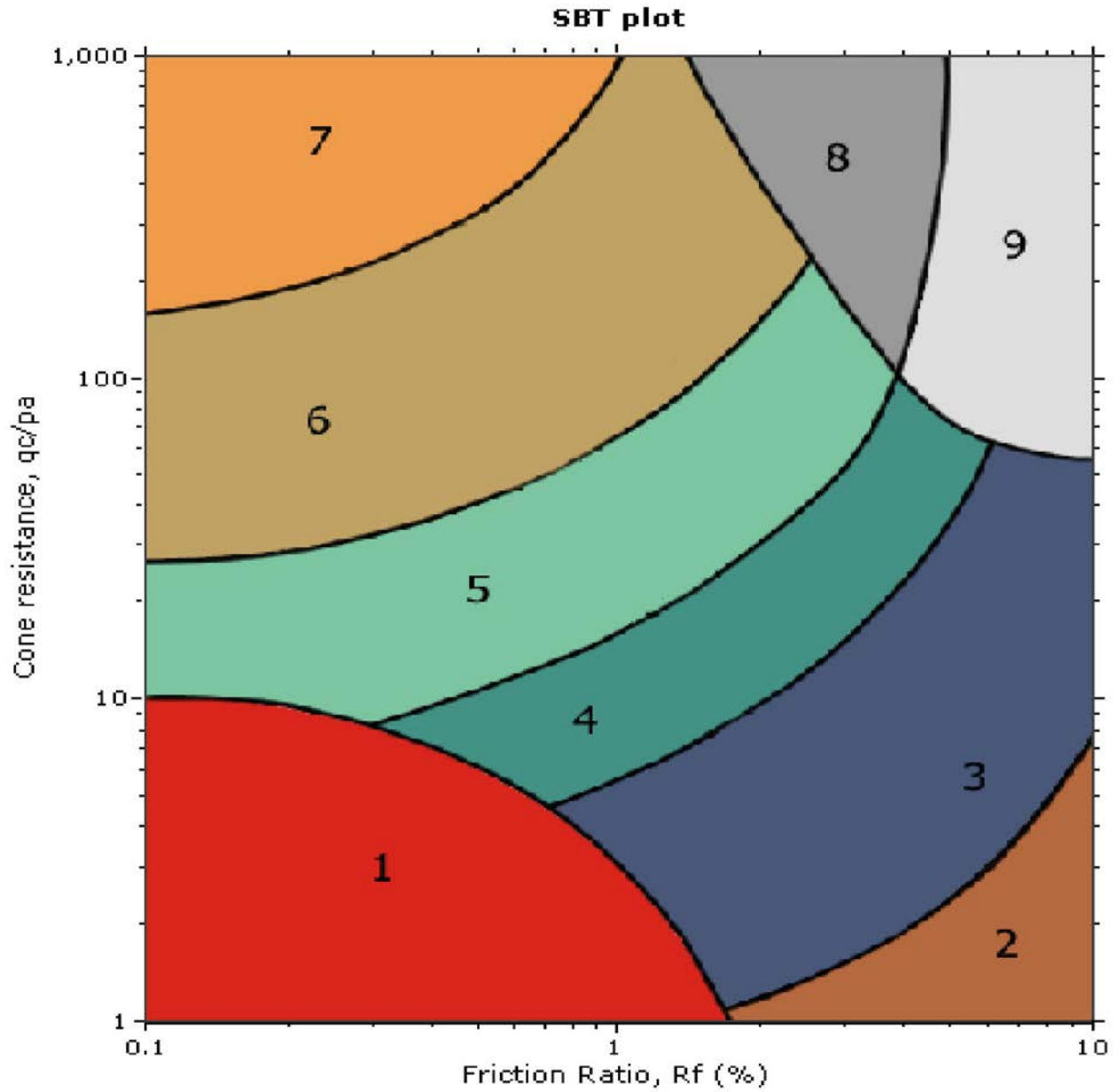


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Project: CTE (Construction Testing and Eng.)/Thurgood Marshall Elementary School
Location: 2900 Thurgood Marshall Dr Oxnard, CA

CPT: CPT-4
 Total depth: 50.00 ft, Date: 10/3/2015
 Cone Type: Vertek





SBT legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |

| Depth (ft) | CPT-1 In situ data | | | | Basic output data | | | | | | | | | | | | | | | |
|------------|--------------------|----------|---------|-------|-------------------|--------|-----|---------|-----------------|------------------|----------|----------------------|--------|--------|--------|------|--------|--------|--------|----------|
| | qc (tsf) | fs (tsf) | u (psi) | Other | qt (tsf) | Rf(%) | SBT | Ic SBT | \bar{a} (pcf) | σ_v (tsf) | u0 (tsf) | σ'_{vo} (tsf) | Qt1 | Fr (%) | Bq | SBTn | n | Cn | Ic | Qtn |
| 1 | 49.5 | 2.37 | 0.59 | -0.66 | 49.5072 | 4.7872 | 4 | 2.61721 | 126.1024 | 0.06305 | 0 | 0.0631 | 784.19 | 4.7933 | 0.0009 | 9 | 0.6687 | 6.592 | 2.1391 | 308.0355 |
| 2 | 107.7 | 2.39 | 0.1 | -0.73 | 107.701 | 2.2191 | 5 | 2.14272 | 128.0596 | 0.12708 | 0 | 0.1271 | 846.5 | 2.2217 | 7E-05 | 8 | 0.555 | 3.242 | 1.8333 | 329.605 |
| 3 | 75.1 | 1.4 | 1.53 | -0.67 | 75.1187 | 1.8637 | 5 | 2.20038 | 123.2675 | 0.18871 | 0 | 0.1887 | 397.05 | 1.8684 | 0.0015 | 6 | 0.5845 | 2.7392 | 1.9032 | 193.9745 |
| 4 | 38.4 | 1.52 | 1.48 | -0.61 | 38.4181 | 3.9565 | 4 | 2.63641 | 122.2338 | 0.24983 | 0 | 0.2498 | 152.78 | 3.9824 | 0.0028 | 9 | 0.7463 | 2.9367 | 2.324 | 105.932 |
| 5 | 51.9 | 2.01 | -0.87 | -0.57 | 51.8894 | 3.8736 | 4 | 2.53688 | 125.0115 | 0.31234 | 0 | 0.3123 | 165.13 | 3.8971 | -0.001 | 8 | 0.7346 | 2.4506 | 2.2845 | 119.4517 |
| 6 | 34.1 | 0.82 | 0.06 | -0.56 | 34.1007 | 2.4046 | 4 | 2.53217 | 117.4273 | 0.37105 | 0 | 0.3711 | 90.903 | 2.4311 | 0.0001 | 5 | 0.7388 | 2.1689 | 2.2883 | 69.13939 |
| 7 | 27 | 0.34 | 0.02 | -0.55 | 27.0002 | 1.2593 | 5 | 2.44935 | 110.4163 | 0.42626 | 0 | 0.4263 | 62.342 | 1.2795 | 5E-05 | 5 | 0.7176 | 1.9201 | 2.2256 | 48.22349 |
| 8 | 14.3 | 0.38 | 0.38 | -0.55 | 14.3047 | 2.6565 | 4 | 2.85918 | 109.6807 | 0.4811 | 0 | 0.4811 | 28.733 | 2.7489 | 0.002 | 4 | 0.8784 | 1.9983 | 2.6398 | 26.1066 |
| 9 | 19.2 | 0.54 | -0.72 | -0.55 | 19.1912 | 2.8138 | 4 | 2.77073 | 112.9686 | 0.53758 | 0 | 0.5376 | 34.699 | 2.8949 | -0.003 | 4 | 0.8622 | 1.7929 | 2.5903 | 31.60785 |
| 10 | 69.8 | 0.86 | -1.25 | -0.53 | 69.7847 | 1.2324 | 5 | 2.10786 | 119.5223 | 0.59734 | 0 | 0.5973 | 115.82 | 1.243 | -0.001 | 6 | 0.6369 | 1.4393 | 1.9917 | 94.11297 |
| 11 | 103.2 | 0.74 | -0.43 | -0.55 | 103.195 | 0.7171 | 6 | 1.83026 | 119.3769 | 0.65703 | 0 | 0.657 | 156.06 | 0.7217 | -3E-04 | 6 | 0.5454 | 1.2968 | 1.7441 | 125.6686 |
| 12 | 109.6 | 0.9 | -0.5 | -0.57 | 109.594 | 0.8212 | 6 | 1.8448 | 120.9559 | 0.71751 | 0 | 0.7175 | 151.74 | 0.8266 | -3E-04 | 6 | 0.5602 | 1.2431 | 1.7752 | 127.9125 |
| 13 | 145.3 | 1.22 | -0.5 | -0.58 | 145.294 | 0.8397 | 6 | 1.75612 | 123.8695 | 0.77945 | 0 | 0.7795 | 185.41 | 0.8442 | -3E-04 | 6 | 0.5368 | 1.1783 | 1.706 | 160.9301 |
| 14 | 204.4 | 1.31 | -0.35 | -0.67 | 204.396 | 0.6409 | 6 | 1.56726 | 125.2228 | 0.84206 | 0 | 0.8421 | 241.73 | 0.6436 | -1E-04 | 6 | 0.4744 | 1.1145 | 1.5346 | 214.3918 |
| 15 | 248 | 1.24 | -0.2 | -0.84 | 247.998 | 0.5 | 6 | 1.43342 | 125.2925 | 0.9047 | 0 | 0.9047 | 273.12 | 0.5018 | -6E-05 | 6 | 0.4312 | 1.0699 | 1.4133 | 249.8401 |
| 16 | 307.6 | 1.53 | -0.13 | -0.74 | 307.598 | 0.4974 | 6 | 1.36143 | 127.3556 | 0.96838 | 0 | 0.9684 | 316.64 | 0.499 | -3E-05 | 6 | 0.4108 | 1.0371 | 1.3517 | 300.5349 |
| 17 | 338.3 | 1.9 | 0.15 | -0.53 | 338.302 | 0.5616 | 6 | 1.36803 | 129.1724 | 1.03297 | 0 | 1.033 | 326.5 | 0.5634 | 3E-05 | 6 | 0.4196 | 1.0101 | 1.3668 | 321.9793 |
| 18 | 282.3 | 2.38 | 0.35 | -0.58 | 282.304 | 0.8431 | 6 | 1.55001 | 130.3792 | 1.09816 | 0 | 1.0982 | 256.07 | 0.8464 | 9E-05 | 6 | 0.4954 | 0.9818 | 1.5578 | 260.9164 |
| 19 | 240 | 2.11 | 0.33 | -0.67 | 240.004 | 0.8792 | 6 | 1.61144 | 129.1022 | 1.16271 | 0 | 1.1627 | 205.42 | 0.8834 | 0.0001 | 6 | 0.5258 | 0.9516 | 1.6294 | 214.8093 |
| 20 | 270.7 | 2.04 | 0.15 | -0.71 | 270.702 | 0.7536 | 6 | 1.52697 | 129.1489 | 1.22728 | 0 | 1.2273 | 219.57 | 0.757 | 4E-05 | 6 | 0.4996 | 0.9286 | 1.5523 | 236.4873 |
| 21 | 348.9 | 2.45 | -1.33 | -0.73 | 348.884 | 0.7022 | 6 | 1.42948 | 131.1077 | 1.29284 | 0 | 1.2928 | 268.86 | 0.7049 | -3E-04 | 6 | 0.467 | 0.9107 | 1.4591 | 299.158 |
| 22 | 374.2 | 3.67 | -1.26 | -0.73 | 374.185 | 0.9808 | 6 | 1.52216 | 134.2353 | 1.35995 | 0 | 1.36 | 274.14 | 0.9844 | -2E-04 | 6 | 0.5081 | 0.8803 | 1.5585 | 310.1683 |
| 23 | 332.8 | 3.29 | -1.19 | -0.09 | 332.785 | 0.9886 | 6 | 1.55621 | 133.1496 | 1.42653 | 0 | 1.4265 | 232.28 | 0.9929 | -3E-04 | 6 | 0.528 | 0.8541 | 1.6025 | 267.4614 |
| 24 | 321.7 | 2.85 | -1.48 | 0.13 | 321.682 | 0.886 | 6 | 1.5288 | 132.0163 | 1.49254 | 0 | 1.4925 | 214.53 | 0.8901 | -3E-04 | 6 | 0.5238 | 0.8351 | 1.5833 | 252.711 |
| 25 | 319.3 | 2.53 | -1.56 | 0.15 | 319.281 | 0.7924 | 6 | 1.49427 | 131.1266 | 1.5581 | 0 | 1.5581 | 203.92 | 0.7963 | -4E-04 | 6 | 0.5166 | 0.8188 | 1.5562 | 245.8671 |
| 26 | 233.1 | 1.38 | -1.56 | 0.22 | 233.081 | 0.5921 | 6 | 1.50166 | 125.924 | 1.62106 | 0 | 1.6211 | 142.78 | 0.5962 | -5E-04 | 6 | 0.529 | 0.798 | 1.5808 | 174.56 |
| 27 | 291.1 | 1.82 | -1.64 | 0.31 | 291.08 | 0.6253 | 6 | 1.44718 | 128.4909 | 1.68531 | 0 | 1.6853 | 171.72 | 0.6289 | -4E-04 | 6 | 0.5112 | 0.7883 | 1.5261 | 215.5913 |
| 28 | 312.9 | 0.91 | -6.41 | 0.38 | 312.822 | 0.2909 | 7 | 1.21077 | 123.5949 | 1.74711 | 0 | 1.7471 | 178.05 | 0.2925 | -0.001 | 7 | 0.4248 | 0.8081 | 1.2915 | 237.5812 |
| 29 | 128.8 | 1.06 | -3.38 | 0.52 | 128.759 | 0.8233 | 6 | 1.7908 | 122.5462 | 1.80838 | 0.0312 | 1.7772 | 71.434 | 0.835 | -0.002 | 6 | 0.6647 | 0.7085 | 1.9175 | 85.00101 |

| Depth (ft) | CPT-2 In situ data | | | | Basic output data | | | | | | | | | | | | | | | |
|------------|--------------------|----------|---------|-------|-------------------|--------|-----|---------|-----------------|---------------------|----------|-------------------------------|--------|--------|--------|------|--------|--------|--------|----------|
| | qc (tsf) | fs (tsf) | u (psi) | Other | qt (tsf) | Rf(%) | SBT | Ic SBT | \bar{a} (pcf) | \acute{o},v (tsf) | u0 (tsf) | $\acute{o}',v\acute{o}$ (tsf) | Qt1 | Fr (%) | Bq | SBTn | n | Cn | Ic | Qtn |
| 1 | 152.4 | 2.94 | 0.3 | -0.3 | 152.404 | 1.9291 | 6 | 1.99655 | 130.4218 | 0.06521 | 0 | 0.0652 | 2336.1 | 1.9299 | 0.0001 | 8 | 0.4894 | 3.911 | 1.6686 | 563.081 |
| 2 | 101.2 | 2.48 | 0.18 | -0.15 | 101.202 | 2.4505 | 5 | 2.19268 | 128.1782 | 0.1293 | 0 | 0.1293 | 781.69 | 2.4537 | 0.0001 | 8 | 0.5722 | 3.3292 | 1.8782 | 318.0098 |
| 3 | 84.8 | 2.12 | 0.29 | 0.31 | 84.8036 | 2.4999 | 5 | 2.25175 | 126.5994 | 0.1926 | 0 | 0.1926 | 439.31 | 2.5056 | 0.0003 | 5 | 0.6087 | 2.8207 | 1.9667 | 225.5558 |
| 4 | 47.3 | 2.41 | -0.63 | 0.51 | 47.2923 | 5.096 | 4 | 2.6506 | 126.1132 | 0.25566 | 0 | 0.2557 | 183.98 | 5.1237 | -1E-03 | 9 | 0.7595 | 2.941 | 2.357 | 130.7361 |
| 5 | 23.4 | 1.12 | -2.57 | 0.61 | 23.3685 | 4.7928 | 3 | 2.85161 | 118.7868 | 0.31505 | 0 | 0.3151 | 73.174 | 4.8583 | -0.008 | 4 | 0.8357 | 2.7522 | 2.5491 | 59.96406 |
| 6 | 19 | 0.31 | -0.4 | 0.65 | 18.9951 | 1.632 | 4 | 2.63872 | 108.8827 | 0.36949 | 0 | 0.3695 | 50.409 | 1.6644 | -0.002 | 5 | 0.7674 | 2.2421 | 2.3639 | 39.46755 |
| 7 | 18.2 | 0.23 | -0.47 | 0.67 | 18.1943 | 1.2641 | 4 | 2.59626 | 106.5935 | 0.42279 | 0 | 0.4228 | 42.034 | 1.2942 | -0.002 | 5 | 0.766 | 2.0191 | 2.353 | 33.91196 |
| 8 | 27.8 | 0.54 | -0.62 | 0.64 | 27.7924 | 1.943 | 4 | 2.54567 | 113.8718 | 0.47972 | 0 | 0.4797 | 56.934 | 1.9771 | -0.002 | 5 | 0.7675 | 1.8351 | 2.3492 | 47.36789 |
| 9 | 21.4 | 0.63 | -1.05 | 0.69 | 21.3872 | 2.9457 | 4 | 2.74552 | 114.3608 | 0.5369 | 0 | 0.5369 | 38.834 | 3.0216 | -0.004 | 4 | 0.8535 | 1.7843 | 2.5676 | 35.16052 |
| 10 | 27.5 | 0.63 | -3.09 | 0.73 | 27.4622 | 2.2941 | 4 | 2.59318 | 114.9706 | 0.59439 | 0 | 0.5944 | 45.202 | 2.3448 | -0.008 | 5 | 0.811 | 1.5963 | 2.4487 | 40.53369 |
| 11 | 101.1 | 0.83 | -1.07 | 0.81 | 101.087 | 0.8211 | 6 | 1.87255 | 120.1664 | 0.65447 | 0 | 0.6545 | 153.46 | 0.8264 | -8E-04 | 6 | 0.5608 | 1.3092 | 1.7848 | 124.2674 |
| 12 | 126.4 | 0.9 | -0.52 | 0.82 | 126.394 | 0.7121 | 6 | 1.7579 | 121.3037 | 0.71512 | 0 | 0.7151 | 175.74 | 0.7161 | -3E-04 | 6 | 0.528 | 1.2298 | 1.6911 | 146.0745 |
| 13 | 147.2 | 0.99 | -0.47 | 0.82 | 147.194 | 0.6726 | 6 | 1.69049 | 122.3727 | 0.77631 | 0 | 0.7763 | 188.61 | 0.6762 | -2E-04 | 6 | 0.5116 | 1.1717 | 1.6403 | 162.133 |
| 14 | 172.7 | 1.11 | -0.32 | 0.84 | 172.696 | 0.6428 | 6 | 1.62405 | 123.5995 | 0.83811 | 0 | 0.8381 | 205.05 | 0.6459 | -1E-04 | 6 | 0.4948 | 1.1223 | 1.5886 | 182.2767 |
| 15 | 288.6 | 2.28 | 0.01 | 0.81 | 288.6 | 0.79 | 6 | 1.52275 | 130.1189 | 0.90317 | 0 | 0.9032 | 318.54 | 0.7925 | 0 | 6 | 0.4655 | 1.0765 | 1.5031 | 292.695 |
| 16 | 399.6 | 2.93 | 0.06 | 0.47 | 399.601 | 0.7332 | 6 | 1.40536 | 132.7479 | 0.96954 | 0 | 0.9695 | 411.15 | 0.735 | 1E-05 | 6 | 0.428 | 1.0381 | 1.3966 | 391.0998 |
| 17 | 348.3 | 2.35 | 0.58 | 0.67 | 348.307 | 0.6747 | 6 | 1.41704 | 130.7988 | 1.03494 | 0 | 1.0349 | 335.55 | 0.6767 | 0.0001 | 6 | 0.4384 | 1.0098 | 1.416 | 331.4017 |
| 18 | 331.5 | 1.02 | 0.55 | 0.63 | 331.507 | 0.3077 | 7 | 1.20423 | 124.5713 | 1.09723 | 0 | 1.0972 | 301.13 | 0.3087 | 0.0001 | 7 | 0.3632 | 0.9869 | 1.2109 | 308.1738 |
| 19 | 180.4 | 0.69 | 0.29 | 0.51 | 180.404 | 0.3825 | 6 | 1.47564 | 120.2274 | 1.15734 | 0 | 1.1573 | 154.88 | 0.385 | 0.0001 | 6 | 0.4744 | 0.9584 | 1.495 | 162.3497 |
| 20 | 99.7 | 1.02 | -0.17 | 0.51 | 99.6979 | 1.0231 | 6 | 1.93655 | 121.6409 | 1.21816 | 0 | 1.2182 | 80.843 | 1.0358 | -1E-04 | 6 | 0.6603 | 0.9112 | 1.9754 | 84.80513 |
| 21 | 73.1 | 0.69 | -0.24 | 0.51 | 73.0971 | 0.944 | 6 | 2.0216 | 118.024 | 1.27718 | 0 | 1.2772 | 56.233 | 0.9607 | -2E-04 | 5 | 0.7026 | 0.8762 | 2.0789 | 59.47017 |
| 22 | 197.5 | 1.45 | -0.84 | 0.42 | 197.49 | 0.7342 | 6 | 1.61758 | 125.8819 | 1.34012 | 0 | 1.3401 | 146.37 | 0.7392 | -3E-04 | 6 | 0.5473 | 0.8787 | 1.6638 | 162.8932 |
| 23 | 298.6 | 1.77 | -0.84 | 0.18 | 298.59 | 0.5928 | 6 | 1.42307 | 128.3492 | 1.40429 | 0 | 1.4043 | 211.63 | 0.5956 | -2E-04 | 6 | 0.4759 | 0.874 | 1.4684 | 245.4721 |
| 24 | 303.3 | 1.72 | -0.73 | -0.08 | 303.291 | 0.5671 | 6 | 1.40482 | 128.1777 | 1.46838 | 0 | 1.4684 | 205.55 | 0.5699 | -2E-04 | 6 | 0.4746 | 0.856 | 1.4572 | 244.162 |
| 25 | 288.4 | 1.81 | -0.69 | -0.27 | 288.392 | 0.6276 | 6 | 1.4512 | 128.428 | 1.53259 | 0 | 1.5326 | 187.17 | 0.631 | -2E-04 | 6 | 0.4988 | 0.8313 | 1.5127 | 225.3615 |
| 26 | 295.8 | 2.37 | -0.63 | -0.61 | 295.792 | 0.8012 | 6 | 1.52003 | 130.4622 | 1.59782 | 0 | 1.5978 | 184.12 | 0.8056 | -2E-04 | 6 | 0.5309 | 0.8035 | 1.5889 | 223.3927 |
| 27 | 296.4 | 2.11 | -0.62 | -0.96 | 296.392 | 0.7119 | 6 | 1.48186 | 129.6169 | 1.66263 | 0 | 1.6626 | 177.27 | 0.7159 | -2E-04 | 6 | 0.5222 | 0.7898 | 1.5578 | 219.9938 |
| 28 | 421.5 | 2.45 | -4.54 | -1.26 | 421.444 | 0.5813 | 7 | 1.31363 | 131.5686 | 1.72842 | 0 | 1.7284 | 242.83 | 0.5837 | -8E-04 | 6 | 0.4586 | 0.7985 | 1.3828 | 316.7262 |
| 29 | 446.1 | 1.5 | -8.9 | -1.6 | 445.991 | 0.3363 | 7 | 1.12784 | 128.1168 | 1.79248 | 0.0312 | 1.7613 | 252.2 | 0.3377 | -0.002 | 7 | 0.3892 | 0.8201 | 1.1962 | 344.2945 |
| 30 | 408.5 | 1.6 | -8.83 | -1.67 | 408.392 | 0.3918 | 7 | 1.20064 | 128.3742 | 1.85666 | 0.0624 | 1.7943 | 226.58 | 0.3936 | -0.002 | 7 | 0.4212 | 0.8006 | 1.2762 | 307.5868 |
| 31 | 373.2 | 2.39 | -8.75 | -1.54 | 373.093 | 0.6406 | 6 | 1.38031 | 131.0899 | 1.92221 | 0.0936 | 1.8286 | 202.98 | 0.6439 | -0.002 | 6 | 0.4946 | 0.763 | 1.4647 | 267.632 |
| 32 | 418.6 | 1.66 | -8.85 | -1.71 | 418.492 | 0.3967 | 7 | 1.19652 | 128.7031 | 1.98656 | 0.1248 | 1.8618 | 223.72 | 0.3986 | -0.002 | 7 | 0.4249 | 0.7866 | 1.2775 | 309.6149 |
| 33 | 376.5 | 1.23 | -6.49 | -1.72 | 376.421 | 0.3268 | 7 | 1.17618 | 126.2511 | 2.04968 | 0.156 | 1.8937 | 197.69 | 0.3286 | -0.002 | 7 | 0.4215 | 0.7824 | 1.2645 | 276.8362 |
| 34 | 221.4 | 2.32 | 0.55 | -1.42 | 221.407 | 1.0479 | 6 | 1.69095 | 129.5997 | 2.11448 | 0.1872 | 1.9273 | 113.78 | 1.058 | -7E-04 | 6 | 0.6319 | 0.6846 | 1.8127 | 141.8894 |
| 35 | 373 | 2.23 | 0.81 | -1.25 | 373.01 | 0.5978 | 6 | 1.35822 | 130.5824 | 2.17978 | 0.2184 | 1.9614 | 189.07 | 0.6014 | -4E-04 | 6 | 0.4975 | 0.7356 | 1.4557 | 257.8087 |
| 36 | 436.6 | 2.58 | 1.66 | -1.33 | 436.62 | 0.5909 | 7 | 1.30887 | 132.0332 | 2.24579 | 0.2496 | 1.9962 | 217.6 | 0.594 | -3E-04 | 6 | 0.4786 | 0.738 | 1.4017 | 302.9693 |
| 37 | 233.3 | 1.96 | 1.97 | -1.18 | 233.324 | 0.84 | 6 | 1.60579 | 128.4938 | 2.31004 | 0.2808 | 2.0292 | 113.84 | 0.8484 | -6E-04 | 6 | 0.6078 | 0.6731 | 1.7368 | 146.9658 |
| 38 | 337.2 | 1.22 | 2.7 | -0.99 | 337.233 | 0.3618 | 7 | 1.24108 | 125.9232 | 2.373 | 0.312 | 2.061 | 162.47 | 0.3643 | -4E-04 | 6 | 0.463 | 0.7344 | 1.3524 | 232.4168 |
| 39 | 391.1 | 2.48 | 1.44 | -1.01 | 391.118 | 0.6341 | 6 | 1.36337 | 131.4755 | 2.43874 | 0.3432 | 2.0955 | 185.48 | 0.6381 | -6E-04 | 6 | 0.51 | 0.7057 | 1.4718 | 259.2424 |
| 40 | 358.8 | 1.41 | 1.72 | -1.64 | 358.821 | 0.393 | 7 | 1.24342 | 127.1336 | 2.50231 | 0.3744 | 2.1279 | 167.45 | 0.3957 | -7E-04 | 6 | 0.4685 | 0.7209 | 1.3583 | 242.7557 |
| 41 | 582.3 | 1.97 | 2.02 | -1.92 | 582.325 | 0.3383 | 7 | 1.04567 | 130.7617 | 2.56769 | 0.4056 | 2.1621 | 268.15 | 0.3398 | -5E-04 | 7 | 0.385 | 0.7595 | 1.135 | 416.1358 |
| 42 | 525.8 | 3.1 | 0.19 | -2.37 | 525.802 | 0.5896 | 7 | 1.2569 | 133.83 | 2.6346 | 0.4368 | 2.1978 | 238.04 | 0.5925 | -8E-04 | 6 | 0.4712 | 0.7086 | 1.3572 | 350.3583 |
| 43 | 528.9 | 3.23 | 4.58 | -2.61 | 528.956 | 0.6106 | 7 | 1.26736 | 134.1451 | 2.70167 | 0.468 | 2.2337 | 235.6 | 0.6138 | -3E-04 | 6 | 0.478 | 0.6997 | 1.3704 | 347.9901 |
| 44 | 426.5 | 1.76 | 4.12 | -2.98 | 426.55 | 0.4126 | 7 | 1.20233 | 129.1777 | 2.76626 | 0.4992 | 2.2671 | 186.93 | 0.4153 | -5E-04 | 7 | 0.4606 | 0.704 | 1.3202 | 281.9634 |
| 45 | 399 | 0 | 4.79 | -3.51 | 399.059 | 0 | 0 | 0 | 120.9 | 2.82671 | 0.5304 | 2.2963 | 172.55 | 0 | -5E-04 | 0 | 1 | 0.4608 | 0 | 0 |

2900 Thurgood Marshall Dr
Oxnard, CA

CPT Shear Wave Measurements

| | Tip Depth (ft) | Geophone Depth (ft) | Travel Distance (ft) | S-Wave Arrival (msec) | S-Wave Velocity from Surface (ft/sec) | Interval S-Wave Velocity (ft/sec) |
|--------|----------------------|---------------------------|----------------------------|-----------------------------|--|--|
| CPT-1 | 20.26 | 19.26 | 19.90 | 25.17 | 790.56 | |
| | 29.90 | 28.90 | 29.33 | 37.38 | 784.63 | 772.39 |
| CPT-1B | 50.36 | 49.36 | 49.61 | 62.35 | 795.71 | |

Shear Wave Source Offset = 5 ft

S-Wave Velocity from Surface = Travel Distance/S-Wave Arrival
Interval S-Wave Velocity = (Travel Dist2-Travel Dist1)/(Time2-Time1)

Presented below is a list of formulas used for the estimation of various soil properties. The formulas are presented in SI unit system and assume that all components are expressed in the same units.

:: Unit Weight, g (kN/m³) ::

$$g = g_w \cdot \left(0.27 \cdot \log(R_f) + 0.36 \cdot \log\left(\frac{q_t}{p_a}\right) + 1.236 \right)$$

where g_w = water unit weight

:: Permeability, k (m/s) ::

$$I_c < 3.27 \text{ and } I_c > 1.00 \text{ then } k = 10^{0.952-3.04 \cdot I_c}$$

$$I_c \leq 4.00 \text{ and } I_c > 3.27 \text{ then } k = 10^{-4.52-1.37 \cdot I_c}$$

:: N_{SPT} (blows per 30 cm) ::

$$N_{60} = \left(\frac{q_c}{p_a} \right) \cdot \frac{1}{10^{1.1268-0.2817 \cdot I_c}}$$

$$N_{I(60)} = Q_{tn} \cdot \frac{1}{10^{1.1268-0.2817 \cdot I_c}}$$

:: Young's Modulus, E_s (MPa) ::

$$(q_t - \sigma_v) \cdot 0.015 \cdot 10^{0.55 \cdot I_c + 1.68}$$

(applicable only to $I_c < I_{c_cutoff}$)

:: Relative Density, D_r (%) ::

$$100 \cdot \sqrt{\frac{Q_{tn}}{k_{DR}}} \quad \text{(applicable only to SBT}_n\text{: 5, 6, 7 and 8 or } I_c < I_{c_cutoff}\text{)}$$

:: State Parameter, ψ ::

$$\psi = 0.56 - 0.33 \cdot \log(Q_{tn,CS})$$

:: Peak drained friction angle, ϕ (°) ::

$$\phi = 17.60 + 11 \cdot \log(Q_{tn})$$

(applicable only to SBT_n: 5, 6, 7 and 8)

:: 1-D constrained modulus, M (MPa) ::

If $I_c > 2.20$

$$\alpha = 14 \text{ for } Q_{tn} > 14$$

$$\alpha = Q_{tn} \text{ for } Q_{tn} \leq 14$$

$$M_{CPT} = \alpha \cdot (q_t - \sigma_v)$$

If $I_c \leq 2.20$

$$M_{CPT} = (q_t - \sigma_v) \cdot 0.0188 \cdot 10^{0.55 \cdot I_c + 1.68}$$

:: Small strain shear Modulus, G_0 (MPa) ::

$$G_0 = (q_t - \sigma_v) \cdot 0.0188 \cdot 10^{0.55 \cdot I_c + 1.68}$$

:: Shear Wave Velocity, V_s (m/s) ::

$$V_s = \left(\frac{G_0}{\rho} \right)^{0.50}$$

:: Undrained peak shear strength, S_u (kPa) ::

$$N_{kt} = 10.50 + 7 \cdot \log(F_r) \text{ or user defined}$$

$$S_u = \frac{(q_t - \sigma_v)}{N_{kt}}$$

(applicable only to SBT_n: 1, 2, 3, 4 and 9 or $I_c > I_{c_cutoff}$)

:: Remolded undrained shear strength, $S_{u(rem)}$ (kPa) ::

$$S_{u(rem)} = f_s \quad \text{(applicable only to SBT}_n\text{: 1, 2, 3, 4 and 9 or } I_c > I_{c_cutoff}\text{)}$$

:: Overconsolidation Ratio, OCR ::

$$k_{OCR} = \left[\frac{Q_{tn}^{0.20}}{0.25 \cdot (10.50 + 7 \cdot \log(F_r))} \right]^{1.25} \text{ or user defined}$$

$$OCR = k_{OCR} \cdot Q_{tn}$$

(applicable only to SBT_n: 1, 2, 3, 4 and 9 or $I_c > I_{c_cutoff}$)

:: In situ Stress Ratio, K_0 ::

$$K_0 = (1 - \sin \phi') \cdot OCR^{\sin \phi'}$$

(applicable only to SBT_n: 1, 2, 3, 4 and 9 or $I_c > I_{c_cutoff}$)

:: Soil Sensitivity, S_t ::

$$S_t = \frac{N_s}{F_r}$$

(applicable only to SBT_n: 1, 2, 3, 4 and 9 or $I_c > I_{c_cutoff}$)

:: Effective Stress Friction Angle, ϕ' (°) ::

$$\phi' = 29.5^\circ \cdot B_q^{0.121} \cdot (0.256 + 0.336 \cdot B_q + \log Q_t)$$

(applicable for $0.10 < B_q < 1.00$)

References

- Robertson, P.K., Cabal K.L., Guide to Cone Penetration Testing for Geotechnical Engineering, Gregg Drilling & Testing, Inc., 5th Edition, November 2012
- Robertson, P.K., Interpretation of Cone Penetration Tests - a unified approach., Can. Geotech. J. 46(11): 1337–1355 (2009)

APPENDIX C

LABORATORY METHODS AND RESULTS

LABORATORY TEST METHODS

Laboratory Testing Program

Laboratory tests were performed on representative soil samples to detect their relative engineering properties. The following presents a brief description of the various test methods used.

Classification

Soils were classified visually according to the Unified Soil Classification System. Visual classifications were supplemented by laboratory testing of selected samples according to ASTM D2487. The soil classifications are shown on the Exploration Logs in Appendix B.

Moisture and Density Tests

Moisture content and unit dry density tests were performed on samples of undisturbed soil obtained in the borings. Dry density and field moisture information is useful in correlating field and laboratory data, and in providing a gross picture of the variations of soil characteristics. The results of the tests are presented on the boring logs in Appendix B.

Particle-Size Analysis (#200 Wash)

Particle-size analyses were performed on selected representative samples according to ASTM D 422. The percentage of "fines" (percent passing the No. 200 sieve) of various samples were obtained. The results of these tests are presented in this appendix.

Direct Shear

Direct shear tests were performed on either samples direct from the field or on samples recompacted to a specific density. Direct shear testing was performed in accordance with ASTM D 3080. The samples were inundated during shearing to represent adverse field conditions. The method of performing these tests is to contain the sample in testing rings, to apply a normal load, and to then allow sufficient time to elapse to dissipate any excess hydrostatic pressure which may have developed in applying the normal pressure.

The sample is then subjected to strain-controlled, double-plane shear tests. The method of applying the normal and shearing load is such as to allow the sample to change in volume during shear without producing an associated change in the normal stress. The shearing stress is measured at a constant rate of strain of approximately 0.02 inch per minute.

Selected samples of the soil were tested at confining pressures similar to those of the materials in-situ. Additional specimens, from the same sample, were also tested at increased normal pressures in order to determine the increase in shear strengths associated with increased intergranular pressures. Specimens were soaked for testing.

Expansion Index Tests

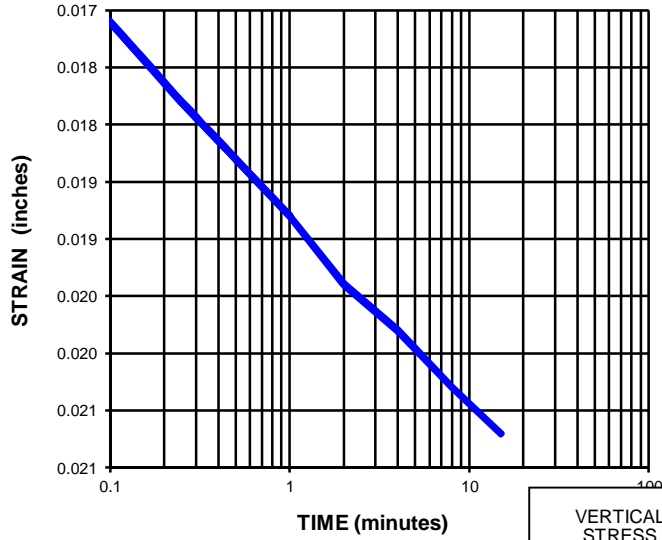
Expansion Index tests provided an index to the expansion potential of soils when inundated with water. This test method controls variables that influence the expansive characteristics of soils. The tests were performed in accordance with the ASTM D 4829 method. The results are presented in the following table.

| Sample ID | Soil Description | Expansion Index Expansion Potential |
|----------------|---------------------------|--|
| B-1 @ 2' to 3' | Clayey sandy silt (ML) | 17 Very Low |

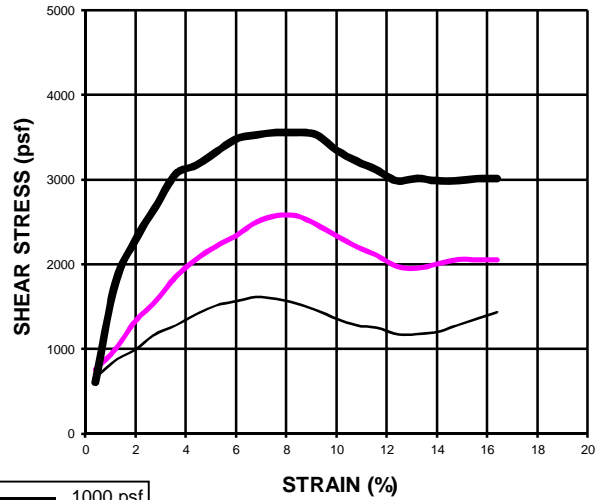
Chemical Analysis

Soil materials were collected with sterile sampling equipment and sent to HDR & Schiff laboratory for the corrosion testing. Test results are presented in this Appendix.

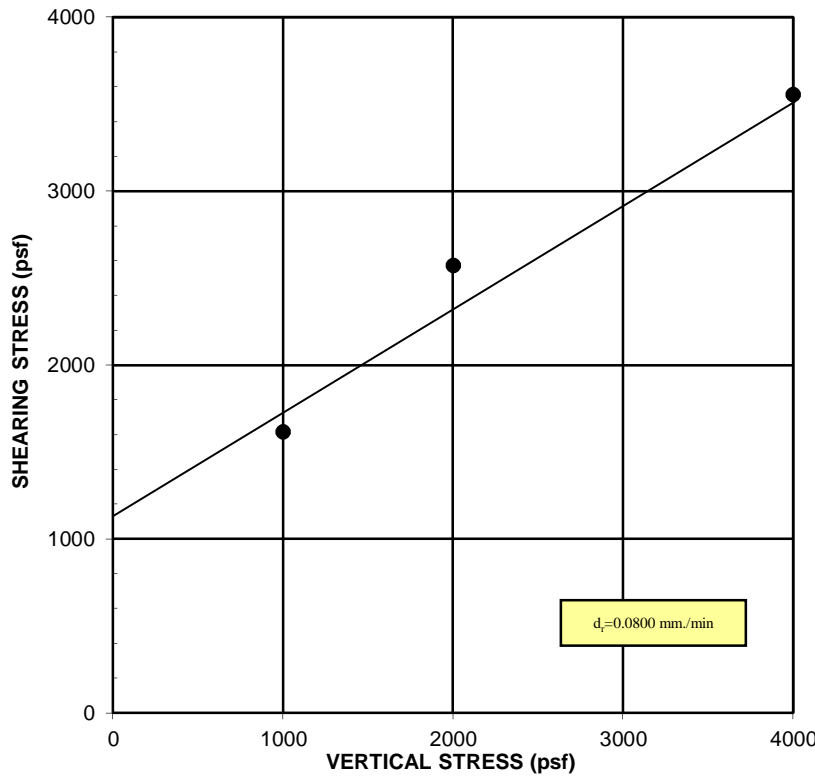
PRECONSOLIDATION



SHEARING DATA



FAILURE ENVELOPE



SHEAR STRENGTH TEST - ASTM D3080

| | |
|---|---|
| Job Name: <u>Marshall Elementary School</u> | Initial Dry Density (pcf): <u>113.9</u> |
| Project Number: <u>30-1301G</u> | Sample Date: <u>9/26/2015</u> |
| Lab Number: <u>25719</u> | Test Date: <u>10/13/2015</u> |
| Sample Location: <u>B-2 @ 6.0' - 7.5'</u> | Tested by: <u>RJP</u> |
| Sample Description: <u>Dark Brown Clay</u> | Initial Moisture (%): <u>14.4</u> |
| | Final Moisture (%): <u>22.5</u> |
| | Cohesion: <u>1120 psf</u> |
| | Angle Of Friction: <u>32.0</u> |



TRANSMITTAL LETTER

DATE: October 29, 2015

ATTENTION: Dharmesh Amin

TO: CTE South, Inc.
14538 Meridian Pkwy, Ste. A
Riverside, CA 92518

SUBJECT: Laboratory Test Data
30-1301G
Your #30-1301G, HDR Lab #15-0836LAB

COMMENTS: Enclosed are the results for the subject project.

A handwritten signature in black ink, appearing to read 'James T. Keegan', written over a horizontal line.

James T. Keegan
Laboratory Services Manager



Table 1 - Laboratory Tests on Soil Samples

CTE South, Inc.

30-1301G

Your #30-1301G, HDR Lab #15-0836LAB

23-Oct-15

Sample ID

B-2 @ 0-5'
SM

| Resistivity | Units | |
|--------------------------|--------------------------------------|---------|
| as-received | ohm-cm | 100,000 |
| minimum | ohm-cm | 884 |
| pH | | 7.6 |
| Electrical | | |
| Conductivity | mS/cm | 0.51 |
| Chemical Analyses | | |
| Cations | | |
| calcium | Ca ²⁺ mg/kg | 246 |
| magnesium | Mg ²⁺ mg/kg | 41 |
| sodium | Na ¹⁺ mg/kg | 196 |
| potassium | K ¹⁺ mg/kg | 26 |
| Anions | | |
| carbonate | CO ₃ ²⁻ mg/kg | ND |
| bicarbonate | HCO ₃ ¹⁻ mg/kg | 186 |
| fluoride | F ¹⁻ mg/kg | ND |
| chloride | Cl ¹⁻ mg/kg | 129 |
| sulfate | SO ₄ ²⁻ mg/kg | 827 |
| phosphate | PO ₄ ³⁻ mg/kg | ND |
| Other Tests | | |
| ammonium | NH ₄ ¹⁺ mg/kg | 0.2 |
| nitrate | NO ₃ ¹⁻ mg/kg | 38 |
| sulfide | S ²⁻ qual | na |
| Redox | mV | na |

Minimum resistivity per CTM 643, Chlorides per CTM 422, Sulfates per CTM 417

Electrical conductivity in millisiemens/cm and chemical analysis were made on a 1:5 soil-to-water extract.
mg/kg = milligrams per kilogram (parts per million) of dry soil.

Redox = oxidation-reduction potential in millivolts

ND = not detected

na = not analyzed

APPENDIX D

STANDARD SPECIFICATIONS FOR GRADING

RECOMMENDED EARTHWORK SPECIFICATIONS

The following specifications are recommended to provide a basis for quality control during the placement of compacted fill or backfill as applicable.

1. Areas that are to receive compacted fill shall be observed by Soil/Geotechnical Engineer (GE) or his/her representative prior to the placement of fill.
2. All drainage devices shall be properly installed and observed by GE and/or owner's representative(s) prior to placement of backfill.
3. Fill soils shall consist of imported soils or on-site soils free of organics, cobbles, and deleterious material provided each material is approved by GE. GE shall evaluate and/or test the import material for its conformance with the report recommendations prior to its delivery to the site. The contractor shall notify GE 72 hours prior to importing material to the site
4. Fill shall be placed in controlled layers (lifts), the thickness of which is compatible with the type of compaction equipment used. The fill materials shall be brought to optimum moisture content or above, thoroughly mixed during spreading to obtain a near uniform moisture condition and uniform blend of materials, and then placed in layers with a thickness (loose) not exceeding 8 inches. Each layer shall be compacted to a minimum compaction of 90% relative to the maximum dry density determined per the latest ASTM D1557 test. Density testing shall be performed by GE to verify relative compaction. The contractor shall provide proper access and level areas for testing.
5. Rocks or rock fragments less than eight (8) inches in the largest dimension may be utilized in the fill, provided they are not placed in concentrated pockets, except rocks larger than four (4) inches shall not be placed within three (3) feet of finish grade.
6. Rocks greater than eight (8) inches in largest dimension shall be taken offsite, or placed in accordance with the recommendation of the Soils Engineer in areas designated as suitable for rock disposal.
7. Where space limitations do not allow for conventional fill compaction operations, special backfill materials and procedures may be required. Pea gravel or other select fill can be used in areas of limited space. A sand and Portland cement slurry (2 sacks per cubic-yard mix) shall be used in limited space areas for shallow backfill near final pad grade, and pea gravel shall be placed in deeper backfill near drainage systems.

8. GE shall observe the placement of fill and conduct in-place field density tests on the compacted fill to check for adequate moisture content and the required relative compaction. Where less than specified relative compaction is indicated, additional compacting effort shall be applied and the soil moisture conditioned as necessary until adequate relative compaction is attained.
9. The Contractor shall comply with the minimum relative compaction out to the finish slope face of fill slopes, buttresses, and stabilization fills as set forth in the specifications for compacted fill. This may be achieved by either overbuilding the slope and cutting back as necessary, or by direct compaction of the slope face with suitable equipment, or by any other procedure that produces the required result.
10. Any abandoned underground structures such as cesspools, cisterns, mining shafts, tunnels, septic tanks, wells, pipelines or others not discovered prior to grading are to be removed or treated to the satisfaction of the Soils Engineer and/or the controlling agency for the project.
11. The Contractor shall have suitable and sufficient equipment during a particular operation to handle the volume of fill being placed. When necessary, fill placement equipment shall be shut down temporarily in order to permit proper compaction of fills, correction of deficient areas, or to facilitate required field-testing.
12. The Contractor shall be responsible for the satisfactory completion of all earthwork in accordance with the project plans and specifications.
13. Final reports shall be submitted after completion of earthwork and after the Soils Engineer and Engineering Geologist have finished their observations of the work. No additional excavation or filling shall be performed without prior notification to the Soils Engineer and/or Engineering Geologist.
14. Whenever the words "supervision", "inspection" or "control" are used, they shall mean observation of the work and/or testing of the compacted fill by GE to assess whether substantial compliance with plans, specifications and design concepts has been achieved, and does not include direction of the actual work of the contractor or the contractor's workmen.

RECOMMENDED SPECIFICATIONS
FOR PLACEMENT OF TRENCH BACKFILL

1. Trench excavations to receive backfill shall be free of trash, debris or other unsatisfactory materials prior to backfill placement, and shall be observed by project soil/geotechnical engineer (GE) representative.
2. Except as stipulated herein, soils obtained from the excavation may be used as backfill if they are essentially free of organics and deleterious materials.
3. Rocks generated from the trench excavation not exceeding three (3) inches in largest dimension may be used as backfill material. However, such material may not be placed within 12 inches of the top of the pipeline. No more than 30 percent of the backfill volume shall contain particles larger than 1-½ inches in diameter, and rocks shall be well mixed with finer soil.
4. Soils (other than aggregates) with a Sand Equivalent (SE) greater than or equal to 30, as determined by ASTM D 2419 Standard Test Method or at the discretion of the engineer or representative in the field, may be used for bedding and shading material in the pipe zone areas.
5. No jetting will be permitted. Trench backfill other than bedding and shading shall be compacted by mechanical methods as tamping sheepsfoot, vibrating or pneumatic rollers or other mechanical tampers to achieve the density specified herein. The backfill materials shall be brought to optimum moisture content or above, thoroughly mixed during spreading to obtain a near uniform moisture condition and uniform blend of materials, and then placed in horizontal layers with a thickness (loose) not exceeding 8 inches. Trench backfills shall be compacted to a minimum compaction of 90 percent relative to the maximum dry density determined per the latest ASTM D1557 test.
6. The contractor shall select the equipment and process to be used to achieve the specified density without damage to the pipeline, the adjacent ground, existing improvements or completed work.
7. Observations and field tests shall be carried on during construction by GE to confirm that the required degree of compaction has been obtained. Where compaction is less than that specified, additional compaction effort shall be made with adjustment of the moisture content as necessary until the specified compaction is obtained. Field density tests may be omitted at the discretion of the engineer or his representative in the field.

8. Whenever, in the opinion of GE or the Owner's Representative(s), an unstable condition is being created, either by cutting or filling, the work shall not proceed until an investigation has been made and the excavation plan revised, if deemed necessary.
9. Fill material shall not be placed, spread, or rolled during unfavorable weather conditions. When the work is interrupted by heavy rain, fill operations shall not be resumed until field tests by GE indicate the moisture content and density of the fill are as specified.
10. Whenever the words "supervision", "inspection", or "control" are used, they shall mean observation of the work and/or testing of the compacted fill by GE to assess whether substantial compliance with plans, specifications and design concepts has been achieved.

APPENDIX E

GROUND MOTION ANALYSIS

SITE-SPECIFIC SEISMIC GROUND MOTION STUDY
NEW CLASSROOM BUILDING AT MARSHALL ELEMENTARY SCHOOL
OXNARD, CALIFORNIA

CTE South has conducted a site-specific ground motion analysis for the proposed New Classroom Building at Marshall Elementary School in Oxnard, CA. The analysis was performed in accordance with Chapter 21 of ASCE/SEI 7-10, Section 1613 of the 2013 California Building Code (CBC), and the 2008 USGS Ground Acceleration Maps.

The software package EZ-FRISK (version 7.65) was used to facilitate the seismic response analysis. This software enabled the use of all seismic sources within 200 kilometers of the site, as cataloged by the United States Geological Survey (USGS) 2008 National Seismic Hazard Map source model. Each seismic source is characterized by its location, fault mechanism, geometry, probability of activity, magnitude recurrence distribution, and deterministic magnitude. The maximum rotated component of ground motion was used in the site-specific probabilistic and deterministic analyses that incorporate the selected Next Generation Attenuation (NGA) relationships.

Equally weighted NGA relationships by Abrahamson and Silva (2008), Atkinson and Boore (2008), Campbell and Bozorgnia (2008), and Chiou and Youngs (2008) were used for the analysis. The resulting site specific spectral accelerations calculated from these NGA relationships were averaged for both the probabilistic and deterministic analyses. As required, the 84th-percentile spectral acceleration values were averaged to conservatively calculate the deterministic spectral accelerations (in lieu of 150 percent of the median spectral accelerations). Deterministic maximum considered earthquake (MCE) lower limit spectral response acceleration values have been determined from ASCE 7 Figure 21.2-1. The probabilistic analysis data represent a two-percent probability of exceedance in fifty years.

Each of the NGA relationships used for the response analysis account for site-specific soil affects using V_{s30} , the shear wave velocity averaged over the upper 30 meters. The site shear wave velocity value was obtained from regional and site resistance data. For the Campbell and Bozorgnia NGA, the depth to rock having a shear wave velocity of at least 2.5 kilometers per second ($Z_{2.5}$) was estimated. Using regional geologic map relationships, $Z_{2.5}$ appears to be on the order of 2.0 kilometers. The Abrahamson and Silva, and Chiou and Youngs NGA relationships require a similar parameter, $Z_{1.0}$, which is anticipated to be on the order of 475 meters. Based on soil conditions beneath the site area, and average shear wave velocity of 242.9 meters per second, Site Class D is considered to be appropriate for evaluation.

The site specific MCE spectral response acceleration at any period is taken as the lesser of the spectral response accelerations from the probabilistic MCE and the deterministic MCE. The design spectral response acceleration at any period is calculated as 2/3 of the corresponding ordinate from the site-specific MCE, which should not be less than 80 percent of the spectral response acceleration from the design response spectrum determined in accordance with ASCE 7 Section 11.4.5.

The probabilistic MCE, risk coefficient, and adjusted probabilistic spectral acceleration ordinates are shown on Figure E1. The site specific risk-based probabilistic MCE_R representing 1% probability of collapse in 50 years was calculated using ASCE 7-10 Section 21.2.1.1 Method 1: (C_R) (S_a 2% PE in 50 years). The deterministic MCE, and the deterministic lower limit on MCE response spectra are shown on Figure E2. The site-specific MCE response spectrum, 2/3 of site-specific MCE response spectrum and 80 percent of NEHRP/ASCE design response spectrum are shown on Figure E3. The site-specific design response spectrum is presented on Figure E4 and a summary of spectral acceleration data is shown on Figure E5.

In Accordance with section 21.4 of ASCE/SEI 7-10, the resulting site specific acceleration parameters are shown below. ASCE Section 21.4 requires that the parameter S_{DS} not be taken less than 90 percent of the peak spectral acceleration, S_a , at any period larger than 0.2s. In this case the value at 0.2s (1.357g) exceeded the 90 percent values at larger periods. In addition, Section 21.4 requires that S_{D1} be taken as the greater of the design spectral acceleration, S_a , at a period of 1 second (0.765g), or two times the spectral acceleration, S_a , at a period of 2 seconds (0.764g). In this case, the value at one second was higher than two times the spectral acceleration, S_a , at a period of 2 seconds.

Site-specific parameters are provided below.

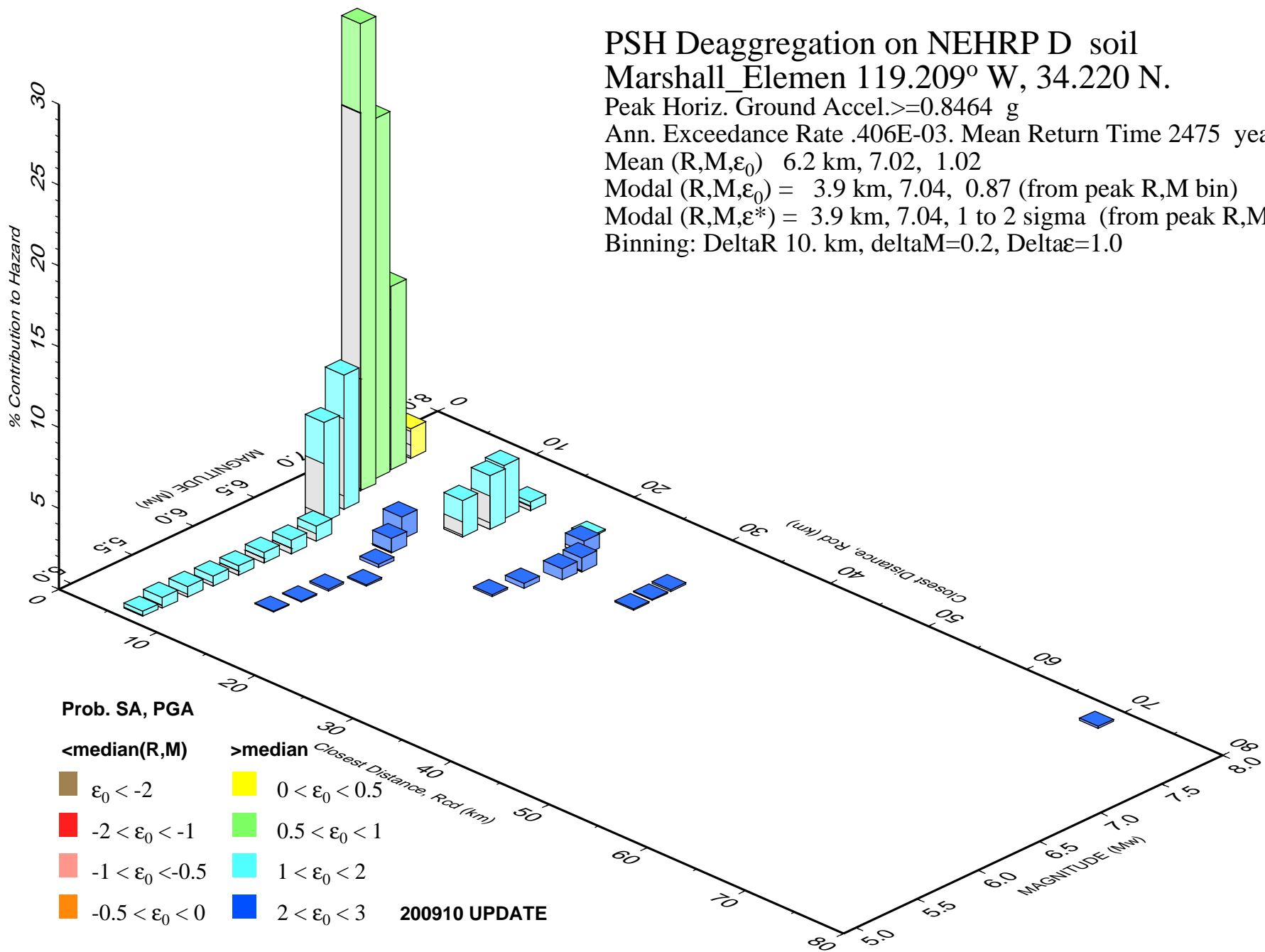
| <u>Site-Specific Ground Motion Values</u> | <u>Code-Based Seismic Values (ASCE 7-10)</u> |
|---|--|
| $S_{DS} = 1.357g$ | $S_{DS} = 1.696g$ |
| $S_{D1} = 0.765g$ | $S_{D1} = 0.956g$ |
| $S_{MS} = 2.035g$ | $S_{MS} = 2.544g$ |
| $S_{M1} = 1.147g$ | $S_{M1} = 1.435g$ |

Attachments:

- Figure E1 Probabilistic MCE Response Spectra
- Figure E2 Deterministic MCE and Lower Limit Spectra
- Figure E3 Site-Specific MCE Response Spectra
- Figure E4 Design Response Spectrum
- Figure E5 Table of Spectral Acceleration Values"

PSH Deaggregation on NEHRP D soil
 Marshall_Elemen 119.209° W, 34.220 N.

Peak Horiz. Ground Accel. ≥ 0.8464 g
 Ann. Exceedance Rate .406E-03. Mean Return Time 2475 years
 Mean (R,M, ϵ_0) 6.2 km, 7.02, 1.02
 Modal (R,M, ϵ_0) = 3.9 km, 7.04, 0.87 (from peak R,M bin)
 Modal (R,M, ϵ^*) = 3.9 km, 7.04, 1 to 2 sigma (from peak R,M, ϵ bin)
 Binning: DeltaR 10. km, deltaM=0.2, Delta ϵ =1.0



Prob. SA, PGA

<median(R,M)

>median

$\epsilon_0 < -2$

$0 < \epsilon_0 < 0.5$

$-2 < \epsilon_0 < -1$

$0.5 < \epsilon_0 < 1$

$-1 < \epsilon_0 < -0.5$

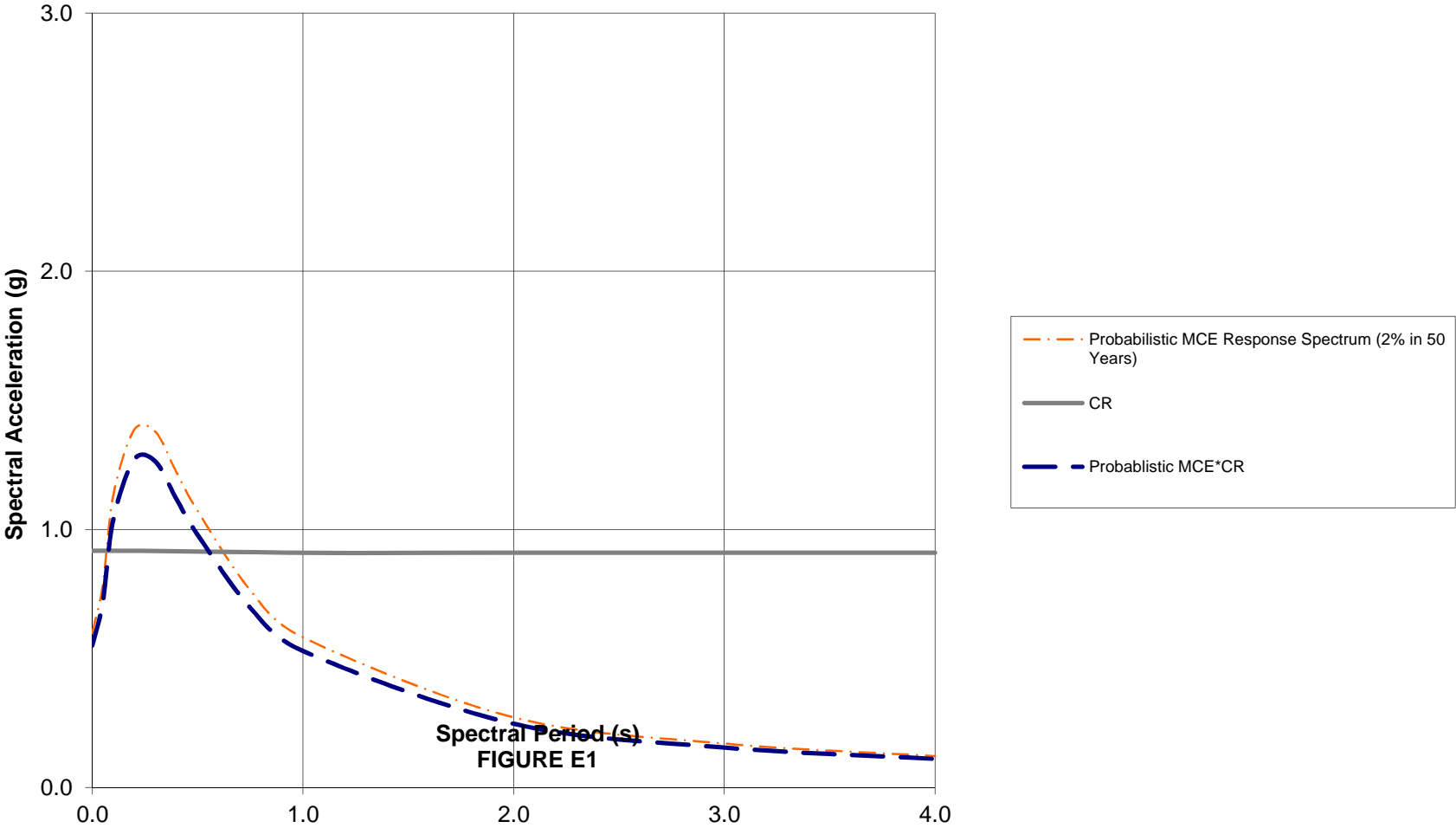
$1 < \epsilon_0 < 2$

$-0.5 < \epsilon_0 < 0$

$2 < \epsilon_0 < 3$

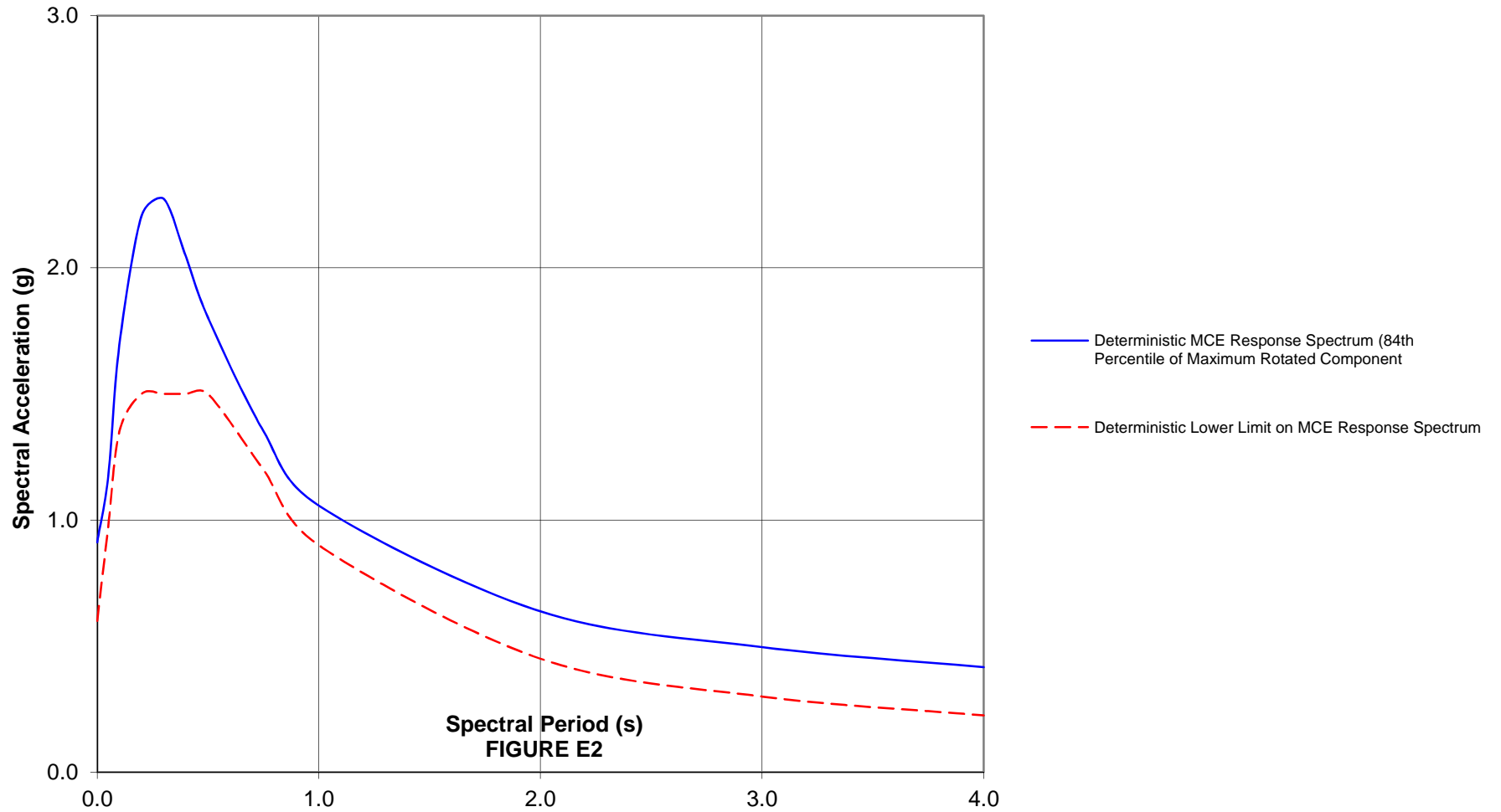
200910 UPDATE

New Classroom at Marshall Elementary School

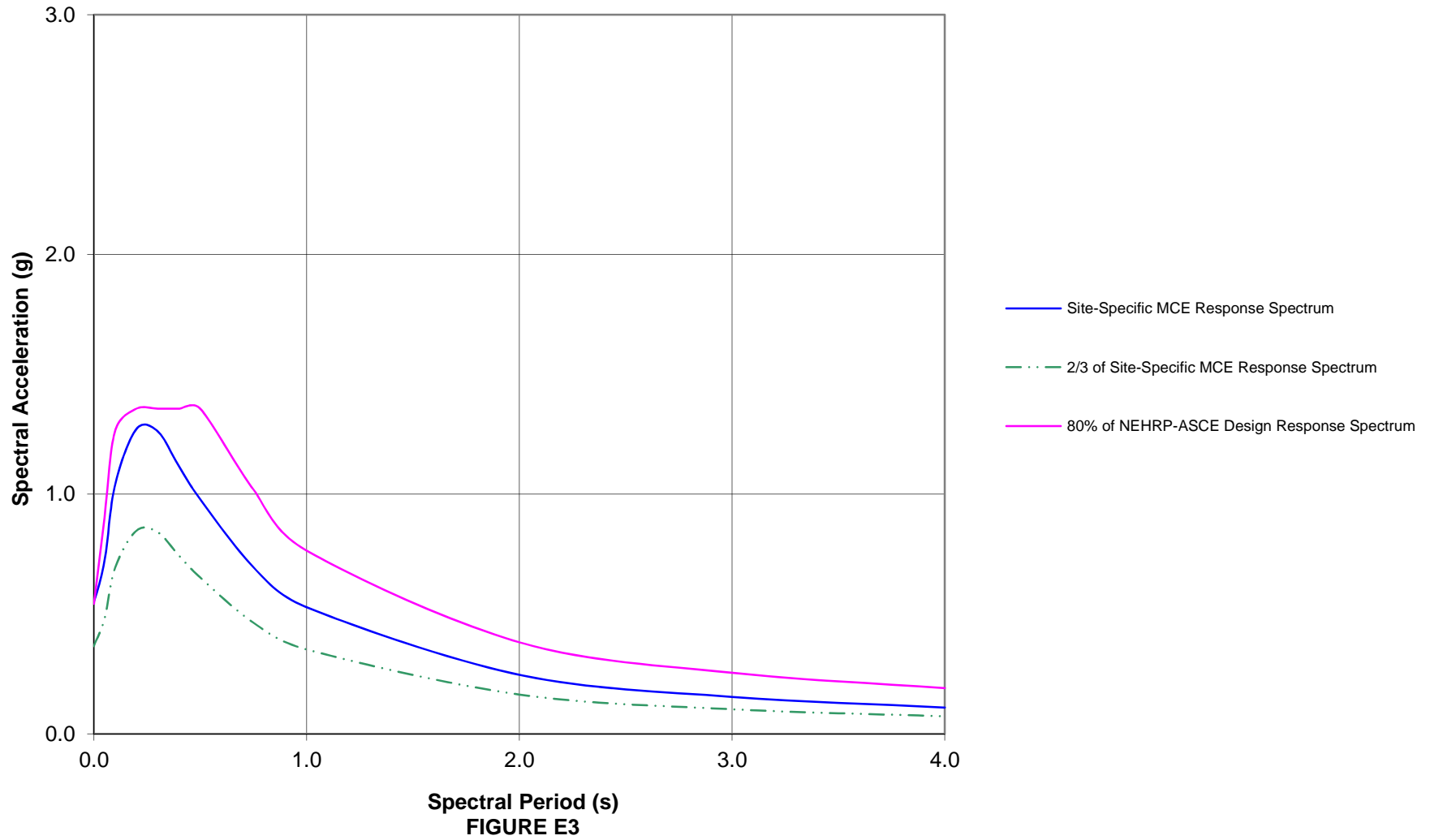


Spectral Period (s)
FIGURE E1

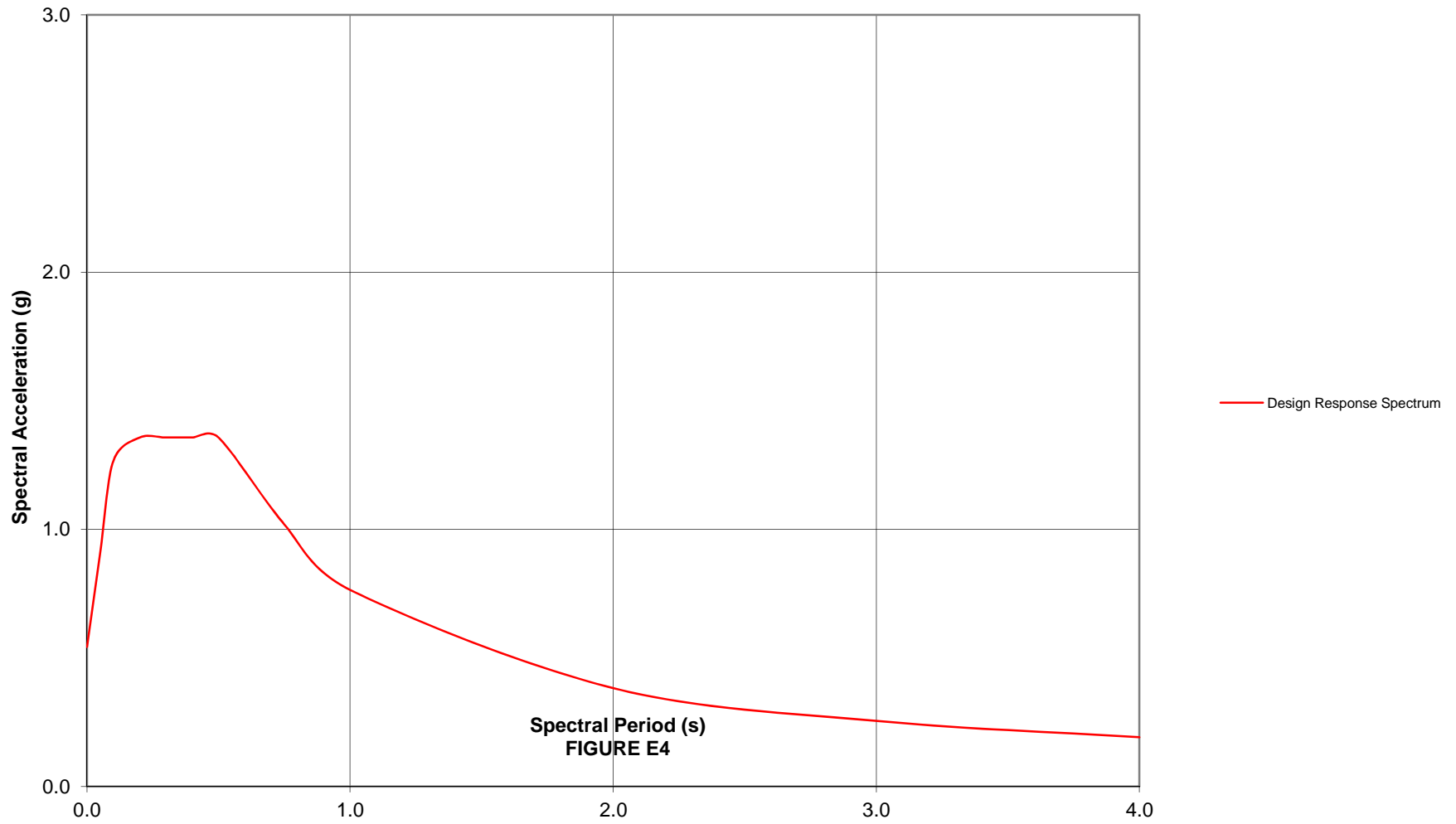
New Classroom at Marshall Elementary School



New Classroom at Marshall Elementary School



New Classroom at Marshall Elementary School



Spectral Period (s)
FIGURE E4

New Classroom at Marshall Elementary School

| Spectral Period (sec) | Spectral Acceleration (g) | | | | | | | | | | 0.9*DRS |
|-----------------------|--|----------------|----------------------------------|--|--|-------------------------------------|--|-------------------------------------|--|--------------------------|---------|
| | Probabilistic MCE Response Spectrum (2% in 50 Years) | C _R | Probabilistic MCE*C _R | Deterministic MCE Response Spectrum (84th Percentile of Maximum Rotated Component) | Deterministic Lower Limit on MCE Response Spectrum | Site-Specific MCE Response Spectrum | 2/3 of Site-Specific MCE Response Spectrum | NEHRP-ASCE Design Response Spectrum | 80% of NEHRP-ASCE Design Response Spectrum | Design Response Spectrum | |
| 0.000 | 0.599 | 0.917 | 0.550 | 0.911 | 0.600 | 0.550 | 0.366 | 0.678 | 0.543 | 0.543 | |
| 0.050 | 0.784 | 0.917 | 0.719 | 1.175 | 0.975 | 0.719 | 0.479 | 1.130 | 0.904 | 0.904 | |
| 0.100 | 1.134 | 0.917 | 1.040 | 1.694 | 1.350 | 1.040 | 0.693 | 1.581 | 1.265 | 1.265 | |
| 0.200 | 1.387 | 0.917 | 1.272 | 2.206 | 1.500 | 1.272 | 0.848 | 1.696 | 1.357 | 1.357 | |
| 0.300 | 1.378 | 0.916 | 1.262 | 2.274 | 1.500 | 1.262 | 0.841 | 1.696 | 1.357 | 1.357 | 1.221 |
| 0.400 | 1.220 | 0.915 | 1.116 | 2.045 | 1.500 | 1.116 | 0.744 | 1.696 | 1.357 | 1.357 | 1.221 |
| 0.500 | 1.071 | 0.914 | 0.979 | 1.803 | 1.500 | 0.979 | 0.653 | 1.696 | 1.357 | 1.357 | 1.221 |
| 0.750 | 0.764 | 0.912 | 0.696 | 1.353 | 1.200 | 0.696 | 0.464 | 1.275 | 1.020 | 1.020 | 0.918 |
| 1.000 | 0.582 | 0.909 | 0.529 | 1.057 | 0.900 | 0.529 | 0.352 | 0.956 | 0.765 | 0.765 | 0.688 |
| 2.000 | 0.271 | 0.909 | 0.247 | 0.638 | 0.450 | 0.247 | 0.164 | 0.478 | 0.382 | 0.382 | 0.344 |
| 3.000 | 0.170 | 0.909 | 0.155 | 0.496 | 0.300 | 0.155 | 0.103 | 0.319 | 0.255 | 0.255 | 0.229 |
| 4.000 | 0.122 | 0.909 | 0.110 | 0.416 | 0.225 | 0.110 | 0.074 | 0.239 | 0.191 | 0.191 | 0.172 |

Figure E5

***** EZ-FRISK *****
***** SEISMIC HAZARD ANALYSIS DEFINITION *****
***** FUGRO CONSULTANTS, INC. *****
***** WALNUT CREEK, CA USA *****

PROGRAM VERSION
EZ-FRISK 7.65 Build 004

ANALYSIS TITLE:
Thurgood Marshall Elementary School

ANALYSIS TYPE:
Single Site Analysis

SITE COORDINATES
Latitude 34.2204
Longitude -119.209

INTENSITY TYPE: Spectral Response @ 5% Damping

HAZARD DEAGGREGATION
Status: OFF

SOIL AMPLIFICATION
Method: Do not use soil amplification

ATTENUATION EQUATION SITE PARAMETERS
Depth[V_s=1000m/s] (m): 475
Estimate Z1 from Vs30 for AS NGA: 0
Estimate Z1 from Vs30 for CY NGA: 0
Vs30 (m/s): 242.88
Vs30 Is Measured: 1
Z25 (km): 2

AMPLITUDES - Acceleration (g)
0.0001
0.001
0.01
0.02
0.05
0.07
0.1
0.2
0.3
0.4
0.5
0.7
1
2
3

PERIODS (s)
PGA
0.05
0.1

0.2
0.3
0.4
0.5
0.75
1
2
3
4

DETERMINISTIC FRACTILES

0.5
0.84

PLOTTING PARAMETERS

Period at which to plot PGA: 0.005

CALCULATIONAL PARAMETERS

Fault Seismic Sources -

Maximum inclusion distance : 200 km
Down dip integration increment : 1 km
Horizontal integration increment : 1 km
Number rupture length per earthquake : 1

Subduction Interface Seismic Sources -

Maximum inclusion distance : 200 km
Down dip integration increment : 5 km
Horizontal integration increment : 5 km
Number rupture length per earthquake : 1

Subduction Slab Seismic Sources -

Maximum inclusion distance : 200 km
Down dip integration increment : 5 km
Horizontal integration increment : 20 km
Number rupture length per earthquake : 1

Area Seismic Sources -

Maximum inclusion distance : 200 km
Vertical integration increment : 3 km
Number of rupture azimuths : 3
Minimum epicentral distance step : 0.5 km
Maximum epicentral distance step : 10 km

Gridded Seismic Sources -

Maximum inclusion distance : 200 km
Default number of rupture azimuths : 10
Maximum distance for default azimuths : 20 km
Minimum distance for one azimuth : 70
Use binned calculations if possible : true
Bins per decade in distance (km) : 20

All Seismic Sources -

Magnitude integration step : 0.1 M
Apply magnitude scaling : NO
Include near-source directivity : YES
Method : Huang, Whittaker, and Luco (2008)
Component : Maximum
Hypocenter integration increment : 5 km

ATTENUATION EQUATIONS

Name: Abrahamson-Silva (2008) NGA

Database: C:\Program Files (x86)\EZ-FRISK 7.65\Files\standard.bin-attendb
 Base: Abrahamson-Silva 2008 NGA
 Truncation Type: No Truncation
 Truncation Value: 0
 Magnitude Scale: Moment Magnitude
 Distance Type: Distance To Rupture

Name: Boore-Atkinson (2008) NGA
 Database: C:\Program Files (x86)\EZ-FRISK 7.65\Files\standard.bin-attendb
 Base: Boore-Atkinson 2007 NGA
 Truncation Type: No Truncation
 Truncation Value: 0
 Magnitude Scale: Moment Magnitude
 Distance Type: Horizontal Distance To Rupture

Name: Campbell-Bozorgnia (2008) NGA
 Database: C:\Program Files (x86)\EZ-FRISK 7.65\Files\standard.bin-attendb
 Base: Campbell-Bozorgnia 2008 NGA
 Truncation Type: No Truncation
 Truncation Value: 0
 Magnitude Scale: Moment Magnitude
 Distance Type: Distance To Rupture

Name: Chiou-Youngs (2008) NGA
 Database: C:\Program Files (x86)\EZ-FRISK 7.65\Files\standard.bin-attendb
 Base: Chiou-Youngs 2008 NGA
 Truncation Type: No Truncation
 Truncation Value: 0
 Magnitude Scale: Moment Magnitude
 Distance Type: Distance To Rupture

SEISMIC SOURCE SUMMARY TABLE

| Deterministic Fault Source | Dip Dips | Site Region | Closest Distance |
|--|---------------|----------------------|------------------|
| Magnitude Mechanism | Angle To | Lies | |
| Imp Extensional Gridded, Char, Normal | | USGS 2008 California | 146.42 |
| 7.0000 Normal | 90.0000 -- W | | |
| Imp Extensional Gridded, Char, Strike Slip | | USGS 2008 California | 146.42 |
| 7.0000 Strike Slip | 90.0000 -- W | | |
| Imp Extensional Gridded, GR, Normal | | USGS 2008 California | 146.42 |
| 7.0000 Normal | 90.0000 -- W | | |
| Imp Extensional Gridded, GR, Strike Slip | | USGS 2008 California | 146.42 |
| 7.0000 Strike Slip | 90.0000 -- W | | |
| Mojave Shear Gridded | | USGS 2008 California | 161.71 |
| 7.6000 Strike Slip | 90.0000 -- SW | | |
| San Andreas Creeping Section Gridded | | USGS 2008 California | 197.36 |
| 6.0000 Strike Slip | 90.0000 -- SE | | |
| San Gorgornio Shear Gridded | | USGS 2008 California | 194.40 |
| 7.6000 Strike Slip | 90.0000 -- W | | |
| Casmalia (Orcutt Frontal) | | USGS 2008 California | 125.54 |
| 6.7000 Reverse | 75.0000 SW SE | | |
| Channel Islands Thrust | | USGS 2008 California | 15.79 |
| 7.3000 Reverse | 20.0000 N NE | | |
| Clamshell-Sawpit | | USGS 2008 California | 105.62 |
| 6.7000 Reverse | 50.0000 NW W | | |

| | | | | |
|---------------------------------------|------------|-------|----------------------|--------|
| Cleghorn | | | USGS 2008 California | 160.55 |
| 6.8000 Strike Slip | 90.0000 -- | W | USGS 2008 California | 158.68 |
| Coronado Bank | | | USGS 2008 California | 158.68 |
| 7.4000 Strike Slip | 90.0000 -- | NW | USGS 2008 California | 133.29 |
| Cucamonga | | | USGS 2008 California | 133.29 |
| 6.7000 Reverse | 45.0000 N | W | USGS 2008 California | 84.79 |
| Elysian Park (Upper) | | | USGS 2008 California | 84.79 |
| 6.7000 Reverse | 50.0000 N | W | USGS 2008 California | 197.33 |
| Gravel Hills-Harper Lk | | | USGS 2008 California | 197.33 |
| 7.1000 Strike Slip | 90.0000 -- | SW | USGS 2008 California | 191.35 |
| Great Valley 14 (Kettleman Hills) | | | USGS 2008 California | 191.35 |
| 7.2000 Reverse | 22.0000 SW | SE | USGS 2008 California | 177.36 |
| Helendale-So Lockhart | | | USGS 2008 California | 177.36 |
| 7.4000 Strike Slip | 90.0000 -- | SW | USGS 2008 California | 73.52 |
| Hollywood | | | USGS 2008 California | 73.52 |
| 6.7000 Strike Slip | 70.0000 N | W | USGS 2008 California | 46.62 |
| Holser, alt 1 | | | USGS 2008 California | 46.62 |
| 6.8000 Reverse | 58.0000 S | SW | USGS 2008 California | 156.75 |
| Hosgri | | | USGS 2008 California | 156.75 |
| 7.3000 Strike Slip | 80.0000 NE | SE | USGS 2008 California | 171.36 |
| Lenwood-Lockhart-Old Woman Springs | | | USGS 2008 California | 171.36 |
| 7.5000 Strike Slip | 90.0000 -- | SW | USGS 2008 California | 107.95 |
| Lions Head | | | USGS 2008 California | 107.95 |
| 6.8000 Reverse | 75.0000 NE | SE | USGS 2008 California | 90.77 |
| Los Alamos-West Baseline | | | USGS 2008 California | 90.77 |
| 6.9000 Reverse | 30.0000 SW | SE | USGS 2008 California | 147.36 |
| Los Osos | | | USGS 2008 California | 147.36 |
| 7.0000 Reverse | 45.0000 SW | SE | USGS 2008 California | 22.90 |
| Mission Ridge-Arroyo Parida-Santa Ana | | | USGS 2008 California | 22.90 |
| 6.9000 Reverse | 70.0000 S | S | USGS 2008 California | 22.68 |
| North Channel | | | USGS 2008 California | 22.68 |
| 6.8000 Reverse | 26.0000 N | SE | USGS 2008 California | 178.49 |
| North Frontal (West) | | | USGS 2008 California | 178.49 |
| 7.2000 Reverse | 49.0000 S | W | USGS 2008 California | 46.98 |
| Northridge | | | USGS 2008 California | 46.98 |
| 6.9000 Reverse | 35.0000 S | W | USGS 2008 California | 5.32 |
| Oak Ridge (Offshore) | | | USGS 2008 California | 5.32 |
| 7.0000 Reverse | 32.0000 S | E | USGS 2008 California | 3.25 |
| Oak Ridge (Onshore) | | | USGS 2008 California | 3.25 |
| 7.2000 Reverse | 65.0000 S | S | USGS 2008 California | 2.83 |
| Oak Ridge Connected | | | USGS 2008 California | 2.83 |
| 7.4000 Reverse | 53.1000 S | Above | USGS 2008 California | 66.13 |
| Palos Verdes | | | USGS 2008 California | 66.13 |
| 7.3000 Strike Slip | 90.0000 -- | NW | USGS 2008 California | 66.13 |
| Palos Verdes Connected | | | USGS 2008 California | 66.13 |
| 7.7000 Strike Slip | 90.0000 -- | NW | USGS 2008 California | 25.28 |
| Pitas Point (Lower)-Montalvo | | | USGS 2008 California | 25.28 |
| 7.3000 Reverse | 16.0000 N | E | USGS 2008 California | 44.50 |
| Pitas Point (Lower, West) | | | USGS 2008 California | 44.50 |
| 7.3000 Reverse | 13.0000 N | SE | USGS 2008 California | 35.87 |
| Pitas Point (Upper) | | | USGS 2008 California | 35.87 |
| 6.9000 Reverse | 42.0000 N | E | USGS 2008 California | 8.06 |
| Pitas Point Connected | | | USGS 2008 California | 8.06 |
| 7.3000 Reverse | 55.3000 N | S | USGS 2008 California | 69.02 |
| Pleito | | | USGS 2008 California | 69.02 |
| 7.1000 Reverse | 46.0000 S | S | USGS 2008 California | 85.89 |
| Puente Hills | | | USGS 2008 California | 85.89 |

| | | | | |
|---------------------------------|------------|-------|----------------------|--------|
| 7.1000 Reverse | 25.0000 N | W | | |
| Puente Hills (Coyote Hills) | | | USGS 2008 California | 113.29 |
| 6.9000 Reverse | 26.0000 N | W | | |
| Puente Hills (LA) | | | USGS 2008 California | 83.10 |
| 7.0000 Reverse | 27.0000 N | W | | |
| Puente Hills (Santa Fe Springs) | | | USGS 2008 California | 96.79 |
| 6.7000 Reverse | 29.0000 N | W | | |
| Raymond | | | USGS 2008 California | 91.31 |
| 6.8000 Reverse | 79.0000 N | W | | |
| Red Mountain | | | USGS 2008 California | 15.77 |
| 7.4000 Reverse | 56.0000 N | SE | | |
| Rinconada | | | USGS 2008 California | 170.16 |
| 7.5000 Strike Slip | 90.0000 -- | SE | | |
| San Cayetano | | | USGS 2008 California | 25.50 |
| 7.2000 Reverse | 42.0000 N | S | | |
| San Gabriel | | | USGS 2008 California | 59.82 |
| 7.3000 Strike Slip | 61.0000 NE | SW | | |
| San Joaquin Hills | | | USGS 2008 California | 131.33 |
| 7.1000 Reverse | 23.0000 SW | NW | | |
| San Jose | | | USGS 2008 California | 122.10 |
| 6.7000 Strike Slip | 74.0000 NW | W | | |
| San Juan | | | USGS 2008 California | 123.84 |
| 7.1000 Strike Slip | 90.0000 -- | SE | | |
| San Luis Range (So Margin) | | | USGS 2008 California | 117.29 |
| 7.2000 Reverse | 45.0000 NE | SE | | |
| Santa Cruz Island | | | USGS 2008 California | 26.82 |
| 7.2000 Strike Slip | 90.0000 -- | N | | |
| Santa Rosa Island | | | USGS 2008 California | 68.22 |
| 6.9000 Strike Slip | 90.0000 -- | E | | |
| Santa Susana, alt 1 | | | USGS 2008 California | 43.41 |
| 6.9000 Reverse | 55.0000 N | W | | |
| Santa Ynez (East) | | | USGS 2008 California | 31.39 |
| 7.2000 Strike Slip | 70.0000 S | S | | |
| Santa Ynez (West) | | | USGS 2008 California | 49.46 |
| 7.0000 Strike Slip | 70.0000 S | SE | | |
| Santa Ynez Connected | | | USGS 2008 California | 31.39 |
| 7.4000 Strike Slip | 70.0000 S | S | | |
| Sierra Madre | | | USGS 2008 California | 84.64 |
| 7.2000 Reverse | 53.0000 N | W | | |
| Sierra Madre (San Fernando) | | | USGS 2008 California | 67.78 |
| 6.7000 Reverse | 45.0000 N | W | | |
| Sierra Madre Connected | | | USGS 2008 California | 67.78 |
| 7.3000 Reverse | 51.0000 N | W | | |
| Simi-Santa Rosa | | | USGS 2008 California | 9.93 |
| 6.9000 Strike Slip | 60.0000 N | W | | |
| So Sierra Nevada | | | USGS 2008 California | 161.15 |
| 7.5000 Normal | 50.0000 E | SW | | |
| Ventura-Pitas Point | | | USGS 2008 California | 8.03 |
| 7.0000 Reverse | 64.0000 N | S | | |
| Verdugo | | | USGS 2008 California | 72.58 |
| 6.9000 Reverse | 55.0000 NE | W | | |
| White Wolf | | | USGS 2008 California | 90.23 |
| 7.2000 Reverse | 75.0000 SE | S | | |
| California Gridded | | | USGS 2008 California | 0.00 |
| 7.0000 SS R | 90.0000 -- | Above | | |
| Anacapa-Dume | | | USGS 2008 California | 20.27 |
| 7.2000 Reverse | 41-45 N | NW | | |

| | | | | |
|----------------------|------------|----|----------------------|--------|
| Chino | | | USGS 2008 California | 130.34 |
| 6.8000 Strike Slip | 50-65 SW | W | USGS 2008 California | 109.73 |
| Elsinore | | | USGS 2008 California | 72.13 |
| 7.8490 Strike Slip | 75-90 NE | W | USGS 2008 California | 31.60 |
| Garlock | | | USGS 2008 California | 77.91 |
| 7.7230 Strike Slip | 90.0000 -- | S | USGS 2008 California | 69.59 |
| Malibu Coast | | | USGS 2008 California | 151.23 |
| 7.0000 Strike Slip | 74-75 N | NW | USGS 2008 California | 20.90 |
| Newport-Inglewood | | | USGS 2008 California | |
| 7.5000 Strike Slip | 88-90 NE | W | USGS 2008 California | |
| Southern San Andreas | | | USGS 2008 California | |
| 8.2000 Strike Slip | 58-90 N,NE | S | USGS 2008 California | |
| San Jacinto | | | USGS 2008 California | |
| 7.8750 Strike Slip | 90.0000 -- | W | USGS 2008 California | |
| Santa Monica | | | USGS 2008 California | |
| 7.4000 SS R | 44-75 N | N | USGS 2008 California | |

SEISMIC SOURCES

Name: Imp Extensional Gridded, Char, Normal
 Region: USGS 2008 California
 Category:Gridded
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 FileType: USGS2008
 Data File (binary): USGS2008Test.bin-grid
 Data File (binary): USGS2008Test.bin-grid

General Parameters

Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.3333
 Latitude Increment, degrees: 0.1
 Longitude Increment, degrees: 0.1
 Magnitude Threshold for Weighting: 6.5

Earthquake Model Parameters (Varies point to point?)

Cell Weight: 1 Yes
 Fault Mechanism: Normal
 Depth to Top of Rupture, km: 5
 Minimum Magnitude: 5
 Maximum Magnitude: 7 Yes
 Rate at Minimum Magnitude, events per year: 0 Yes
 Beta: 1.84207
 Horizontal Rupture Length, A parameter: -3.22
 Horizontal Rupture Length, B parameter: 0.69
 Rupture Strike Azimuth Model: Random Strike

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Imp Extensional Gridded, Char, Strike Slip

Region: USGS 2008 California
Category:Gridded
Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
\USGS 2008 Lower 48.bin-ssdb
FileType: USGS2008
Data File (binary): USGS2008Test.bin-grid
Data File (binary): USGS2008Test.bin-grid

General Parameters
Magnitude Scale: Moment Magnitude
Probability of Activity: 0.3333
Latitude Increment, degrees: 0.1
Longitude Increment, degrees: 0.1
Magnitude Threshold for Weighting: 6.5

Earthquake Model Parameters (Varies point to point?)
Cell Weight: 1 Yes
Fault Mechanism: Strike Slip
Depth to Top of Rupture, km: 5
Minimum Magnitude: 5
Maximum Magnitude: 7 Yes
Rate at Minimum Magnitude, events per year: 0 Yes
Beta: 1.84207
Horizontal Rupture Length, A parameter: -3.22
Horizontal Rupture Length, B parameter: 0.69
Rupture Strike Azimuth Model: Random Strike

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Imp Extensional Gridded, GR, Normal
Region: USGS 2008 California
Category:Gridded
Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
\USGS 2008 Lower 48.bin-ssdb
FileType: USGS2008
Data File (binary): USGS2008Test.bin-grid
Data File (binary): USGS2008Test.bin-grid

General Parameters
Magnitude Scale: Moment Magnitude
Probability of Activity: 0.1666
Latitude Increment, degrees: 0.1
Longitude Increment, degrees: 0.1
Magnitude Threshold for Weighting: 6.5

Earthquake Model Parameters (Varies point to point?)
Cell Weight: 1 Yes
Fault Mechanism: Normal
Depth to Top of Rupture, km: 5
Minimum Magnitude: 5

Maximum Magnitude: 7 Yes
Rate at Minimum Magnitude, events per year: 0 Yes
Beta: 1.84207
Horizontal Rupture Length, A parameter: -3.22
Horizontal Rupture Length, B parameter: 0.69
Rupture Strike Azimuth Model: Random Strike

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Imp Extensional Gridded, GR, Strike Slip
Region: USGS 2008 California
Category:Gridded
Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
\USGS 2008 Lower 48.bin-ssdb
FileType: USGS2008
Data File (binary): USGS2008Test.bin-grid
Data File (binary): USGS2008Test.bin-grid

General Parameters

Magnitude Scale: Moment Magnitude
Probability of Activity: 0.1666
Latitude Increment, degrees: 0.1
Longitude Increment, degrees: 0.1
Magnitude Threshold for Weighting: 6.5

Earthquake Model Parameters (Varies point to point?)

Cell Weight: 1 Yes
Fault Mechanism: Strike Slip
Depth to Top of Rupture, km: 5
Minimum Magnitude: 5
Maximum Magnitude: 7 Yes
Rate at Minimum Magnitude, events per year: 0 Yes
Beta: 1.84207
Horizontal Rupture Length, A parameter: -3.22
Horizontal Rupture Length, B parameter: 0.69
Rupture Strike Azimuth Model: Random Strike

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Mojave Shear Gridded
Region: USGS 2008 California
Category:Gridded
Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files

\USGS 2008 Lower 48.bin-ssdb
FileType: USGS2008

General Parameters

Magnitude Scale: Moment Magnitude
Probability of Activity: 1
Latitude Increment, degrees: 0.1
Longitude Increment, degrees: 0.1
Magnitude Threshold for Weighting: 6.5

Earthquake Model Parameters (Varies point to point?)

Cell Weight: 1
Fault Mechanism: Strike Slip
Depth to Top of Rupture, km: 5
Minimum Magnitude: 6.5
Maximum Magnitude: 7.6
Rate at Minimum Magnitude, events per year: 0 Yes
Beta: 1.84207
Horizontal Rupture Length, A parameter: -3.22
Horizontal Rupture Length, B parameter: 0.69
Rupture Strike Azimuth Model: Fixed Strike
Rupture Strike Angle, degrees : -47

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: San Andreas Creeping Section Gridded

Region: USGS 2008 California

Category:Gridded

Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files

\USGS 2008 Lower 48.bin-ssdb

FileType: USGS2008

General Parameters

Magnitude Scale: Moment Magnitude
Probability of Activity: 1
Latitude Increment, degrees: 0.1
Longitude Increment, degrees: 0.1
Magnitude Threshold for Weighting: 6.5

Earthquake Model Parameters (Varies point to point?)

Cell Weight: 1
Fault Mechanism: Strike Slip
Depth to Top of Rupture, km: 5
Minimum Magnitude: 5
Maximum Magnitude: 6
Rate at Minimum Magnitude, events per year: 0 Yes
Beta: 2.07233
Horizontal Rupture Length, A parameter: -3.22
Horizontal Rupture Length, B parameter: 0.69
Rupture Strike Azimuth Model: Fixed Strike
Rupture Strike Angle, degrees : -42.5

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: San Gorgornio Shear Gridded

Region: USGS 2008 California

Category:Gridded

Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
\USGS 2008 Lower 48.bin-ssdb

FileType: USGS2008

General Parameters

Magnitude Scale: Moment Magnitude
Probability of Activity: 1
Latitude Increment, degrees: 0.1
Longitude Increment, degrees: 0.1
Magnitude Threshold for Weighting: 6.5

Earthquake Model Parameters (Varies point to point?)

Cell Weight: 1
Fault Mechanism: Strike Slip
Depth to Top of Rupture, km: 5
Minimum Magnitude: 6.5
Maximum Magnitude: 7.6
Rate at Minimum Magnitude, events per year: 0 Yes
Beta: 1.84207
Horizontal Rupture Length, A parameter: -3.22
Horizontal Rupture Length, B parameter: 0.69
Rupture Strike Azimuth Model: Fixed Strike
Rupture Strike Angle, degrees : -67

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Casmalia (Orcutt Frontal)

Region: USGS 2008 California

Category:Fault

Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
\USGS 2008 Lower 48.bin-ssdb

Fault Mechanism: Reverse

Magnitude Scale: Moment Magnitude

Probability of Activity: 1.00000000

Deterministic Magnitude: 6.7

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 75 | 0 | 0.001 | 9.659 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|----------------|----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.041665 | Activity | 1.501e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.010000 | Activity | 2.994e-004 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.120000 | Normal | 0.041665 | Activity | 2.994e-004 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.120000 | Exponential | 0.041668 | Activity | 2.283e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 2.244e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 2.244e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.083335 | Activity | 3.217e-004 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.000000 | Characteristic | 0.010000 | Activity | 3.217e-004 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 1.501e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.994e-004 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.994e-004 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.120000 | Exponential | 0.020833 | Activity | 2.283e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 2.244e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.244e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.041665 | Activity | 3.217e-004 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.000000 | Characteristic | 0.010000 | Activity | 3.217e-004 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 1.501e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.010000 | Activity | 2.994e-004 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.994e-004 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.120000 | Exponential | 0.020833 | Activity | 2.283e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 2.244e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.244e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.041665 | Activity | 3.217e-004 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.000000 | Characteristic | 0.010000 | Activity | 3.217e-004 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 1.501e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.994e-004 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.994e-004 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.120000 | Exponential | 0.020833 | Activity | 2.283e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 2.244e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.244e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.041665 | Activity | 3.217e-004 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.000000 | Characteristic | 0.010000 | Activity | 3.217e-004 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

```

--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Area              --          --          --          --          --          -- -4.153061
1.020408  0.240000
--      Area              --          --          --          --          --          -- -4.153061
1.020408  0.240000
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Area              --          --          --          --          --          -- -4.153061
1.020408  0.240000
--      Area              --          --          --          --          --          -- -4.153061
1.020408  0.240000
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Area              --          --          --          --          --          -- -4.153061
1.020408  0.240000
--      Area              --          --          --          --          --          -- -4.153061
1.020408  0.240000
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
    
```

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.9331 | -120.6482 |
| 34.9147 | -120.5746 |
| 34.8779 | -120.5207 |
| 34.8472 | -120.4520 |
| 34.8436 | -120.3968 |
| 34.8215 | -120.3699 |

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Channel Islands Thrust
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude

Probability of Activity: 1.00000000
 Deterministic Magnitude: 7.3

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 20 | 5 | 5.001 | 12.18 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 4.761e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.120000 | Normal | 0.041665 | Activity | 6.725e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.000000 | Exponential | 0.041668 | Activity | 2.081e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.516e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 2.462e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.927e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 4.761e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.120000 | Normal | 0.083335 | Activity | 6.725e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.081e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.516e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.462e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.927e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 4.761e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.120000 | Normal | 0.083335 | Activity | 6.725e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.081e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.516e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.462e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.927e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 4.761e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.120000 | Normal | 0.083335 | Activity | 6.725e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.081e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.516e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.462e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.927e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |

0.000000 0.000000 0.000000

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:
 Latitude Longitude
 34.0258 -119.2630

34.0010 -119.3610
 33.9884 -119.4660
 33.9866 -119.5250
 33.9612 -119.6330
 33.9431 -119.6800
 33.9431 -119.7570
 33.9457 -119.8150
 33.9745 -119.8820

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Clamshell-Sawpit
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1.00000000
 Deterministic Magnitude: 6.7

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 50 | 0 | 0.001 | 13.79 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|----------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 2.927e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.010000 | Activity | 8.249e-004 | 6.160000 | 6.640000 | 2.300000 | 6.400000 |
| 0.120000 | Exponential | 0.041668 | Activity | 4.453e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 4.377e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.083335 | Activity | 8.863e-004 | 6.399000 | 6.401000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.927e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.010000 | Activity | 8.249e-004 | 6.160000 | 6.640000 | 2.300000 | 6.400000 |
| 0.120000 | Exponential | 0.020833 | Activity | 4.453e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 4.377e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.041665 | Activity | 8.863e-004 | 6.399000 | 6.401000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.927e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |

| | | | | | | | | |
|----------|----------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.083335 | Activity | 8.249e-004 | 6.160000 | 6.640000 | 2.300000 | 6.400000 |
| 0.000000 | Exponential | 0.020833 | Activity | 4.453e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 4.377e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.041665 | Activity | 8.863e-004 | 6.399000 | 6.401000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.927e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.083335 | Activity | 8.249e-004 | 6.160000 | 6.640000 | 2.300000 | 6.400000 |
| 0.000000 | Exponential | 0.020833 | Activity | 4.453e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 4.377e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.041665 | Activity | 8.863e-004 | 6.399000 | 6.401000 | 2.300000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | -- | -- | -- | -- | -- | -- | -4.153061 |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | -- | -- | -- | -- | -- | -- | -4.153061 |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | -- | -- | -- | -- | -- | -- | -4.153061 |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

```

1.020408 0.240000
1.020408 0.240000 Area -- -- -- -- -- -- -4.153061
Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
-- --
    
```

Trace Coordinates:

```

Latitude Longitude
34.2402 -117.8458
34.2218 -117.8844
34.2181 -117.9279
34.1777 -117.9990
    
```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Cleghorn

Region: USGS 2008 California

Category: Fault

Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files\USGS 2008 Lower 48.bin-ssdb

Fault Mechanism: Strike Slip

Magnitude Scale: Moment Magnitude

Probability of Activity: 1.00000000

Deterministic Magnitude: 6.8

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 16 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 1.661e-003 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.120000 | Normal | 0.010000 | Activity | 3.314e-003 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| 0.120000 | Normal | 0.010000 | Activity | 3.314e-003 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| 0.000000 | Exponential | 0.041668 | Activity | 3.009e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 2.881e-003 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 2.881e-003 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 4.239e-003 | 6.500000 | 6.600000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 4.233e-003 | 6.500000 | 6.600000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 4.233e-003 | 6.500000 | 6.600000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 1.661e-003 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.120000 | Normal | 0.010000 | Activity | 3.314e-003 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| 0.120000 | Normal | 0.083335 | Activity | 3.314e-003 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| 0.120000 | Normal | 0.010000 | Activity | 3.314e-003 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| 0.000000 | Exponential | 0.020833 | Activity | 3.009e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 3.009e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |

| | | | | | | | |
|-------------|----------|-----------|------------|----------|----------|----------|----------|
| Exponential | 0.020833 | Activity | 2.881e-003 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.020833 | Activity | 4.239e-003 | 6.500000 | 6.600000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.020833 | Activity | 4.233e-003 | 6.500000 | 6.600000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Normal | 0.083335 | Activity | 1.661e-003 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | |
| Normal | 0.083335 | Activity | 3.314e-003 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | |
| Exponential | 0.020833 | Activity | 3.009e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.020833 | Activity | 2.881e-003 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.020833 | Activity | 4.239e-003 | 6.500000 | 6.600000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.020833 | Activity | 4.233e-003 | 6.500000 | 6.600000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Normal | 0.083335 | Activity | 1.661e-003 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | |
| Normal | 0.083335 | Activity | 3.314e-003 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | |
| Exponential | 0.020833 | Activity | 3.009e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.020833 | Activity | 2.881e-003 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.020833 | Activity | 4.239e-003 | 6.500000 | 6.600000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.020833 | Activity | 4.233e-003 | 6.500000 | 6.600000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |

```

1.020408 0.240000
  Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
  Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
  Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
  Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000

```

Trace Coordinates:

```

Latitude Longitude
34.3113 -117.4644
34.2858 -117.3880
34.2943 -117.3455
34.2773 -117.3172
34.2745 -117.2577
34.2830 -117.2040

```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

```

Name: Coronado Bank
Region: USGS 2008 California
Category: Fault
Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
\USGS 2008 Lower 48.bin-ssdb
Fault Mechanism: Strike Slip
Magnitude Scale: Moment Magnitude
Probability of Activity: 0.50000000
Deterministic Magnitude: 7.4

```

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 9 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.08333 | Activity | 8.551e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |
| 0.120000 | Normal | 0.083330 | Activity | 1.208e-003 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.120000 | Exponential | 0.083335 | Activity | 4.466e-003 | 6.500000 | 7.400000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 3.004e-003 | 6.500000 | 7.400000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 5.280e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 3.847e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 8.551e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |
| 0.120000 | Normal | 0.166670 | Activity | 1.208e-003 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.120000 | Exponential | 0.041665 | Activity | 4.466e-003 | 6.500000 | 7.400000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 3.004e-003 | 6.500000 | 7.400000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 5.280e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 3.847e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture | Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.2798 | -117.9170 |
| 33.2066 | -117.8380 |
| 33.0732 | -117.7420 |
| 33.0269 | -117.6870 |
| 32.9520 | -117.6160 |
| 32.9251 | -117.5740 |
| 32.8655 | -117.5200 |
| 32.8085 | -117.5070 |
| 32.7524 | -117.4670 |
| 32.7235 | -117.4330 |
| 32.6786 | -117.4130 |
| 32.6238 | -117.3440 |
| 32.5940 | -117.3150 |
| 32.5519 | -117.2980 |
| 32.4949 | -117.2660 |
| 31.8900 | -116.8400 |

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Cucamonga

Region: USGS 2008 California

Category: Fault

Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files\USGS 2008 Lower 48.bin-ssdb

Fault Mechanism: Reverse

Magnitude Scale: Moment Magnitude

Probability of Activity: 1.00000000

Deterministic Magnitude: 6.7

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 45 | 0 | 0.001 | 7.778 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|----------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 3.082e-003 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.041665 | Activity | 6.150e-003 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| | Delta1 | Delta2 | | | | | | |
| 0.000000 | Exponential | 0.041668 | Activity | 4.689e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| | Delta1 | Delta2 | | | | | | |
| 0.000000 | Exponential | 0.041668 | Activity | 4.609e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| | Delta1 | Delta2 | | | | | | |
| 0.000000 | Characteristic | 0.083335 | Activity | 6.608e-003 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.083335 | Activity | 3.082e-003 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| | Delta1 | Delta2 | | | | | | |

| | | | | | | | | |
|----------|----------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.083335 | Activity | 6.150e-003 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.000000 | Exponential | 0.020833 | Activity | 4.689e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 4.609e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.041665 | Activity | 6.608e-003 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 3.082e-003 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.083335 | Activity | 6.150e-003 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.000000 | Exponential | 0.020833 | Activity | 4.689e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 4.609e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.041665 | Activity | 6.608e-003 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 3.082e-003 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.083335 | Activity | 6.150e-003 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.000000 | Exponential | 0.020833 | Activity | 4.689e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 4.609e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.041665 | Activity | 6.608e-003 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |

Rupture Length Parameters

| Rupture | Dimensioning | Al | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

```

1.020408 0.240000
      Area      --      --      --      --      --      --      -4.153061
1.020408 0.240000
      Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
      Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
      Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
      Area      --      --      --      --      --      --      -4.153061
1.020408 0.240000
      Area      --      --      --      --      --      --      -4.153061
1.020408 0.240000
      Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
    
```

Trace Coordinates:

```

Latitude Longitude
34.1804 -117.4415
34.1734 -117.4541
34.1670 -117.4772
34.1674 -117.4954
34.1683 -117.5205
34.1709 -117.5582
34.1718 -117.5688
34.1659 -117.5773
34.1629 -117.6331
34.1484 -117.6627
34.1253 -117.7288
    
```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Elysian Park (Upper)
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1.00000000
 Deterministic Magnitude: 6.7

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 50 | 3 | 3.001 | 15.26 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|-------|-----------|----------|----------|------------|----------|----------|----------|----------|
| | Normal | 0.041665 | Activity | 8.193e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |

| | | | | | | | | | |
|----------|----------------|-----------|----------|------------|----------|----------|----------|----------|--|
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.041665 | Activity | 1.635e-003 | 6.260000 | 6.740000 | 2.300000 | 6.500000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Exponential | 0.041668 | Activity | 1.246e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.041668 | Activity | 1.225e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Characteristic | 0.083335 | Activity | 1.756e-003 | 6.499000 | 6.501000 | 2.300000 | 0.000000 | |
| 0.000000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 8.193e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 1.635e-003 | 6.260000 | 6.740000 | 2.300000 | 6.500000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 1.246e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 1.225e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Characteristic | 0.041665 | Activity | 1.756e-003 | 6.499000 | 6.501000 | 2.300000 | 0.000000 | |
| 0.000000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 8.193e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 1.635e-003 | 6.260000 | 6.740000 | 2.300000 | 6.500000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 1.246e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 1.225e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Characteristic | 0.041665 | Activity | 1.756e-003 | 6.499000 | 6.501000 | 2.300000 | 0.000000 | |
| 0.000000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 8.193e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 1.635e-003 | 6.260000 | 6.740000 | 2.300000 | 6.500000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 1.246e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 1.225e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Characteristic | 0.041665 | Activity | 1.756e-003 | 6.499000 | 6.501000 | 2.300000 | 0.000000 | |
| 0.000000 | 0.010000 | 10.000000 | | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

```

        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000      --
--      --
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000      --
--      --
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000      --
--      --
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000      --
--      --
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000      --
--      --
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000      --
--      --
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000      --
--      --
    
```

Trace Coordinates:

```

Latitude Longitude
34.0683 -118.0998
34.0612 -118.1304
34.0675 -118.2348
34.1126 -118.2968
    
```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Gravel Hills-Harper Lk

Region: USGS 2008 California

Category: Fault

Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files

\USGS 2008 Lower 48.bin-ssdb

Fault Mechanism: Strike Slip

Magnitude Scale: Moment Magnitude

Probability of Activity: 1.00000000

Deterministic Magnitude: 7.1

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 11 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 2.604e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 0.010000 | Activity | 5.196e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | Normal | 0.041665 | Activity | 2.604e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 0.010000 | Activity | 5.196e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.000000 | Exponential | 0.041668 | Activity | 7.987e-004 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 6.666e-004 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 7.987e-004 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 1.121e-003 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 7.987e-004 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 1.035e-003 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.604e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 0.010000 | Activity | 5.196e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.604e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 0.010000 | Activity | 5.196e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.000000 | Exponential | 0.020833 | Activity | 7.987e-004 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 6.666e-004 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 7.987e-004 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 1.121e-003 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 7.987e-004 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 1.035e-003 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.604e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 0.010000 | Activity | 5.196e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.604e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 0.010000 | Activity | 5.196e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.000000 | Exponential | 0.020833 | Activity | 7.987e-004 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 6.666e-004 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 7.987e-004 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 1.121e-003 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 7.987e-004 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 1.035e-003 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | |

```

        Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
        Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
        Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
        Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
        Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
        Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
        Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
        Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
        Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
        Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
        Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
        Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
        Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
        Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
        Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
        Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
        Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
        Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
        Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
        Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
        Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
        Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
        Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
    
```

Trace Coordinates:
 Latitude Longitude
 34.8724 -116.9185
 34.8880 -116.9600
 34.9489 -117.0171
 35.1746 -117.3374
 35.2563 -117.4541

Attenuation Equations for Source:
 Raw Weight Normalized Weight Name

| | | |
|---|----------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Great Valley 14 (Kettleman Hills)
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1.00000000
 Deterministic Magnitude: 7.2

Fault Profile Parameters:

| | | | | |
|------|------|--------|--------|--------|
| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
| 90 | 22 | 8.1 | 8.101 | 22.34 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|-----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.041665 | Activity | 4.910e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.041665 | Activity | 9.797e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.000000 | Exponential | 0.041668 | Activity | 1.797e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.041668 | Activity | 1.407e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.041668 | Activity | 2.520e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.041668 | Activity | 2.222e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.120000 | Normal | 0.083335 | Activity | 4.910e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.083335 | Activity | 9.797e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 1.797e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 1.407e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 2.520e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 2.222e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.120000 | Normal | 0.083335 | Activity | 4.910e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.083335 | Activity | 9.797e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 1.797e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 1.407e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 2.520e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |


```

0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 2.222e-003 6.500000 7.000000 0.000000 0.000000
0.000000 0.000000 0.000000
    Normal 0.083335 Activity 4.910e-004 6.960000 7.440000 2.300000 7.200000
0.120000 0.010000 10.000000
    Normal 0.083335 Activity 9.797e-004 6.760000 7.240000 2.300000 7.000000
0.120000 0.010000 10.000000
    Exponential 0.020833 Activity 1.797e-003 6.500000 7.200000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.407e-003 6.500000 7.200000 0.000000 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 2.520e-003 6.500000 7.000000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 2.222e-003 6.500000 7.000000 0.000000 0.000000
0.000000 0.000000 0.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |

```

Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
-- --
Area -- -- -- -- -- -- -4.153061
1.020408 0.240000
Area -- -- -- -- -- -- -4.153061
1.020408 0.240000
Area -- -- -- -- -- -- -4.153061
1.020408 0.240000
Area -- -- -- -- -- -- -4.153061
1.020408 0.240000
    
```

Trace Coordinates:

```

Latitude Longitude
36.1316 -120.1390
36.0909 -120.0680
36.0366 -119.9730
36.0068 -119.9210
    
```

Attenuation Equations for Source:

```

Raw Weight Normalized Weight Name
1 0.250000 Abrahamson-Silva (2008) NGA
1 0.250000 Boore-Atkinson (2008) NGA
1 0.250000 Campbell-Bozorgnia (2008) NGA
1 0.250000 Chiou-Youngs (2008) NGA
    
```

```

Name: Helendale-So Lockhart
Region: USGS 2008 California
Category: Fault
Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
\USGS 2008 Lower 48.bin-ssdb
Fault Mechanism: Strike Slip
Magnitude Scale: Moment Magnitude
Probability of Activity: 1.00000000
Deterministic Magnitude: 7.4
    
```

Fault Profile Parameters:

```

Dip1 Dip2 Depth1 Depth2 Depth3
90 90 0 0.001 13
    
```

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 1.558e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |
| 0.120000 | Normal | 0.041665 | Activity | 2.200e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.000000 | Exponential | 0.041668 | Activity | 8.134e-004 | 6.500000 | 7.400000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 5.472e-004 | 6.500000 | 7.400000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 9.617e-004 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 7.006e-004 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | Normal | 0.083335 | Activity | 1.558e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |

| | | | | | | | | | |
|----------|-------------|-----------|----------|------------|----------|----------|----------|----------|--|
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 2.200e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 8.134e-004 | 6.500000 | 7.400000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 5.472e-004 | 6.500000 | 7.400000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 9.617e-004 | 6.500000 | 7.300000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 7.006e-004 | 6.500000 | 7.300000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 1.558e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 2.200e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 8.134e-004 | 6.500000 | 7.400000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 5.472e-004 | 6.500000 | 7.400000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 9.617e-004 | 6.500000 | 7.300000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 7.006e-004 | 6.500000 | 7.300000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 1.558e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 2.200e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 8.134e-004 | 6.500000 | 7.400000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 5.472e-004 | 6.500000 | 7.400000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 9.617e-004 | 6.500000 | 7.300000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 7.006e-004 | 6.500000 | 7.300000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |

```

        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
        Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
        Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
    
```

Trace Coordinates:

```

Latitude Longitude
34.3248 -116.8150
34.3757 -116.8570
34.4410 -116.9450
34.5394 -117.0640
34.6038 -117.1060
34.7868 -117.3280
34.9156 -117.4180
35.0428 -117.4970
35.1087 -117.5970
    
```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

```

Name: Hollywood
Region: USGS 2008 California
Category: Fault
Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
\USGS 2008 Lower 48.bin-ssdb
    
```

Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1.00000000
 Deterministic Magnitude: 6.7

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 70 | 0 | 0.001 | 16.91 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|----------------|----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.041665 | Activity | 6.185e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.041665 | Activity | 1.234e-003 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.000000 | Exponential | 0.041668 | Activity | 9.410e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 9.249e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.083335 | Activity | 1.326e-003 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 6.185e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.083335 | Activity | 1.234e-003 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.000000 | Exponential | 0.020833 | Activity | 9.410e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 9.249e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.041665 | Activity | 1.326e-003 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 6.185e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.083335 | Activity | 1.234e-003 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.000000 | Exponential | 0.020833 | Activity | 9.410e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 9.249e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.041665 | Activity | 1.326e-003 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 6.185e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.083335 | Activity | 1.234e-003 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.000000 | Exponential | 0.020833 | Activity | 9.410e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 9.249e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.041665 | Activity | 1.326e-003 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 6.185e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.083335 | Activity | 1.234e-003 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.000000 | Exponential | 0.020833 | Activity | 9.410e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 9.249e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.041665 | Activity | 1.326e-003 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|--------------------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

```

--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --

```

Trace Coordinates:

```

Latitude Longitude
34.1192 -118.2302
34.1104 -118.3170
34.0991 -118.3723
34.0840 -118.4063

```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Holser, alt 1

Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.50000000
 Deterministic Magnitude: 6.8

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 58 | 0 | 0.001 | 18.66 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.08333 | Activity | 2.431e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.120000 | Normal | 0.0833330 | Activity | 4.850e-004 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| 0.000000 | Exponential | 0.083335 | Activity | 4.403e-004 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 4.215e-004 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 6.202e-004 | 6.500000 | 6.600000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 6.194e-004 | 6.500000 | 6.600000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 2.431e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.120000 | Normal | 0.166670 | Activity | 4.850e-004 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| 0.000000 | Exponential | 0.041665 | Activity | 4.403e-004 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 4.215e-004 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 6.202e-004 | 6.500000 | 6.600000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 6.194e-004 | 6.500000 | 6.600000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

```
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Area      --      --      --      --      --      --      --      -4.153061
1.020408  0.240000
--      Area      --      --      --      --      --      --      --      -4.153061
1.020408  0.240000
--      Area      --      --      --      --      --      --      --      -4.153061
1.020408  0.240000
--      Area      --      --      --      --      --      --      --      -4.153061
1.020408  0.240000
```

Trace Coordinates:

```
Latitude Longitude
34.4386 -118.7533
34.4386 -118.7345
34.4499 -118.6741
34.4487 -118.6427
34.4172 -118.5483
```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Hosgri
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1.00000000
 Deterministic Magnitude: 7.3

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 80 | 0 | 0.001 | 6.894 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 7.427e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.120000 | Normal | 0.041665 | Activity | 1.049e-003 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.000000 | Exponential | 0.041668 | Activity | 3.246e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 2.365e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 3.840e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 3.007e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |

| | | | | | | | | | |
|----------|-------------|-----------|----------|------------|----------|----------|----------|----------|--|
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 7.427e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 1.049e-003 | 6.960000 | 7.440000 | 2.300000 | 7.200000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 3.246e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 2.365e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 3.840e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 3.007e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 7.427e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 1.049e-003 | 6.960000 | 7.440000 | 2.300000 | 7.200000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 3.246e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 2.365e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 3.840e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 3.007e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 7.427e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 1.049e-003 | 6.960000 | 7.440000 | 2.300000 | 7.200000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 3.246e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 2.365e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 3.840e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 3.007e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

| | | | | | | | | | | |
|----------|----------|------------------|----------|----------|----------|----------|----------|----------|----|-----------|
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- | -- |
| -- | -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- | -- |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- | -- |
| -- | -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- | -- |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.8548 | -120.7460 |
| 34.8931 | -120.7660 |
| 34.9340 | -120.7950 |
| 34.9754 | -120.8050 |
| 35.0469 | -120.8340 |
| 35.1085 | -120.8660 |
| 35.1429 | -120.8790 |
| 35.1919 | -120.9160 |
| 35.2712 | -120.9600 |
| 35.3547 | -121.0020 |
| 35.4214 | -121.0460 |
| 35.4542 | -121.0640 |
| 35.5020 | -121.0910 |
| 35.6027 | -121.1580 |
| 35.6523 | -121.1940 |
| 35.7005 | -121.2410 |
| 35.7437 | -121.2860 |
| 35.7685 | -121.3190 |
| 35.7917 | -121.3650 |
| 35.8356 | -121.4180 |
| 35.8623 | -121.4530 |
| 35.8946 | -121.4940 |

35.9287 -121.5170
 35.9680 -121.5610
 36.1462 -121.7270

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Lenwood-Lockhart-Old Woman Springs
 Region: USGS 2008 California
 Category: Fault

Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1.00000000
 Deterministic Magnitude: 7.5

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 13 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 2.172e-004 | 7.260000 | 7.740000 | 2.300000 | 7.500000 |
| 0.120000 | Normal | 0.010000 | Activity | 3.067e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |
| 0.120000 | Normal | 0.010000 | Activity | 3.067e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.356e-003 | 6.500000 | 7.500000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 8.363e-004 | 6.500000 | 7.500000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.602e-003 | 6.500000 | 7.400000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 1.078e-003 | 6.500000 | 7.400000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.078e-003 | 6.500000 | 7.400000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 1.078e-003 | 6.500000 | 7.400000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.172e-004 | 7.260000 | 7.740000 | 2.300000 | 7.500000 |
| 0.120000 | Normal | 0.010000 | Activity | 3.067e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |
| 0.120000 | Normal | 0.010000 | Activity | 3.067e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.356e-003 | 6.500000 | 7.500000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 8.363e-004 | 6.500000 | 7.500000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.602e-003 | 6.500000 | 7.400000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 1.602e-003 | 6.500000 | 7.400000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.078e-003 | 6.500000 | 7.400000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 1.078e-003 | 6.500000 | 7.400000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.172e-004 | 7.260000 | 7.740000 | 2.300000 | 7.500000 |
| 0.120000 | Normal | 0.010000 | Activity | 3.067e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |
| 0.120000 | Normal | 0.010000 | Activity | 3.067e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |

```

0.120000 0.010000 10.000000
    Exponential 0.020833 Activity 1.356e-003 6.500000 7.500000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 8.363e-004 6.500000 7.500000 0.000000 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.602e-003 6.500000 7.400000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.078e-003 6.500000 7.400000 0.000000 0.000000
0.000000 0.000000 0.000000
    Normal 0.083335 Activity 2.172e-004 7.260000 7.740000 2.300000 7.500000
0.120000 0.010000 10.000000
    Normal 0.083335 Activity 3.067e-004 7.160000 7.640000 2.300000 7.400000
0.120000 0.010000 10.000000
    Exponential 0.020833 Activity 1.356e-003 6.500000 7.500000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 8.363e-004 6.500000 7.500000 0.000000 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.602e-003 6.500000 7.400000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.078e-003 6.500000 7.400000 0.000000 0.000000
0.000000 0.000000 0.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

```

        Area      --      --      --      --      --      --      --      -4.153061
1.020408  0.240000
        Area      --      --      --      --      --      --      --      -4.153061
1.020408  0.240000
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
        Area      --      --      --      --      --      --      --      -4.153061
1.020408  0.240000
        Area      --      --      --      --      --      --      --      -4.153061
1.020408  0.240000
        Area      --      --      --      --      --      --      --      -4.153061
1.020408  0.240000
        Area      --      --      --      --      --      --      --      -4.153061
1.020408  0.240000
    
```

Trace Coordinates:

```

Latitude  Longitude
34.3498   -116.6430
34.4631   -116.6960
34.5527   -116.7670
34.6451   -116.8420
34.7504   -116.9260
34.8715   -117.0850
34.9536   -117.2480
35.0523   -117.4740
35.2155   -117.7760
    
```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Lions Head

Region: USGS 2008 California

Category: Fault

Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files\USGS 2008 Lower 48.bin-ssdb

Fault Mechanism: Reverse

Magnitude Scale: Moment Magnitude

Probability of Activity: 1.0000000

Deterministic Magnitude: 6.8

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 75 | 0 | 0.001 | 9.659 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 1.210e-005 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.010000 | Delta2 | 10.000000 | | | | | | |

| | | | | | | | | |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 2.415e-005 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| 0.000000 | Exponential | 0.041668 | Activity | 2.192e-005 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 2.099e-005 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 3.088e-005 | 6.500000 | 6.600000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 3.084e-005 | 6.500000 | 6.600000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 1.210e-005 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.415e-005 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.192e-005 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.099e-005 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 3.088e-005 | 6.500000 | 6.600000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 3.084e-005 | 6.500000 | 6.600000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 1.210e-005 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.415e-005 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.192e-005 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.099e-005 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 3.088e-005 | 6.500000 | 6.600000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 3.084e-005 | 6.500000 | 6.600000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 1.210e-005 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.415e-005 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.192e-005 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.099e-005 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 3.088e-005 | 6.500000 | 6.600000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 3.084e-005 | 6.500000 | 6.600000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 0.240000 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

```

1.020408 0.240000
          Area      --      --      --      --      --      -- -4.153061
1.020408 0.240000
          Area      --      --      --      --      --      -- -4.153061
1.020408 0.240000
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
          Area      --      --      --      --      --      -- -4.153061
1.020408 0.240000
          Area      --      --      --      --      --      -- -4.153061
1.020408 0.240000
          Area      --      --      --      --      --      -- -4.153061
1.020408 0.240000
          Area      --      --      --      --      --      -- -4.153061
1.020408 0.240000
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
          Area      --      --      --      --      --      -- -4.153061
1.020408 0.240000
          Area      --      --      --      --      --      -- -4.153061
1.020408 0.240000
          Area      --      --      --      --      --      -- -4.153061
1.020408 0.240000
          Area      --      --      --      --      --      -- -4.153061
1.020408 0.240000
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
          Area      --      --      --      --      --      -- -4.153061
1.020408 0.240000
          Area      --      --      --      --      --      -- -4.153061
1.020408 0.240000
          Area      --      --      --      --      --      -- -4.153061
1.020408 0.240000
          Area      --      --      --      --      --      -- -4.153061
1.020408 0.240000
    
```

Trace Coordinates:

```

Latitude Longitude
34.6977 -120.2350
34.7124 -120.3343
34.7160 -120.4067
34.7295 -120.4410
34.8423 -120.5562
34.8681 -120.6102
    
```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Los Alamos-West Baseline
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1.00000000
 Deterministic Magnitude: 6.9

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 30 | 0 | 0.001 | 10 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|-----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.041665 | Activity | 3.890e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.041665 | Activity | 7.761e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.000000 | Exponential | 0.041668 | Activity | 8.392e-004 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.041668 | Activity | 7.749e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.041668 | Activity | 1.181e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.041668 | Activity | 1.161e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.120000 | Normal | 0.083335 | Activity | 3.890e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.083335 | Activity | 7.761e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 8.392e-004 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 7.749e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 1.181e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 1.161e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.120000 | Normal | 0.083335 | Activity | 3.890e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.083335 | Activity | 7.761e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 8.392e-004 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 7.749e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 1.181e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 1.161e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Normal | 0.083335 | Activity | 3.890e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |


```

0.120000 0.010000 10.000000
      Normal 0.083335 Activity 7.761e-004 6.460000 6.940000 2.300000 6.700000
0.120000 0.010000 10.000000
      Exponential 0.020833 Activity 8.392e-004 6.500000 6.900000 1.842068 0.000000
0.000000 0.000000 0.000000
      Exponential 0.020833 Activity 7.749e-004 6.500000 6.900000 0.000000 0.000000
0.000000 0.000000 0.000000
      Exponential 0.020833 Activity 1.181e-003 6.500000 6.700000 1.842068 0.000000
0.000000 0.000000 0.000000
      Exponential 0.020833 Activity 1.161e-003 6.500000 6.700000 0.000000 0.000000
0.000000 0.000000 0.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |

```

                Area      --      --      --      --      --      --      --      -4.153061
1.020408  0.240000
                Area      --      --      --      --      --      --      --      -4.153061
1.020408  0.240000
                Area      --      --      --      --      --      --      --      -4.153061
1.020408  0.240000
    
```

Trace Coordinates:

```

Latitude  Longitude
34.7589   -120.3184
34.7308   -120.2117
34.6719   -120.1443
34.6315   -120.0646
    
```

Attenuation Equations for Source:

```

Raw Weight  Normalized Weight  Name
1           0.250000         Abrahamson-Silva (2008) NGA
1           0.250000         Boore-Atkinson (2008) NGA
1           0.250000         Campbell-Bozorgnia (2008) NGA
1           0.250000         Chiou-Youngs (2008) NGA
    
```

Name: Los Osos

Region: USGS 2008 California

Category: Fault

Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files\USGS 2008 Lower 48.bin-ssdb

Fault Mechanism: Reverse

Magnitude Scale: Moment Magnitude

Probability of Activity: 1.00000000

Deterministic Magnitude: 7

Fault Profile Parameters:

```

Dipl  Dip2  Depth1  Depth2  Depth3
90    45    0        0.001  9.899
    
```

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 2.224e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | Normal | 0.041665 | Activity | 4.436e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.000000 | Exponential | 0.041668 | Activity | 5.718e-004 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 5.043e-004 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 8.035e-004 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 7.694e-004 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.224e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 4.436e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.120000 | Exponential | 0.020833 | Activity | 5.718e-004 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |

| | | | | | | | | | |
|----------|-------------|-----------|----------|------------|----------|----------|----------|----------|--|
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 5.043e-004 | 6.500000 | 7.000000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 8.035e-004 | 6.500000 | 6.800000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 7.694e-004 | 6.500000 | 6.800000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 2.224e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 4.436e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 5.718e-004 | 6.500000 | 7.000000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 5.043e-004 | 6.500000 | 7.000000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 8.035e-004 | 6.500000 | 6.800000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 7.694e-004 | 6.500000 | 6.800000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 2.224e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 4.436e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 5.718e-004 | 6.500000 | 7.000000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 5.043e-004 | 6.500000 | 7.000000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 8.035e-004 | 6.500000 | 6.800000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 7.694e-004 | 6.500000 | 6.800000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |

```

        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
    
```

Trace Coordinates:

```

Latitude Longitude
35.3021 -120.8664
35.2996 -120.7818
35.2849 -120.7352
35.2457 -120.6837
35.2089 -120.6543
35.1697 -120.5317
35.1255 -120.4814
35.1219 -120.4569
    
```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

```

Name: Mission Ridge-Arroyo Parida-Santa Ana
Region: USGS 2008 California
Category: Fault
Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
\USGS 2008 Lower 48.bin-ssdb
Fault Mechanism: Reverse
Magnitude Scale: Moment Magnitude
Probability of Activity: 0.58330000
Deterministic Magnitude: 6.9
    
```

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 70 | 0 | 0.001 | 7.518 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.04166 | Activity | 2.228e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | Normal | 0.041660 | Activity | 4.445e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.083330 | Activity | 2.228e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | Normal | 0.083330 | Activity | 4.445e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.083330 | Activity | 2.228e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | Normal | 0.083330 | Activity | 4.445e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.083330 | Activity | 2.228e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | Normal | 0.083330 | Activity | 4.445e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.083330 | Activity | 2.228e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.000000 | Exponential | 0.041660 | Activity | 4.806e-004 | 6.500000 | 6.900000 | 1.842100 | 0.000000 |
| 0.000000 | Exponential | 0.041660 | Activity | 4.438e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041660 | Activity | 6.763e-004 | 6.500000 | 6.700000 | 1.842100 | 0.000000 |
| 0.000000 | Exponential | 0.041660 | Activity | 6.647e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020830 | Activity | 4.806e-004 | 6.500000 | 6.900000 | 1.842100 | 0.000000 |
| 0.000000 | Exponential | 0.020830 | Activity | 4.438e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020830 | Activity | 6.763e-004 | 6.500000 | 6.700000 | 1.842100 | 0.000000 |
| 0.000000 | Exponential | 0.020830 | Activity | 6.647e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020830 | Activity | 4.806e-004 | 6.500000 | 6.900000 | 1.842100 | 0.000000 |
| 0.000000 | Exponential | 0.020830 | Activity | 4.438e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020830 | Activity | 6.763e-004 | 6.500000 | 6.700000 | 1.842100 | 0.000000 |
| 0.000000 | Exponential | 0.020830 | Activity | 6.647e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020830 | Activity | 4.806e-004 | 6.500000 | 6.900000 | 1.842100 | 0.000000 |
| 0.000000 | Exponential | 0.020830 | Activity | 4.438e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020830 | Activity | 6.763e-004 | 6.500000 | 6.700000 | 1.842100 | 0.000000 |
| 0.000000 | Exponential | 0.020830 | Activity | 6.647e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020400 | Area | -- | -- | -- | -- | -- | -- | -4.153100 |
| 1.020400 | 0.240000 | | | | | | | |
| 1.020400 | Area | -- | -- | -- | -- | -- | -- | -4.153100 |
| 1.020400 | 0.240000 | | | | | | | |
| 1.020400 | Area | -- | -- | -- | -- | -- | -- | -4.153100 |
| 1.020400 | 0.240000 | | | | | | | |
| 1.020400 | Area | -- | -- | -- | -- | -- | -- | -4.153100 |
| 1.020400 | 0.240000 | | | | | | | |
| 1.020400 | Area | -- | -- | -- | -- | -- | -- | -4.153100 |
| 1.020400 | 0.240000 | | | | | | | |
| 1.020400 | Area | -- | -- | -- | -- | -- | -- | -4.153100 |
| 1.020400 | 0.240000 | | | | | | | |
| 1.020400 | Area | -- | -- | -- | -- | -- | -- | -4.153100 |
| 1.020400 | 0.240000 | | | | | | | |
| 1.020400 | Area | -- | -- | -- | -- | -- | -- | -4.153100 |
| 1.020400 | 0.240000 | | | | | | | |
| 1.020400 | Area | -- | -- | -- | -- | -- | -- | -4.153100 |
| 1.020400 | 0.240000 | | | | | | | |
| 1.020400 | Area | -- | -- | -- | -- | -- | -- | -4.153100 |
| 1.020400 | 0.240000 | | | | | | | |
| 1.020400 | Area | -- | -- | -- | -- | -- | -- | -4.153100 |
| 1.020400 | 0.240000 | | | | | | | |
| 1.020400 | Area | -- | -- | -- | -- | -- | -- | -4.153100 |
| 1.020400 | 0.240000 | | | | | | | |
| 1.020400 | Area | -- | -- | -- | -- | -- | -- | -4.153100 |
| 1.020400 | 0.240000 | | | | | | | |
| 1.020400 | Area | -- | -- | -- | -- | -- | -- | -4.153100 |
| 1.020400 | 0.240000 | | | | | | | |
| 1.020400 | Area | -- | -- | -- | -- | -- | -- | -4.153100 |
| 1.020400 | 0.240000 | | | | | | | |
| 1.020400 | Area | -- | -- | -- | -- | -- | -- | -4.153100 |
| 1.020400 | 0.240000 | | | | | | | |

Trace Coordinates:
 Latitude Longitude
 34.4298 -119.8977
 34.4248 -119.8688
 34.4336 -119.8071
 34.4336 -119.7857

34.4411 -119.7506
 34.4424 -119.7430
 34.4499 -119.6914
 34.4411 -119.6110
 34.4311 -119.5104
 34.4273 -119.4714
 34.4160 -119.4261
 34.4235 -119.3456
 34.4298 -119.2878
 34.4499 -119.2023
 34.4701 -119.1658

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: North Channel
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.50000000
 Deterministic Magnitude: 6.8

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 26 | 1.1 | 1.101 | 4.607 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.16667 | Activity | 5.550e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.120000 | Normal | 0.166670 | Activity | 1.107e-003 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| 0.000000 | Exponential | 0.041665 | Activity | 1.005e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 9.625e-004 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 1.416e-003 | 6.500000 | 6.600000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 1.414e-003 | 6.500000 | 6.600000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 5.550e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.120000 | Normal | 0.166670 | Activity | 1.107e-003 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| 0.000000 | Exponential | 0.041665 | Activity | 1.005e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 9.625e-004 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |

```

0.000000 0.000000 0.000000
    Exponential 0.041665 Activity 1.416e-003 6.500000 6.600000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.041665 Activity 1.414e-003 6.500000 6.600000 0.000000 0.000000
0.000000 0.000000 0.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.3188 | -119.4251 |
| 34.3013 | -119.4755 |
| 34.2974 | -119.5097 |
| 34.3002 | -119.5593 |
| 34.2981 | -119.6047 |
| 34.2940 | -119.6437 |
| 34.3111 | -119.7172 |
| 34.3336 | -119.7885 |
| 34.3537 | -119.9095 |
| 34.3914 | -119.9346 |

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: North Frontal (West)

Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1.00000000
 Deterministic Magnitude: 7.2

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 49 | 0 | 0.001 | 15.85 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.041665 | Activity | 3.702e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.041665 | Activity | 5.229e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.355e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.061e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.604e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.339e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 3.702e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.083335 | Activity | 5.229e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.355e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.061e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.604e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.339e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 3.702e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.083335 | Activity | 5.229e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.355e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.061e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.604e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.339e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 3.702e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.083335 | Activity | 5.229e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.355e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |

```

0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.061e-003 6.500000 7.200000 0.000000 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.604e-003 6.500000 7.100000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.339e-003 6.500000 7.100000 0.000000 0.000000
0.000000 0.000000 0.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Area -- -- -- -- -- -- -4.153061
 1.020408 0.240000

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.3169 | -117.2691 |
| 34.3452 | -117.2266 |
| 34.3707 | -117.2238 |
| 34.3707 | -117.2011 |
| 34.4047 | -117.2011 |
| 34.4387 | -117.1672 |
| 34.4443 | -117.1445 |
| 34.4415 | -117.1077 |
| 34.4217 | -117.0596 |
| 34.3962 | -117.0030 |
| 34.3820 | -116.9888 |
| 34.3650 | -116.9379 |
| 34.3707 | -116.8501 |

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Northridge
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1.00000000
 Deterministic Magnitude: 6.9

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 35 | 7.4 | 7.401 | 16.58 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 8.199e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | Normal | 0.010000 | Activity | 1.636e-003 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.769e-003 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 1.634e-003 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 2.489e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 2.446e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |

| | | | | | | | | |
|----------|-------------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.083335 | Activity | 8.199e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.083335 | Activity | 1.636e-003 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 1.769e-003 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 1.634e-003 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 2.489e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 2.446e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Normal | 0.083335 | Activity | 8.199e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.083335 | Activity | 1.636e-003 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 1.769e-003 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 1.634e-003 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 2.489e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 2.446e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Normal | 0.083335 | Activity | 8.199e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.083335 | Activity | 1.636e-003 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 1.769e-003 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 1.634e-003 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 2.489e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 2.446e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

```

1.020408 0.240000
          Area          --          --          --          --          --          -- -4.153061
1.020408 0.240000
          Area          --          --          --          --          --          -- -4.153061
1.020408 0.240000
          Area          --          --          --          --          --          -- -4.153061
1.020408 0.240000
          Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--          --
          Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--          --
          Area          --          --          --          --          --          -- -4.153061
1.020408 0.240000
          Area          --          --          --          --          --          -- -4.153061
1.020408 0.240000
          Area          --          --          --          --          --          -- -4.153061
1.020408 0.240000
          Area          --          --          --          --          --          -- -4.153061
1.020408 0.240000
          Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--          --
          Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--          --
          Area          --          --          --          --          --          -- -4.153061
1.020408 0.240000
          Area          --          --          --          --          --          -- -4.153061
1.020408 0.240000
          Area          --          --          --          --          --          -- -4.153061
1.020408 0.240000
          Area          --          --          --          --          --          -- -4.153061
1.020408 0.240000
    
```

Trace Coordinates:

```

Latitude Longitude
34.4172 -118.7120
34.4040 -118.6340
34.3837 -118.5960
34.3541 -118.5450
34.3421 -118.4780
34.3282 -118.4240
34.3097 -118.3780
    
```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

```

Name: Oak Ridge (Offshore)
Region: USGS 2008 California
Category: Fault
Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
\USGS 2008 Lower 48.bin-ssdb
Fault Mechanism: Reverse
    
```

Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.25000000
 Deterministic Magnitude: 7

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 32 | 0 | 0.001 | 7.949 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.33334 | Activity | 1.201e-003 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | Normal | 0.333340 | Activity | 3.386e-003 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.000000 | Exponential | 0.083330 | Activity | 3.089e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083330 | Activity | 2.725e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.083330 | Activity | 5.151e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083330 | Activity | 5.063e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.2523 | -119.6780 |
| 34.2614 | -119.6060 |
| 34.2504 | -119.5150 |
| 34.2338 | -119.4320 |
| 34.2315 | -119.3510 |
| 34.2515 | -119.2730 |

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Oak Ridge (Onshore)
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.75000000
 Deterministic Magnitude: 7.2

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 65 | 1 | 1.001 | 19.13 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.0555533 | Activity | 1.422e-003 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.0555533 | Activity | 2.008e-003 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.000000 | Exponential | 0.0555557 | Activity | 5.205e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.0555557 | Activity | 4.075e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.0555557 | Activity | 6.160e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.0555557 | Activity | 5.142e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.111113 | Activity | 1.422e-003 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.111113 | Activity | 2.008e-003 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.000000 | Exponential | 0.027777 | Activity | 5.205e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.027777 | Activity | 4.075e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.027777 | Activity | 6.160e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.027777 | Activity | 5.142e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.111113 | Activity | 1.422e-003 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.111113 | Activity | 2.008e-003 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.000000 | Exponential | 0.027777 | Activity | 5.205e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.027777 | Activity | 4.075e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.027777 | Activity | 6.160e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.027777 | Activity | 5.142e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----|----|------|----|----|------|----|
|----------------------|----|----|------|----|----|------|----|

| Ba | Sigw | | | | | | | |
|----------|----------|------------------|----------|----------|----------|----------|----------|-----------|
| -- | -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 |
| -- | -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 |
| -- | -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 |
| -- | -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.2481 | -119.2050 |
| 34.2631 | -119.1582 |
| 34.3165 | -119.0974 |
| 34.3522 | -119.0402 |
| 34.3631 | -118.9589 |
| 34.3813 | -118.8805 |
| 34.3850 | -118.8104 |
| 34.4013 | -118.7742 |
| 34.3978 | -118.7227 |

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Oak Ridge Connected
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.2500000
 Deterministic Magnitude: 7.4

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 53.1 | 0.6 | 0.601 | 14.99 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.33334 | Activity | 1.014e-003 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |
| 0.120000 | Normal | 0.33334 | Activity | 1.433e-003 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.000000 | Exponential | 0.083330 | Activity | 5.297e-003 | 6.500000 | 7.400000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083330 | Activity | 3.564e-003 | 6.500000 | 7.400000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.083330 | Activity | 6.263e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083330 | Activity | 4.563e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.2523 | -119.6780 |
| 34.2614 | -119.6060 |
| 34.2504 | -119.5150 |
| 34.2338 | -119.4320 |
| 34.2315 | -119.3510 |
| 34.2515 | -119.2730 |
| 34.2481 | -119.2050 |

34.2631 -119.1582
 34.3165 -119.0974
 34.3522 -119.0402
 34.3631 -118.9589
 34.3813 -118.8805
 34.3850 -118.8104
 34.4013 -118.7742
 34.3978 -118.7227

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Palos Verdes
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.50000000
 Deterministic Magnitude: 7.3

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 14 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.083333 | Activity | 1.016e-003 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.120000 | Normal | 0.083333 | Activity | 1.435e-003 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.000000 | Exponential | 0.083335 | Activity | 4.442e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 3.236e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 5.254e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 4.114e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 1.016e-003 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.120000 | Normal | 0.166670 | Activity | 1.435e-003 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.000000 | Exponential | 0.041665 | Activity | 4.442e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 3.236e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 5.254e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |

Exponential 0.041665 Activity 4.114e-003 6.500000 7.200000 0.000000 0.000000
 0.000000 0.000000 0.000000

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.2798 | -117.9170 |
| 33.3184 | -117.9430 |
| 33.3546 | -117.9860 |
| 33.4428 | -118.0600 |
| 33.4816 | -118.0800 |
| 33.5449 | -118.1190 |
| 33.5835 | -118.1460 |
| 33.6919 | -118.2330 |
| 33.7472 | -118.2540 |
| 33.7895 | -118.3340 |
| 33.8175 | -118.4000 |
| 33.8637 | -118.4390 |
| 33.9021 | -118.4960 |
| 33.9702 | -118.5570 |

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Palos Verdes Connected
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.5000000
 Deterministic Magnitude: 7.7

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 10 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.16667 | Activity | 5.586e-004 | 7.460000 | 7.940000 | 2.300000 | 7.700000 |
| 0.120000 | Normal | 0.166670 | Activity | 5.586e-004 | 7.460000 | 7.940000 | 2.300000 | 7.700000 |
| 0.000000 | Exponential | 0.041665 | Activity | 4.991e-003 | 6.500000 | 7.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 2.540e-003 | 6.500000 | 7.700000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 4.991e-003 | 6.500000 | 7.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 2.540e-003 | 6.500000 | 7.700000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 5.586e-004 | 7.460000 | 7.940000 | 2.300000 | 7.700000 |
| 0.120000 | Normal | 0.166670 | Activity | 5.586e-004 | 7.460000 | 7.940000 | 2.300000 | 7.700000 |
| 0.000000 | Exponential | 0.041665 | Activity | 4.991e-003 | 6.500000 | 7.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 2.540e-003 | 6.500000 | 7.700000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 4.991e-003 | 6.500000 | 7.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 2.540e-003 | 6.500000 | 7.700000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |

```

        Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
        Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
                Area      --      --      --      --      --      -- -4.153061
1.020408  0.240000
                Area      --      --      --      --      --      -- -4.153061
1.020408  0.240000
                Area      --      --      --      --      --      -- -4.153061
1.020408  0.240000
                Area      --      --      --      --      --      -- -4.153061
1.020408  0.240000
    
```

Trace Coordinates:

```

Latitude  Longitude
33.9702   -118.5570
33.9021   -118.4960
33.8637   -118.4390
33.8175   -118.4000
33.7895   -118.3340
33.7472   -118.2540
33.6919   -118.2330
33.5835   -118.1460
33.5449   -118.1190
33.4816   -118.0800
33.4428   -118.0600
33.3546   -117.9860
33.3184   -117.9430
33.2798   -117.9170
33.2066   -117.8380
33.0732   -117.7420
33.0269   -117.6870
32.9520   -117.6160
32.9251   -117.5740
32.8655   -117.5200
32.8085   -117.5070
32.7524   -117.4670
32.7235   -117.4330
32.6786   -117.4130
32.6238   -117.3440
32.5940   -117.3150
32.5519   -117.2980
32.4949   -117.2660
31.8900   -116.8400
    
```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Pitas Point (Lower)-Montalvo
 Region: USGS 2008 California
 Category:Fault

Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.50000000
 Deterministic Magnitude: 7.3

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 16 | 0.4 | 0.401 | 12.8 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.083333 | Activity | 8.476e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.120000 | Normal | 0.083333 | Activity | 1.197e-003 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.000000 | Exponential | 0.083335 | Activity | 3.705e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 2.699e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 4.382e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 3.431e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 8.476e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.120000 | Normal | 0.166670 | Activity | 1.197e-003 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.000000 | Exponential | 0.041665 | Activity | 3.705e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 2.699e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 4.382e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 3.431e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

```
--      --
1.020408 0.240000 Area -- -- -- -- -- -4.153061
1.020408 0.240000 Area -- -- -- -- -- -4.153061
1.020408 0.240000 Area -- -- -- -- -- -4.153061
1.020408 0.240000 Area -- -- -- -- -- -4.153061
```

Trace Coordinates:

```
Latitude Longitude
34.1716 -119.4775
34.1545 -119.5721
34.1503 -119.6394
34.1555 -119.6834
34.1679 -119.8025
```

Attenuation Equations for Source:

```
Raw Weight Normalized Weight Name
1 0.250000 Abrahamson-Silva (2008) NGA
1 0.250000 Boore-Atkinson (2008) NGA
1 0.250000 Campbell-Bozorgnia (2008) NGA
1 0.250000 Chiou-Youngs (2008) NGA
```

```
Name: Pitas Point (Lower, West)
Region: USGS 2008 California
Category: Fault
Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
\USGS 2008 Lower 48.bin-ssdb
Fault Mechanism: Reverse
Magnitude Scale: Moment Magnitude
Probability of Activity: 0.50000000
Deterministic Magnitude: 7.3
```

Fault Profile Parameters:

```
Dip1 Dip2 Depth1 Depth2 Depth3
90 13 1.5 1.501 8.698
```

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.08333 | Activity | 7.081e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.120000 | Normal | 0.083330 | Activity | 1.413e-003 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.000000 | Exponential | 0.083335 | Activity | 3.095e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 2.255e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 4.334e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 3.617e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Normal | 0.166670 | Activity | 7.081e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |

```

0.120000 0.010000 10.000000
      Normal 0.166670 Activity 1.413e-003 6.860000 7.340000 2.300000 7.100000
0.120000 0.010000 10.000000
      Exponential 0.041665 Activity 3.095e-003 6.500000 7.300000 1.842068 0.000000
0.000000 0.000000 0.000000
      Exponential 0.041665 Activity 2.255e-003 6.500000 7.300000 0.000000 0.000000
0.000000 0.000000 0.000000
      Exponential 0.041665 Activity 4.334e-003 6.500000 7.100000 1.842068 0.000000
0.000000 0.000000 0.000000
      Exponential 0.041665 Activity 3.617e-003 6.500000 7.100000 0.000000 0.000000
0.000000 0.000000 0.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.2338 | -119.7757 |
| 34.2654 | -119.8320 |
| 34.2877 | -119.9117 |
| 34.3044 | -119.9784 |
| 34.2755 | -120.0602 |
| 34.2488 | -120.1194 |

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Pitas Point (Upper)
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.25000000
 Deterministic Magnitude: 6.9

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 42 | 1.4 | 1.401 | 10.1 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.33334 | Activity | 4.492e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | Normal | 0.333340 | Activity | 1.266e-003 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| 0.000000 | Exponential | 0.083330 | Activity | 9.691e-004 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083330 | Activity | 8.949e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.083330 | Activity | 1.619e-003 | 6.500000 | 6.600000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083330 | Activity | 1.617e-003 | 6.500000 | 6.600000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.2919 | -119.5895 |
| 34.3024 | -119.6884 |
| 34.3111 | -119.7172 |
| 34.3167 | -119.7447 |
| 34.3345 | -119.8394 |
| 34.3434 | -119.9011 |
| 34.3694 | -119.9548 |

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Pitas Point Connected
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.25000000
 Deterministic Magnitude: 7.3

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 55.3 | 1.2 | 1.201 | 12.71 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Delta1 | Weight | Delta2 | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.010000 | 0.33334 | 10.000000 | Activity | 2.842e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.120000 | Normal | 0.010000 | 0.333340 | 10.000000 | Activity | 5.670e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.000000 | Exponential | 0.000000 | 0.083330 | 0.000000 | Activity | 1.242e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | 0.083330 | 0.000000 | Activity | 9.049e-004 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | 0.083330 | 0.000000 | Activity | 1.739e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | 0.083330 | 0.000000 | Activity | 1.451e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

Latitude Longitude

34.3435 -119.1410
 34.2910 -119.2240
 34.2874 -119.3030
 34.3077 -119.4130
 34.3027 -119.4630
 34.2919 -119.5895
 34.3024 -119.6884
 34.3111 -119.7172
 34.3167 -119.7447
 34.3345 -119.8394
 34.3434 -119.9011
 34.3694 -119.9548

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Pleito
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1.00000000
 Deterministic Magnitude: 7.1

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 46 | 0 | 0.001 | 13.67 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 8.261e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 0.010000 | Activity | 1.167e-003 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | Normal | 0.010000 | Activity | 1.167e-003 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 2.534e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 2.115e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 3.001e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 2.647e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 8.261e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 0.083335 | Activity | 1.167e-003 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | Normal | 0.010000 | Activity | 1.167e-003 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.534e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |

| | | | | | | | |
|-------------|----------|----------|------------|----------|----------|----------|----------|
| Exponential | 0.020833 | Activity | 2.115e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 3.001e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 2.647e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Normal | 0.083335 | Activity | 8.261e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | 0.010000 | | | | | | |
| Normal | 0.083335 | Activity | 1.167e-003 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | 0.010000 | | | | | | |
| Exponential | 0.020833 | Activity | 2.534e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 2.115e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 3.001e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 2.647e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Normal | 0.083335 | Activity | 8.261e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | 0.010000 | | | | | | |
| Normal | 0.083335 | Activity | 1.167e-003 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | 0.010000 | | | | | | |
| Exponential | 0.020833 | Activity | 2.534e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 2.115e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 3.001e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 2.647e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |

```

1.020408 0.240000
  Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
  Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
  Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
  Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000

```

Trace Coordinates:

```

Latitude Longitude
34.9415 -119.2959
34.9562 -119.2371
34.9556 -119.2062
34.9869 -119.1282
35.0071 -119.0809
35.0075 -119.0505
34.9917 -119.0361
34.9783 -119.0129
34.9684 -118.9941
34.9439 -118.9795
34.9350 -118.9687
34.9315 -118.9486
34.9327 -118.9278
34.9391 -118.9107
34.9350 -118.8790

```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Puente Hills
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files

\USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.50000000
 Deterministic Magnitude: 7.1

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 25 | 5 | 5.001 | 13.03 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.083333 | Activity | 2.933e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 0.083330 | Activity | 4.143e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 8.996e-004 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 7.508e-004 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 1.065e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 9.397e-004 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 2.933e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 0.166670 | Activity | 4.143e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 8.996e-004 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 7.508e-004 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 1.065e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 9.397e-004 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

```

                Area      --      --      --      --      --      --      --      -4.153061
1.020408  0.240000
                Area      --      --      --      --      --      --      --      -4.153061
1.020408  0.240000
                Area      --      --      --      --      --      --      --      -4.153061
1.020408  0.240000
                Area      --      --      --      --      --      --      --      -4.153061
1.020408  0.240000
    
```

Trace Coordinates:

```

Latitude  Longitude
  33.9269  -117.8673
  33.9315  -118.0432
  33.9541  -118.1435
  34.0586  -118.2976
    
```

Attenuation Equations for Source:

```

Raw Weight  Normalized Weight  Name
      1         0.250000    Abrahamson-Silva (2008) NGA
      1         0.250000    Boore-Atkinson (2008) NGA
      1         0.250000    Campbell-Bozorgnia (2008) NGA
      1         0.250000    Chiou-Youngs (2008) NGA
    
```

Name: Puente Hills (Coyote Hills)

Region: USGS 2008 California

Category: Fault

Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb

Fault Mechanism: Reverse

Magnitude Scale: Moment Magnitude

Probability of Activity: 0.50000000

Deterministic Magnitude: 6.9

Fault Profile Parameters:

```

Dipl    Dip2    Depth1    Depth2    Depth3
   90      26      2.8      2.801     14.64
    
```

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.16667 | Activity | 3.273e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | Normal | 0.166670 | Activity | 9.225e-004 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| 0.000000 | Exponential | 0.041665 | Activity | 7.061e-004 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 6.521e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 1.180e-003 | 6.500000 | 6.600000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 1.178e-003 | 6.500000 | 6.600000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 3.273e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | Normal | 0.166670 | Activity | 9.225e-004 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |

```

0.120000 0.010000 10.000000
    Exponential 0.041665 Activity 7.061e-004 6.500000 6.900000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.041665 Activity 6.521e-004 6.500000 6.900000 0.000000 0.000000
0.000000 0.000000 0.000000
    Exponential 0.041665 Activity 1.180e-003 6.500000 6.600000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.041665 Activity 1.178e-003 6.500000 6.600000 0.000000 0.000000
0.000000 0.000000 0.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.8977 | -117.8673 |
| 33.8715 | -117.9206 |
| 33.8741 | -117.9664 |
| 33.8928 | -118.0435 |

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Puente Hills (LA)
 Region: USGS 2008 California
 Category: Fault

Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.50000000
 Deterministic Magnitude: 7

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 27 | 2.1 | 2.101 | 14.81 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.16667 | Activity | 3.084e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 6.153e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.000000 | Exponential | 0.041665 | Activity | 7.930e-004 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 6.994e-004 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 1.114e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 1.067e-003 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 3.084e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 6.153e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.000000 | Exponential | 0.041665 | Activity | 7.930e-004 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 6.994e-004 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 1.114e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 1.067e-003 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

```
--      --
1.020408 0.240000 Area -- -- -- -- -- -4.153061
1.020408 0.240000 Area -- -- -- -- -- -4.153061
1.020408 0.240000 Area -- -- -- -- -- -4.153061
1.020408 0.240000 Area -- -- -- -- -- -4.153061
```

Trace Coordinates:
 Latitude Longitude
 33.9690 -118.1260
 33.9579 -118.2006
 34.0326 -118.3350

Attenuation Equations for Source:
 Raw Weight Normalized Weight Name
 1 0.250000 Abrahamson-Silva (2008) NGA
 1 0.250000 Boore-Atkinson (2008) NGA
 1 0.250000 Campbell-Bozorgnia (2008) NGA
 1 0.250000 Chiou-Youngs (2008) NGA

Name: Puente Hills (Santa Fe Springs)
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.50000000
 Deterministic Magnitude: 6.7

Fault Profile Parameters:
 Dipl Dip2 Depth1 Depth2 Depth3
 90 29 2.8 2.801 14.92

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|----------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.16667 | Activity | 4.024e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.166670 | Activity | 1.134e-003 | 6.160000 | 6.640000 | 2.300000 | 6.400000 |
| 0.000000 | Exponential | 0.041665 | Activity | 6.122e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 6.018e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.083330 | Activity | 1.219e-003 | 6.399000 | 6.401000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 4.024e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.166670 | Activity | 1.134e-003 | 6.160000 | 6.640000 | 2.300000 | 6.400000 |
| 0.120000 | Exponential | 0.041665 | Activity | 6.122e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |

0.000000 0.000000 0.000000
 Exponential 0.041665 Activity 6.018e-004 6.500000 6.700000 0.000000 0.000000
 0.000000 0.000000 0.000000
 Characteristic 0.083330 Activity 1.219e-003 6.399000 6.401000 2.300000 0.000000
 0.000000 0.010000 10.000000

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.9311 | -118.0178 |
| 33.9157 | -118.0790 |
| 33.9071 | -118.1383 |

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Raymond

Region: USGS 2008 California

Category: Fault

Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files\USGS 2008 Lower 48.bin-ssdb

Fault Mechanism: Reverse

Magnitude Scale: Moment Magnitude

Probability of Activity: 1.00000000

Deterministic Magnitude: 6.8

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| | | | | |

| Magnitude Recurrence Distributions: | | | | | | | | |
|-------------------------------------|---------------------|------------------|----------|------------|----------|----------|----------|----------|
| Sigma | ModelType Delta1 | Weight Delta2 | RateType | Rate | MinMag | MaxMag | Beta | Mean |
| 0.120000 | Normal | 0.041665 | Activity | 7.572e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.120000 | Normal | 0.041665 | Activity | 2.134e-003 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.371e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.313e-003 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.083335 | Activity | 2.293e-003 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 7.572e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.134e-003 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.371e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.313e-003 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.041665 | Activity | 2.293e-003 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 7.572e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.134e-003 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.371e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.313e-003 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.041665 | Activity | 2.293e-003 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 7.572e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.134e-003 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.371e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.313e-003 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.041665 | Activity | 2.293e-003 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.000000 | Characteristic | 0.041665 | Activity | 2.293e-003 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |

| Rupture Length Parameters | | | | | | | | |
|---------------------------|------------------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Rupture Dimensioning Sigw | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

```

--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Area              --          --          --          --          --          -- -4.153061
1.020408  0.240000
--      Area              --          --          --          --          --          -- -4.153061
1.020408  0.240000
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Area              --          --          --          --          --          -- -4.153061
1.020408  0.240000
--      Area              --          --          --          --          --          -- -4.153061
1.020408  0.240000
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Area              --          --          --          --          --          -- -4.153061
1.020408  0.240000
--      Area              --          --          --          --          --          -- -4.153061
1.020408  0.240000
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
    
```

Trace Coordinates:

```

Latitude Longitude
34.1630 -117.9901
34.1609 -118.0025
34.1555 -118.0150
34.1507 -118.0292
34.1409 -118.0493
34.1391 -118.0575
34.1296 -118.0805
34.1229 -118.1151
34.1213 -118.1231
34.1183 -118.1290
34.1217 -118.2230
    
```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Red Mountain

Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1.00000000
 Deterministic Magnitude: 7.4

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 56 | 0 | 0.001 | 14.09 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 6.083e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |
| 0.120000 | Normal | 0.041665 | Activity | 6.083e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |
| 0.000000 | Exponential | 0.041668 | Activity | 3.177e-003 | 6.500000 | 7.400000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 2.137e-003 | 6.500000 | 7.400000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 3.177e-003 | 6.500000 | 7.400000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 2.137e-003 | 6.500000 | 7.400000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 6.083e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |
| 0.120000 | Normal | 0.083335 | Activity | 6.083e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |
| 0.000000 | Exponential | 0.020833 | Activity | 3.177e-003 | 6.500000 | 7.400000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.137e-003 | 6.500000 | 7.400000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 3.177e-003 | 6.500000 | 7.400000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.137e-003 | 6.500000 | 7.400000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 6.083e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |
| 0.120000 | Normal | 0.083335 | Activity | 6.083e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |
| 0.000000 | Exponential | 0.020833 | Activity | 3.177e-003 | 6.500000 | 7.400000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.137e-003 | 6.500000 | 7.400000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 3.177e-003 | 6.500000 | 7.400000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.137e-003 | 6.500000 | 7.400000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 6.083e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |
| 0.120000 | Normal | 0.083335 | Activity | 6.083e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |
| 0.000000 | Exponential | 0.020833 | Activity | 3.177e-003 | 6.500000 | 7.400000 | 1.842068 | 0.000000 |

```

0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 2.137e-003 6.500000 7.400000 0.000000 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 3.177e-003 6.500000 7.400000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 2.137e-003 6.500000 7.400000 0.000000 0.000000
0.000000 0.000000 0.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Area -- -- -- -- -- -- -4.153061
 1.020408 0.240000

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.3386 | -119.3040 |
| 34.3370 | -119.3800 |
| 34.3560 | -119.4240 |
| 34.3573 | -119.4700 |
| 34.3572 | -119.5310 |
| 34.3582 | -119.6310 |
| 34.3617 | -119.7490 |
| 34.3822 | -119.8610 |
| 34.3991 | -119.9390 |
| 34.3573 | -120.3860 |

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Rinconada

Region: USGS 2008 California

Category: Fault

Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb

Fault Mechanism: Strike Slip

Magnitude Scale: Moment Magnitude

Probability of Activity: 1.00000000

Deterministic Magnitude: 7.5

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 10 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 2.403e-004 | 7.260000 | 7.740000 | 2.300000 | 7.500000 |
| 0.120000 | Normal | 0.041665 | Activity | 3.394e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.500e-003 | 6.500000 | 7.500000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 9.253e-004 | 6.500000 | 7.500000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.772e-003 | 6.500000 | 7.400000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.192e-003 | 6.500000 | 7.400000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.403e-004 | 7.260000 | 7.740000 | 2.300000 | 7.500000 |
| 0.120000 | Normal | 0.083335 | Activity | 3.394e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |


```

0.120000 0.010000 10.000000
    Exponential 0.020833 Activity 1.500e-003 6.500000 7.500000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 9.253e-004 6.500000 7.500000 0.000000 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.772e-003 6.500000 7.400000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.192e-003 6.500000 7.400000 0.000000 0.000000
0.000000 0.000000 0.000000
    Normal 0.083335 Activity 2.403e-004 7.260000 7.740000 2.300000 7.500000
0.120000 0.010000 10.000000
    Normal 0.083335 Activity 3.394e-004 7.160000 7.640000 2.300000 7.400000
0.120000 0.010000 10.000000
    Exponential 0.020833 Activity 1.500e-003 6.500000 7.500000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 9.253e-004 6.500000 7.500000 0.000000 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.772e-003 6.500000 7.400000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.192e-003 6.500000 7.400000 0.000000 0.000000
0.000000 0.000000 0.000000
    Normal 0.083335 Activity 2.403e-004 7.260000 7.740000 2.300000 7.500000
0.120000 0.010000 10.000000
    Normal 0.083335 Activity 3.394e-004 7.160000 7.640000 2.300000 7.400000
0.120000 0.010000 10.000000
    Exponential 0.020833 Activity 1.500e-003 6.500000 7.500000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 9.253e-004 6.500000 7.500000 0.000000 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.772e-003 6.500000 7.400000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.192e-003 6.500000 7.400000 0.000000 0.000000
0.000000 0.000000 0.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |

```

        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
    
```

Trace Coordinates:

```

Latitude Longitude
36.6752 -121.7565
36.4520 -121.4629
35.6109 -120.7024
35.4455 -120.6620
35.4022 -120.6150
35.3530 -120.5830
35.3112 -120.5170
    
```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

```

Name: San Cayetano
Region: USGS 2008 California
Category: Fault
Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
\USGS 2008 Lower 48.bin-ssdb
Fault Mechanism: Reverse
Magnitude Scale: Moment Magnitude
Probability of Activity: 1.00000000
Deterministic Magnitude: 7.2
    
```

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 42 | 0 | 0.001 | 16.06 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 2.140e-003 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.010000 | Activity | 3.023e-003 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 10.000000 | Activity | 7.835e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 6.135e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 9.274e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 7.740e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 2.140e-003 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.083335 | Activity | 3.023e-003 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 10.000000 | Activity | 7.835e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 6.135e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 9.274e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 7.740e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 2.140e-003 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.083335 | Activity | 3.023e-003 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 10.000000 | Activity | 7.835e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 6.135e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 9.274e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 7.740e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 2.140e-003 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.083335 | Activity | 3.023e-003 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 10.000000 | Activity | 7.835e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 6.135e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 9.274e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 7.740e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 2.140e-003 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.083335 | Activity | 3.023e-003 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 10.000000 | Activity | 7.835e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 6.135e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 9.274e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 7.740e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 2.140e-003 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.4361 | -118.7620 |
| 34.4047 | -118.8310 |
| 34.4021 | -118.8650 |

34.4173 -118.9130
 34.4270 -118.9239
 34.4495 -118.9279
 34.4484 -118.9436
 34.4221 -118.9769
 34.4218 -119.0075
 34.4229 -119.0367
 34.4357 -119.0818
 34.4329 -119.1038
 34.4500 -119.1591

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: San Gabriel
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1.00000000
 Deterministic Magnitude: 7.3

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 61 | 0 | 0.001 | 14.87 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 3.012e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.120000 | Normal | 0.010000 | Activity | 4.255e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.041665 | Activity | 3.012e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.120000 | Normal | 0.010000 | Activity | 4.255e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.317e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 9.592e-004 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.317e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 9.592e-004 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.317e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 9.592e-004 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 3.012e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.120000 | Normal | 0.010000 | Activity | 4.255e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.083335 | Activity | 3.012e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.120000 | Normal | 0.010000 | Activity | 4.255e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.317e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 9.592e-004 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.317e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 9.592e-004 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |

| | | | | | | | |
|-------------|----------|-----------|------------|----------|----------|----------|----------|
| Exponential | 0.020833 | Activity | 1.557e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.020833 | Activity | 1.219e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Normal | 0.083335 | Activity | 3.012e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | |
| Normal | 0.083335 | Activity | 4.255e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | |
| Exponential | 0.020833 | Activity | 1.317e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.020833 | Activity | 9.592e-004 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.020833 | Activity | 1.557e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.020833 | Activity | 1.219e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Normal | 0.083335 | Activity | 3.012e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | |
| Normal | 0.083335 | Activity | 4.255e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | |
| Exponential | 0.020833 | Activity | 1.317e-003 | 6.500000 | 7.300000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.020833 | Activity | 9.592e-004 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.020833 | Activity | 1.557e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.020833 | Activity | 1.219e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

```

--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
    
```

Trace Coordinates:

```

Latitude  Longitude
34.3178   -118.2800
34.3311   -118.3010
34.3705   -118.4280
34.3947   -118.4890
34.4363   -118.5610
34.5142   -118.6440
34.5606   -118.6960
34.6203   -118.7720
34.6621   -118.8160
34.7140   -118.8750
    
```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

```

Name: San Joaquin Hills
Region: USGS 2008 California
Category: Fault
Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
\USGS 2008 Lower 48.bin-ssdb
Fault Mechanism: Reverse
Magnitude Scale: Moment Magnitude
Probability of Activity: 1.00000000
Deterministic Magnitude: 7.1
    
```

Fault Profile Parameters:

Dip1 Dip2 Depth1 Depth2 Depth3
 90 23 2 2.001 12.55

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 1.830e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 0.041665 | Activity | 3.652e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.000000 | Exponential | 0.041668 | Activity | 5.614e-004 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 4.686e-004 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 7.879e-004 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 7.276e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 1.830e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 0.083335 | Activity | 3.652e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.000000 | Exponential | 0.020833 | Activity | 5.614e-004 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 4.686e-004 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 7.879e-004 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 7.276e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 1.830e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 0.083335 | Activity | 3.652e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.000000 | Exponential | 0.020833 | Activity | 5.614e-004 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 4.686e-004 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 7.879e-004 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 7.276e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 1.830e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 0.083335 | Activity | 3.652e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.000000 | Exponential | 0.020833 | Activity | 5.614e-004 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 4.686e-004 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 7.879e-004 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 7.276e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |

Rupture Length Parameters

Rupture Dimensioning A1 B1 Sig1 Aw Bw Sigw Aa

| Ba | Sigw | | | | | | | |
|----------|----------|------------------|----------|----------|----------|----------|----------|--------------|
| -- | -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 |
| -- | -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- -4.153061 |
| 1.020408 | 0.240000 | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 |
| -- | -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- -4.153061 |
| 1.020408 | 0.240000 | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 |
| -- | -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- -4.153061 |
| 1.020408 | 0.240000 | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 |
| -- | -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- -4.153061 |

Trace Coordinates:
 Latitude Longitude
 33.6950 -117.9330
 33.6880 -117.8230
 33.6470 -117.7360
 33.5970 -117.6740

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: San Jose
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1.00000000
 Deterministic Magnitude: 6.7

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 74 | 0 | 0.001 | 15.38 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Delta1 | Weight | Delta2 | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|----------------|----------|----------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.010000 | 0.041665 | 10.000000 | Activity | 3.221e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.010000 | 0.041665 | 10.000000 | Activity | 6.427e-004 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.000000 | Exponential | 0.000000 | 0.041668 | 10.000000 | Activity | 4.901e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | 0.041668 | 10.000000 | Activity | 4.817e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.010000 | 0.083335 | 10.000000 | Activity | 6.906e-004 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.010000 | 0.083335 | 10.000000 | Activity | 3.221e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.010000 | 0.083335 | 10.000000 | Activity | 6.427e-004 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.000000 | Exponential | 0.000000 | 0.020833 | 10.000000 | Activity | 4.901e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | 0.020833 | 10.000000 | Activity | 4.817e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.010000 | 0.041665 | 10.000000 | Activity | 6.906e-004 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.010000 | 0.083335 | 10.000000 | Activity | 3.221e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.010000 | 0.083335 | 10.000000 | Activity | 6.427e-004 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.000000 | Exponential | 0.000000 | 0.020833 | 10.000000 | Activity | 4.901e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | 0.020833 | 10.000000 | Activity | 4.817e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.010000 | 0.041665 | 10.000000 | Activity | 6.906e-004 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.000000 | Characteristic | 0.010000 | 0.041665 | 10.000000 | Activity | 6.906e-004 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.010000 | 0.083335 | 10.000000 | Activity | 3.221e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |

```

0.120000 0.010000 10.000000
      Normal 0.083335 Activity 6.427e-004 6.260000 6.740000 2.300000 6.500000
0.120000 0.010000 10.000000
      Exponential 0.020833 Activity 4.901e-004 6.500000 6.700000 1.842068 0.000000
0.000000 0.000000 0.000000
      Exponential 0.020833 Activity 4.817e-004 6.500000 6.700000 0.000000 0.000000
0.000000 0.000000 0.000000
      Characteristic 0.041665 Activity 6.906e-004 6.499000 6.501000 2.300000 0.000000
0.000000 0.010000 10.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:
 Latitude Longitude
 34.1141 -117.6901

34.0846 -117.7305
 34.0601 -117.8384
 34.0393 -117.8789

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: San Juan
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1.00000000
 Deterministic Magnitude: 7.1

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 13 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 4.414e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 0.010000 | Activity | 6.234e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | Normal | 0.041665 | Activity | 6.234e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.354e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 1.130e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.130e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 1.603e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.603e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 1.414e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.414e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 4.414e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 0.010000 | Activity | 6.234e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 6.234e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.354e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 1.130e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.130e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 1.603e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.603e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 1.414e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.414e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 4.414e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 0.010000 | Activity | 6.234e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 6.234e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |

```

0.120000 0.010000 10.000000
    Exponential 0.020833 Activity 1.354e-003 6.500000 7.100000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.130e-003 6.500000 7.100000 0.000000 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.603e-003 6.500000 7.000000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.414e-003 6.500000 7.000000 0.000000 0.000000
0.000000 0.000000 0.000000
    Normal 0.083335 Activity 4.414e-004 6.860000 7.340000 2.300000 7.100000
0.120000 0.010000 10.000000
    Normal 0.083335 Activity 6.234e-004 6.760000 7.240000 2.300000 7.000000
0.120000 0.010000 10.000000
    Exponential 0.020833 Activity 1.354e-003 6.500000 7.100000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.130e-003 6.500000 7.100000 0.000000 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.603e-003 6.500000 7.000000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.414e-003 6.500000 7.000000 0.000000 0.000000
0.000000 0.000000 0.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

```

        Area      --      --      --      --      --      --      --      -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      --      -4.153061
1.020408 0.240000
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
        Area      --      --      --      --      --      --      --      -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      --      -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      --      -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      --      -4.153061
1.020408 0.240000
    
```

Trace Coordinates:

```

Latitude  Longitude
35.6797   -120.2954
35.5019   -120.2292
35.3045   -120.1250
35.2825   -120.0821
35.1476   -119.9607
    
```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: San Luis Range (So Margin)

Region: USGS 2008 California

Category: Fault

Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files\USGS 2008 Lower 48.bin-ssdb

Fault Mechanism: Reverse

Magnitude Scale: Moment Magnitude

Probability of Activity: 1.00000000

Deterministic Magnitude: 7.2

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 45 | 0 | 0.001 | 9.899 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 6.401e-005 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.041665 | Activity | 1.277e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 2.343e-004 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |

| | | | | | | | |
|-------------|----------|----------|------------|----------|----------|----------|----------|
| Exponential | 0.041668 | Activity | 1.834e-004 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.041668 | Activity | 3.284e-004 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.041668 | Activity | 2.897e-004 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Normal | 0.083335 | Activity | 6.401e-005 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | 0.010000 | | | | | | |
| Normal | 0.083335 | Activity | 1.277e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | 0.010000 | | | | | | |
| Exponential | 0.020833 | Activity | 2.343e-004 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 1.834e-004 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 3.284e-004 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 2.897e-004 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Normal | 0.083335 | Activity | 6.401e-005 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | 0.010000 | | | | | | |
| Normal | 0.083335 | Activity | 1.277e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | 0.010000 | | | | | | |
| Exponential | 0.020833 | Activity | 2.343e-004 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 1.834e-004 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 3.284e-004 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 2.897e-004 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Normal | 0.083335 | Activity | 6.401e-005 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | 0.010000 | | | | | | |
| Normal | 0.083335 | Activity | 1.277e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | 0.010000 | | | | | | |
| Exponential | 0.020833 | Activity | 2.343e-004 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 1.834e-004 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 3.284e-004 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 2.897e-004 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -4.153061 |
| | | Area | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -4.153061 |
| | | Area | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -4.153061 |
| | | Area | -- | -- | -- | -- | -- | -4.153061 |

```

1.020408 0.240000
  Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
  Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
  Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
  Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
  Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
  Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000

```

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.8497 | -120.2375 |
| 34.8644 | -120.2693 |
| 34.9110 | -120.3098 |
| 34.9760 | -120.4140 |
| 35.1084 | -120.5636 |
| 35.1415 | -120.6445 |
| 35.1685 | -120.7131 |
| 35.1819 | -120.7880 |

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Santa Cruz Island
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1.00000000
 Deterministic Magnitude: 7.2

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 13 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 3.262e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.010000 | Activity | 6.509e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.194e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 9.350e-004 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.674e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 1.476e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 3.262e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.010000 | Activity | 6.509e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.194e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 9.350e-004 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.674e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 1.476e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 3.262e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.010000 | Activity | 6.509e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.194e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 9.350e-004 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.674e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 1.476e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 3.262e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.010000 | Activity | 6.509e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |

```

0.120000 0.010000 10.000000
    Exponential 0.020833 Activity 1.194e-003 6.500000 7.200000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 9.350e-004 6.500000 7.200000 0.000000 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.674e-003 6.500000 7.000000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.020833 Activity 1.476e-003 6.500000 7.000000 0.000000 0.000000
0.000000 0.000000 0.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |

```

                Area      --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
                Area      --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
    
```

Trace Coordinates:

```

Latitude  Longitude
 34.0727  -119.9940
 34.0314  -119.8740
 34.0155  -119.7780
 34.0048  -119.7250
 33.9857  -119.6120
 33.9871  -119.5150
 33.9785  -119.3470
 33.9828  -119.2600
    
```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Santa Rosa Island
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1.00000000
 Deterministic Magnitude: 6.9

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 9 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 5.007e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| | Normal | 0.041665 | Activity | 9.991e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Exponential | 0.041668 | Activity | 1.080e-003 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| | Exponential | 0.041668 | Activity | 9.976e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.520e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| | Exponential | 0.041668 | Activity | 1.494e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 5.007e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| | Normal | 0.083335 | Activity | 9.991e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |

| | | | | | | | | | |
|----------|-------------|-----------|----------|------------|----------|----------|----------|----------|--|
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 1.080e-003 | 6.500000 | 6.900000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 9.976e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 1.520e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 1.494e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 5.007e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 9.991e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 1.080e-003 | 6.500000 | 6.900000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 9.976e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 1.520e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 1.494e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 5.007e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.083335 | Activity | 9.991e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 1.080e-003 | 6.500000 | 6.900000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 9.976e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 1.520e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |
| | Exponential | 0.020833 | Activity | 1.494e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 | |
| 0.000000 | 0.000000 | 0.000000 | | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |

```

        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
        Area      --      --      --      --      --      --      -- -4.153061
1.020408 0.240000
    
```

Trace Coordinates:

```

Latitude Longitude
34.0112 -119.9060
33.9855 -119.9660
33.9714 -120.1110
33.9722 -120.1800
33.9833 -120.2300
33.9844 -120.3000
33.9873 -120.3580
33.9873 -120.4300
34.0199 -120.5110
    
```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

```

Name: Santa Susana, alt 1
Region: USGS 2008 California
Category: Fault
Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
\USGS 2008 Lower 48.bin-ssdb
Fault Mechanism: Reverse
Magnitude Scale: Moment Magnitude
    
```

Probability of Activity: 0.50000000
 Deterministic Magnitude: 6.9

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 55 | 0 | 0.001 | 16.38 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.083333 | Activity | 2.704e-003 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | Normal | 0.083333 | Activity | 5.396e-003 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.000000 | Exponential | 0.083335 | Activity | 5.835e-003 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 5.388e-003 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 8.209e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 8.069e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 2.704e-003 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | Normal | 0.166670 | Activity | 5.396e-003 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.000000 | Exponential | 0.041665 | Activity | 5.835e-003 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 5.388e-003 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 8.209e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 8.069e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |

```

1.020408  0.240000
           Area      --      --      --      --      --      -- -4.153061
1.020408  0.240000
           Area      --      --      --      --      --      -- -4.153061
1.020408  0.240000
    
```

Trace Coordinates:

```

Latitude  Longitude
34.3242   -118.4955
34.3053   -118.5232
34.3003   -118.5458
34.3204   -118.5811
34.3229   -118.6163
34.3330   -118.6339
34.3506   -118.7081
34.3594   -118.7672
    
```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

```

Name: Santa Ynez (East)
Region: USGS 2008 California
Category: Fault
Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
\USGS 2008 Lower 48.bin-ssdb
Fault Mechanism: Strike Slip
Magnitude Scale: Moment Magnitude
Probability of Activity: 0.50000000
Deterministic Magnitude: 7.2
    
```

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 70 | 0 | 0.001 | 13.16 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.08333 | Activity | 6.868e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.010000 | Activity | 9.702e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 0.010000 | Activity | 9.702e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.000000 | Exponential | 0.083335 | Activity | 2.514e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 1.968e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 2.976e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 2.484e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 6.868e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |

| | | | | | | | | |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.166670 | Activity | 9.702e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.000000 | Exponential | 0.041665 | Activity | 2.514e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 1.968e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 2.976e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 2.484e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.4992 | -119.6360 |
| 34.4880 | -119.5530 |
| 34.4888 | -119.5010 |
| 34.4987 | -119.4350 |
| 34.5067 | -119.3200 |
| 34.5293 | -119.2300 |
| 34.5315 | -119.1640 |
| 34.5697 | -118.9540 |
| 34.5839 | -118.9040 |

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Santa Ynez (West)
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.50000000
 Deterministic Magnitude: 7

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 70 | 0 | 0.001 | 9.397 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.083333 | Activity | 8.796e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | Normal | 0.083330 | Activity | 1.755e-003 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.000000 | Exponential | 0.083335 | Activity | 2.262e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 1.995e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 3.178e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 3.043e-003 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 8.796e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 1.755e-003 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.000000 | Exponential | 0.041665 | Activity | 2.262e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 1.995e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 3.178e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 3.043e-003 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

```

1.020408 0.240000
          Area          --          --          --          --          --          -- -4.153061
1.020408 0.240000
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--          --
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--          --
          Area          --          --          --          --          --          -- -4.153061
1.020408 0.240000
          Area          --          --          --          --          --          -- -4.153061
1.020408 0.240000
          Area          --          --          --          --          --          -- -4.153061
1.020408 0.240000
          Area          --          --          --          --          --          -- -4.153061
1.020408 0.240000
          Area          --          --          --          --          --          -- -4.153061
    
```

Trace Coordinates:

```

Latitude Longitude
34.5121 -120.3070
34.5147 -120.2630
34.5239 -120.2080
34.5442 -120.1200
34.5618 -120.0310
34.5603 -119.9770
34.5474 -119.9350
34.5533 -119.8670
34.5484 -119.8060
34.5205 -119.7320
34.4992 -119.6355
    
```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Santa Ynez Connected
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.50000000
 Deterministic Magnitude: 7.4

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 70 | 0 | 0.001 | 11.28 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|-------|-----------|---------|----------|------------|----------|----------|----------|----------|
| | Normal | 0.16667 | Activity | 5.652e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |

```

0.120000 0.010000 10.000000
      Normal 0.166670 Activity 7.983e-004 7.060000 7.540000 2.300000 7.300000
0.120000 0.010000 10.000000
      Exponential 0.041665 Activity 2.951e-003 6.500000 7.400000 1.842068 0.000000
0.000000 0.000000 0.000000
      Exponential 0.041665 Activity 1.986e-003 6.500000 7.400000 0.000000 0.000000
0.000000 0.000000 0.000000
      Exponential 0.041665 Activity 3.489e-003 6.500000 7.300000 1.842068 0.000000
0.000000 0.000000 0.000000
      Exponential 0.041665 Activity 2.542e-003 6.500000 7.300000 0.000000 0.000000
0.000000 0.000000 0.000000
      Normal 0.166670 Activity 5.652e-004 7.160000 7.640000 2.300000 7.400000
0.120000 0.010000 10.000000
      Normal 0.166670 Activity 7.983e-004 7.060000 7.540000 2.300000 7.300000
0.120000 0.010000 10.000000
      Exponential 0.041665 Activity 2.951e-003 6.500000 7.400000 1.842068 0.000000
0.000000 0.000000 0.000000
      Exponential 0.041665 Activity 1.986e-003 6.500000 7.400000 0.000000 0.000000
0.000000 0.000000 0.000000
      Exponential 0.041665 Activity 3.489e-003 6.500000 7.300000 1.842068 0.000000
0.000000 0.000000 0.000000
      Exponential 0.041665 Activity 2.542e-003 6.500000 7.300000 0.000000 0.000000
0.000000 0.000000 0.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | | Al | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.5121 | -120.3070 |
| 34.5147 | -120.2630 |
| 34.5239 | -120.2080 |

34.5442 -120.1200
 34.5618 -120.0310
 34.5603 -119.9770
 34.5474 -119.9350
 34.5533 -119.8670
 34.5484 -119.8060
 34.5205 -119.7320
 34.4992 -119.6355
 34.4880 -119.5530
 34.4888 -119.5010
 34.4987 -119.4350
 34.5067 -119.3200
 34.5293 -119.2300
 34.5315 -119.1640
 34.5697 -118.9540
 34.5839 -118.9040

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Sierra Madre
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.50000000
 Deterministic Magnitude: 7.2

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 53 | 0 | 0.001 | 14.38 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.08333 | Activity | 7.184e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.010000 | Activity | 1.015e-003 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.120000 | Normal | 0.010000 | Activity | 1.015e-003 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.000000 | Exponential | 0.083335 | Activity | 2.630e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 2.059e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 2.059e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 3.113e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 3.113e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 2.598e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 2.598e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 7.184e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.010000 | Activity | 1.015e-003 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |

| | | | | | | | | |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.166670 | Activity | 1.015e-003 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.000000 | Exponential | 0.041665 | Activity | 2.630e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 2.059e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 3.113e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 2.598e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.1231 | -117.7400 |
| 34.1219 | -117.7550 |
| 34.1317 | -117.7690 |
| 34.1305 | -117.8070 |
| 34.1323 | -117.8180 |
| 34.1587 | -117.8600 |
| 34.1470 | -117.8810 |
| 34.1501 | -117.9400 |
| 34.1611 | -117.9850 |
| 34.1752 | -118.0030 |
| 34.1758 | -118.0680 |
| 34.2010 | -118.1120 |
| 34.2028 | -118.1490 |
| 34.2107 | -118.1890 |
| 34.2349 | -118.2227 |
| 34.2495 | -118.2623 |

34.2585 -118.2793
 34.2751 -118.2900

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Sierra Madre (San Fernando)
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.50000000
 Deterministic Magnitude: 6.7

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 45 | 0 | 0.001 | 12.73 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|----------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.083333 | Activity | 1.328e-003 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.083330 | Activity | 2.649e-003 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.000000 | Exponential | 0.083335 | Activity | 2.020e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 1.985e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.166670 | Activity | 2.846e-003 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 1.328e-003 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.166670 | Activity | 2.649e-003 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.000000 | Exponential | 0.041665 | Activity | 2.020e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 1.985e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.083330 | Activity | 2.846e-003 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|-----------------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |

```

                Area      --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
                Area      --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
                Area      --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
                Area      --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
    
```

Trace Coordinates:

```

Latitude  Longitude
34.2782   -118.2951
34.2745   -118.3196
34.2905   -118.3956
34.3039   -118.4189
34.3027   -118.4337
34.2929   -118.4619
34.3027   -118.4778
    
```

Attenuation Equations for Source:

```

Raw Weight  Normalized Weight  Name
1           0.250000         Abrahamson-Silva (2008) NGA
1           0.250000         Boore-Atkinson (2008) NGA
1           0.250000         Campbell-Bozorgnia (2008) NGA
1           0.250000         Chiou-Youngs (2008) NGA
    
```

```

Name: Sierra Madre Connected
Region: USGS 2008 California
Category: Fault
Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
\USGS 2008 Lower 48.bin-ssdb
Fault Mechanism: Reverse
Magnitude Scale: Moment Magnitude
Probability of Activity: 0.5000000
Deterministic Magnitude: 7.3
    
```

Fault Profile Parameters:

```

Dipl  Dip2  Depth1  Depth2  Depth3
90    51    0        0.001  13.99
    
```

Magnitude Recurrence Distributions:

```

ModelType  Weight  RateType  Rate  MinMag  MaxMag  Beta  Mean
Sigma      Deltal  Delta2
Normal     0.16667 Activity  6.757e-004  7.060000  7.540000  2.300000  7.300000
0.120000  0.010000  10.000000
Normal     0.166670 Activity  9.545e-004  6.960000  7.440000  2.300000  7.200000
0.120000  0.010000  10.000000
    
```

```

    Exponential 0.041665 Activity 2.954e-003 6.500000 7.300000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.041665 Activity 2.152e-003 6.500000 7.300000 0.000000 0.000000
0.000000 0.000000 0.000000
    Exponential 0.041665 Activity 3.494e-003 6.500000 7.200000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.041665 Activity 2.736e-003 6.500000 7.200000 0.000000 0.000000
0.000000 0.000000 0.000000
    Normal 0.166670 Activity 6.757e-004 7.060000 7.540000 2.300000 7.300000
0.120000 0.010000 10.000000
    Normal 0.166670 Activity 9.545e-004 6.960000 7.440000 2.300000 7.200000
0.120000 0.010000 10.000000
    Exponential 0.041665 Activity 2.954e-003 6.500000 7.300000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.041665 Activity 2.152e-003 6.500000 7.300000 0.000000 0.000000
0.000000 0.000000 0.000000
    Exponential 0.041665 Activity 3.494e-003 6.500000 7.200000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.041665 Activity 2.736e-003 6.500000 7.200000 0.000000 0.000000
0.000000 0.000000 0.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | 0.240000 | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | 0.240000 | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.1231 | -117.7400 |
| 34.1219 | -117.7550 |
| 34.1317 | -117.7690 |
| 34.1305 | -117.8070 |
| 34.1323 | -117.8180 |
| 34.1587 | -117.8600 |

34.1470 -117.8810
 34.1501 -117.9400
 34.1611 -117.9850
 34.1752 -118.0030
 34.1758 -118.0680
 34.2010 -118.1120
 34.2028 -118.1490
 34.2107 -118.1890
 34.2349 -118.2227
 34.2495 -118.2623
 34.2585 -118.2793
 34.2782 -118.2951
 34.2745 -118.3196
 34.2905 -118.3956
 34.3039 -118.4189
 34.3027 -118.4337
 34.2929 -118.4619
 34.3027 -118.4778

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Simi-Santa Rosa
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1.00000000
 Deterministic Magnitude: 6.9

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 60 | 1 | 1.001 | 12.26 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 5.020e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | Normal | 0.010000 | Activity | 1.002e-003 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.083e-003 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.010000 | Activity | 1.000e-003 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.524e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.010000 | Activity | 1.498e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |

| | | | | | | | | |
|----------|-------------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.083335 | Activity | 5.020e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.083335 | Activity | 1.002e-003 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 1.083e-003 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 1.000e-003 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 1.524e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 1.498e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Normal | 0.083335 | Activity | 5.020e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.083335 | Activity | 1.002e-003 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 1.083e-003 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 1.000e-003 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 1.524e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 1.498e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Normal | 0.083335 | Activity | 5.020e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.083335 | Activity | 1.002e-003 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 1.083e-003 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 1.000e-003 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 1.524e-003 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |
| | Exponential | 0.020833 | Activity | 1.498e-003 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

```

1.020408 0.240000
          Area      --      --      --      --      --      --      -4.153061
1.020408 0.240000
          Area      --      --      --      --      --      --      -4.153061
1.020408 0.240000
          Area      --      --      --      --      --      --      -4.153061
1.020408 0.240000
          Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
          Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
          Area      --      --      --      --      --      --      -4.153061
1.020408 0.240000
          Area      --      --      --      --      --      --      -4.153061
1.020408 0.240000
          Area      --      --      --      --      --      --      -4.153061
1.020408 0.240000
          Area      --      --      --      --      --      --      -4.153061
1.020408 0.240000
          Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
          Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
          Area      --      --      --      --      --      --      -4.153061
1.020408 0.240000
          Area      --      --      --      --      --      --      -4.153061
1.020408 0.240000
          Area      --      --      --      --      --      --      -4.153061
1.020408 0.240000
          Area      --      --      --      --      --      --      -4.153061
1.020408 0.240000
    
```

Trace Coordinates:

```

Latitude Longitude
34.3038 -118.6960
34.2835 -118.7580
34.2708 -118.8360
34.2523 -118.8850
34.2468 -118.9510
34.2346 -119.0000
34.2422 -119.0430
34.2168 -119.1000
    
```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

```

Name: So Sierra Nevada
Region: USGS 2008 California
Category: Fault
Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
\USGS 2008 Lower 48.bin-ssdb
    
```

Fault Mechanism: Normal
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1.00000000
 Deterministic Magnitude: 7.5

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 50 | 0 | 0.001 | 13.79 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|-----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.041665 | Activity | 2.514e-005 | 7.260000 | 7.740000 | 2.300000 | 7.500000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.041665 | Activity | 2.514e-005 | 7.260000 | 7.740000 | 2.300000 | 7.500000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.000000 | Exponential | 0.041668 | Activity | 1.570e-004 | 6.500000 | 7.500000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.041668 | Activity | 9.683e-005 | 6.500000 | 7.500000 | 0.000000 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.041668 | Activity | 1.570e-004 | 6.500000 | 7.500000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.041668 | Activity | 9.683e-005 | 6.500000 | 7.500000 | 0.000000 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.120000 | Normal | 0.083335 | Activity | 2.514e-005 | 7.260000 | 7.740000 | 2.300000 | 7.500000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.083335 | Activity | 2.514e-005 | 7.260000 | 7.740000 | 2.300000 | 7.500000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 1.570e-004 | 6.500000 | 7.500000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 9.683e-005 | 6.500000 | 7.500000 | 0.000000 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 1.570e-004 | 6.500000 | 7.500000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 9.683e-005 | 6.500000 | 7.500000 | 0.000000 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.120000 | Normal | 0.083335 | Activity | 2.514e-005 | 7.260000 | 7.740000 | 2.300000 | 7.500000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.083335 | Activity | 2.514e-005 | 7.260000 | 7.740000 | 2.300000 | 7.500000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 1.570e-004 | 6.500000 | 7.500000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 9.683e-005 | 6.500000 | 7.500000 | 0.000000 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 1.570e-004 | 6.500000 | 7.500000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 9.683e-005 | 6.500000 | 7.500000 | 0.000000 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.120000 | Normal | 0.083335 | Activity | 2.514e-005 | 7.260000 | 7.740000 | 2.300000 | 7.500000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.083335 | Activity | 2.514e-005 | 7.260000 | 7.740000 | 2.300000 | 7.500000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 1.570e-004 | 6.500000 | 7.500000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 9.683e-005 | 6.500000 | 7.500000 | 0.000000 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.020833 | Activity | 1.570e-004 | 6.500000 | 7.500000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |

0.000000 0.000000 0.000000
 Exponential 0.020833 Activity 9.683e-005 6.500000 7.500000 0.000000 0.000000
 0.000000 0.000000 0.000000

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 35.2943 | -118.0230 |
| 35.3470 | -118.0400 |
| 35.4261 | -118.0510 |
| 35.5384 | -118.0340 |
| 35.5680 | -118.0040 |
| 35.6100 | -117.9090 |
| 35.6839 | -117.8690 |
| 35.7583 | -117.8960 |
| 35.9341 | -117.9120 |
| 35.9726 | -117.9459 |
| 36.0800 | -117.9850 |
| 36.1240 | -118.0090 |
| 36.2193 | -117.9900 |

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Ventura-Pitas Point
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.75000000
 Deterministic Magnitude: 7

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 64 | 1 | 1.001 | 15.38 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.0555533 | Activity | 4.829e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | Normal | 0.0100000 | Activity | 9.635e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.120000 | Normal | 0.0555553 | Activity | 1.242e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.120000 | Normal | 0.0100000 | Activity | 1.095e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.0555557 | Activity | 1.745e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.120000 | Normal | 0.0100000 | Activity | 1.671e-003 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.0555557 | Activity | 4.829e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | Normal | 0.0100000 | Activity | 9.635e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.120000 | Normal | 0.0555557 | Activity | 1.242e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.120000 | Normal | 0.0100000 | Activity | 1.095e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.0555557 | Activity | 1.745e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.120000 | Normal | 0.0100000 | Activity | 1.671e-003 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |

| | | | | | | | |
|-------------|----------|-----------|------------|----------|----------|----------|----------|
| Exponential | 0.027777 | Activity | 1.242e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.027777 | Activity | 1.095e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.027777 | Activity | 1.745e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.027777 | Activity | 1.671e-003 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Normal | 0.111113 | Activity | 4.829e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | |
| Normal | 0.111113 | Activity | 9.635e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | |
| Exponential | 0.027777 | Activity | 1.242e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.027777 | Activity | 1.095e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.027777 | Activity | 1.745e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |
| Exponential | 0.027777 | Activity | 1.671e-003 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | 0.000000 | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | 0.240000 | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | 0.240000 | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

1.020408 0.240000
 Area -- -- -- -- -- -4.153061
 1.020408 0.240000

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.3435 | -119.1410 |
| 34.2910 | -119.2240 |
| 34.2874 | -119.3030 |
| 34.3077 | -119.4130 |
| 34.3027 | -119.4630 |
| 34.2974 | -119.5930 |

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Verdugo
 Region: USGS 2008 California
 Category: Fault
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1.00000000
 Deterministic Magnitude: 6.9

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 55 | 0 | 0.001 | 14.74 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.041665 | Activity | 2.568e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | Normal | 0.010000 | Activity | 5.125e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.010000 | Activity | 5.125e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.000000 | Exponential | 0.041668 | Activity | 5.541e-004 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 5.117e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 5.117e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 7.797e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 7.797e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 7.663e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 7.663e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 2.568e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | Normal | 0.010000 | Activity | 5.125e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.083335 | Activity | 5.125e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.010000 | Activity | 5.125e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.000000 | Exponential | 0.020833 | Activity | 5.541e-004 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.000000 | Activity | 5.541e-004 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |

| | | | | | | | |
|-------------|----------|----------|------------|----------|----------|----------|----------|
| Exponential | 0.020833 | Activity | 5.117e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 7.797e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 7.663e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Normal | 0.083335 | Activity | 2.568e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | 0.010000 | | | | | | |
| Normal | 0.083335 | Activity | 5.125e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | 0.010000 | | | | | | |
| Exponential | 0.020833 | Activity | 5.541e-004 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 5.117e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 7.797e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 7.663e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Normal | 0.083335 | Activity | 2.568e-004 | 6.660000 | 7.140000 | 2.300000 | 6.900000 |
| 0.120000 | 0.010000 | | | | | | |
| Normal | 0.083335 | Activity | 5.125e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | 0.010000 | | | | | | |
| Exponential | 0.020833 | Activity | 5.541e-004 | 6.500000 | 6.900000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 5.117e-004 | 6.500000 | 6.900000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 7.797e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |
| Exponential | 0.020833 | Activity | 7.663e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | 0.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |

```

1.020408 0.240000
  Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
  Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
  Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
  Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000
      Area -- -- -- -- -- -4.153061
1.020408 0.240000

```

Trace Coordinates:

```

Latitude Longitude
34.1313 -118.1536
34.1496 -118.1865
34.1551 -118.2285
34.1971 -118.2907
34.2227 -118.3657
34.2538 -118.4077
34.2612 -118.4206

```

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

```

Name: White Wolf
Region: USGS 2008 California
Category: Fault
Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
\USGS 2008 Lower 48.bin-ssdb
Fault Mechanism: Reverse
Magnitude Scale: Moment Magnitude
Probability of Activity: 1.00000000
Deterministic Magnitude: 7.2

```

Fault Profile Parameters:

```

Dipl    Dip2    Depth1    Depth2    Depth3

```

| Magnitude Recurrence Distributions: | | | | | | | | |
|-------------------------------------|---------------------|------------------|----------|------------|----------|----------|----------|----------|
| Sigma | ModelType Delta1 | Weight Delta2 | RateType | Rate | MinMag | MaxMag | Beta | Mean |
| 0.120000 | Normal | 0.041665 | Activity | 6.798e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.041665 | Activity | 1.356e-003 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 2.489e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 1.948e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 3.488e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041668 | Activity | 3.077e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 6.798e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.083335 | Activity | 1.356e-003 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.489e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.948e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 3.488e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 3.077e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 6.798e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.083335 | Activity | 1.356e-003 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.489e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.948e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 3.488e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 3.077e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.083335 | Activity | 6.798e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.083335 | Activity | 1.356e-003 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 2.489e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 1.948e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 3.488e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.020833 | Activity | 3.077e-003 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |

| Rupture Length Parameters | | | | | | | | |
|---------------------------|------|----|----|------|----|----|------|----|
| Rupture Dimensioning | | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
| Ba | Sigw | | | | | | | |

```

--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000
--      Area              --      --      --      --      --      --      -- -4.153061
1.020408  0.240000

```

Trace Coordinates:
 Latitude Longitude
 35.0276 -119.0070
 35.1464 -118.8110
 35.1776 -118.7790
 35.2097 -118.7350
 35.2322 -118.6720
 35.2673 -118.6020

35.3204 -118.5380
35.3711 -118.4870
35.3839 -118.4708

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: California Gridded
Region: USGS 2008 California
Category:Composite Seismic Source
Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
\USGS 2008 Lower 48.bin-ssdb
Magnitude Scale: Moment Magnitude
Probability of Activity: 1
----- Start Nested Sources forCalifornia Gridded -----
Name: California Gridded, Char, 2.1, Reverse
Region: USGS 2008 California
Category:Gridded
FileType: USGS2008

General Parameters
Magnitude Scale: Moment Magnitude
Probability of Activity: 0.1666
Latitude Increment, degrees: 0.1
Longitude Increment, degrees: 0.1
Magnitude Threshold for Weighting: 6.5

Earthquake Model Parameters (Varies point to point?)
Cell Weight: 1 Yes
Fault Mechanism: Reverse
Depth to Top of Rupture, km: 5
Minimum Magnitude: 5
Maximum Magnitude: 7 Yes
Rate at Minimum Magnitude, events per year: 0 Yes
Beta: 1.84207
Horizontal Rupture Length, A parameter: -3.22
Horizontal Rupture Length, B parameter: 0.69
Rupture Strike Azimuth Model: Random Strike

Name: California Gridded, Char, 2.1, Strike Slip
Region: USGS 2008 California
Category:Gridded
FileType: USGS2008

General Parameters
Magnitude Scale: Moment Magnitude
Probability of Activity: 0.1666
Latitude Increment, degrees: 0.1
Longitude Increment, degrees: 0.1
Magnitude Threshold for Weighting: 6.5

Earthquake Model Parameters (Varies point to point?)
Cell Weight: 1 Yes
Fault Mechanism: Strike Slip
Depth to Top of Rupture, km: 5
Minimum Magnitude: 5
Maximum Magnitude: 7 Yes
Rate at Minimum Magnitude, events per year: 0 Yes
Beta: 1.84207
Horizontal Rupture Length, A parameter: -3.22
Horizontal Rupture Length, B parameter: 0.69
Rupture Strike Azimuth Model: Random Strike

Name: California Gridded, Char, 2.4, Reverse
Region: USGS 2008 California
Category:Gridded
FileType: USGS2008

General Parameters
Magnitude Scale: Moment Magnitude
Probability of Activity: 0.1666
Latitude Increment, degrees: 0.1
Longitude Increment, degrees: 0.1
Magnitude Threshold for Weighting: 6.5

Earthquake Model Parameters (Varies point to point?)
Cell Weight: 1 Yes
Fault Mechanism: Reverse
Depth to Top of Rupture, km: 5
Minimum Magnitude: 5
Maximum Magnitude: 7 Yes
Rate at Minimum Magnitude, events per year: 0 Yes
Beta: 1.84207
Horizontal Rupture Length, A parameter: -3.22
Horizontal Rupture Length, B parameter: 0.69
Rupture Strike Azimuth Model: Random Strike

Name: California Gridded, Char, 2.4, Strike Slip
Region: USGS 2008 California
Category:Gridded
FileType: USGS2008

General Parameters
Magnitude Scale: Moment Magnitude
Probability of Activity: 0.1666
Latitude Increment, degrees: 0.1
Longitude Increment, degrees: 0.1
Magnitude Threshold for Weighting: 6.5

Earthquake Model Parameters (Varies point to point?)
Cell Weight: 1 Yes
Fault Mechanism: Strike Slip
Depth to Top of Rupture, km: 5
Minimum Magnitude: 5
Maximum Magnitude: 7 Yes
Rate at Minimum Magnitude, events per year: 0 Yes
Beta: 1.84207
Horizontal Rupture Length, A parameter: -3.22

Horizontal Rupture Length, B parameter: 0.69
Rupture Strike Azimuth Model: Random Strike

Name: California Gridded, GR, 2.1, Reverse
Region: USGS 2008 California
Category:Gridded
FileType: USGS2008

General Parameters

Magnitude Scale: Moment Magnitude
Probability of Activity: 0.0833
Latitude Increment, degrees: 0.1
Longitude Increment, degrees: 0.1
Magnitude Threshold for Weighting: 6.5

Earthquake Model Parameters (Varies point to point?)

Cell Weight: 1 Yes
Fault Mechanism: Reverse
Depth to Top of Rupture, km: 5
Minimum Magnitude: 5
Maximum Magnitude: 7 Yes
Rate at Minimum Magnitude, events per year: 0 Yes
Beta: 1.84207
Horizontal Rupture Length, A parameter: -3.22
Horizontal Rupture Length, B parameter: 0.69
Rupture Strike Azimuth Model: Random Strike

Name: California Gridded, GR, 2.1, Strike Slip
Region: USGS 2008 California
Category:Gridded
FileType: USGS2008

General Parameters

Magnitude Scale: Moment Magnitude
Probability of Activity: 0.0833
Latitude Increment, degrees: 0.1
Longitude Increment, degrees: 0.1
Magnitude Threshold for Weighting: 6.5

Earthquake Model Parameters (Varies point to point?)

Cell Weight: 1 Yes
Fault Mechanism: Strike Slip
Depth to Top of Rupture, km: 5
Minimum Magnitude: 5
Maximum Magnitude: 7 Yes
Rate at Minimum Magnitude, events per year: 0 Yes
Beta: 1.84207
Horizontal Rupture Length, A parameter: -3.22
Horizontal Rupture Length, B parameter: 0.69
Rupture Strike Azimuth Model: Random Strike

Name: California Gridded, GR, 2.4, Reverse
Region: USGS 2008 California
Category:Gridded
FileType: USGS2008

General Parameters

Magnitude Scale: Moment Magnitude
Probability of Activity: 0.0833
Latitude Increment, degrees: 0.1
Longitude Increment, degrees: 0.1
Magnitude Threshold for Weighting: 6.5

Earthquake Model Parameters (Varies point to point?)
Cell Weight: 1 Yes
Fault Mechanism: Reverse
Depth to Top of Rupture, km: 5
Minimum Magnitude: 5
Maximum Magnitude: 7 Yes
Rate at Minimum Magnitude, events per year: 0 Yes
Beta: 1.84207
Horizontal Rupture Length, A parameter: -3.22
Horizontal Rupture Length, B parameter: 0.69
Rupture Strike Azimuth Model: Random Strike

Name: California Gridded, GR, 2.4, Strike Slip
Region: USGS 2008 California
Category:Gridded
FileType: USGS2008

General Parameters

Magnitude Scale: Moment Magnitude
Probability of Activity: 0.0833
Latitude Increment, degrees: 0.1
Longitude Increment, degrees: 0.1
Magnitude Threshold for Weighting: 6.5

Earthquake Model Parameters (Varies point to point?)
Cell Weight: 1 Yes
Fault Mechanism: Strike Slip
Depth to Top of Rupture, km: 5
Minimum Magnitude: 5
Maximum Magnitude: 7 Yes
Rate at Minimum Magnitude, events per year: 0 Yes
Beta: 1.84207
Horizontal Rupture Length, A parameter: -3.22
Horizontal Rupture Length, B parameter: 0.69
Rupture Strike Azimuth Model: Random Strike

----- End Nested Sources for California Gridded -----

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Anacapa-Dume
Region: USGS 2008 California
Category:Composite Seismic Source
Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files

\USGS 2008 Lower 48.bin-ssdb
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1
 ----- Start Nested Sources forAnacapa-Dume -----
 Name: Anacapa-Dume, alt 1
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.25000000
 Deterministic Magnitude: 7.2

Fault Profile Parameters:
 Dip1 Dip2 Depth1 Depth2 Depth3
 90 45 0 0.001 15.56

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.16666 | Activity | 1.188e-003 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.166660 | Activity | 1.678e-003 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.000000 | Exponential | 0.166670 | Activity | 4.349e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.166670 | Activity | 3.405e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.166670 | Activity | 5.148e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.166670 | Activity | 4.297e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.9832 | -118.6950 |
| 33.9731 | -118.7430 |
| 33.9581 | -118.8190 |
| 33.9474 | -118.9350 |
| 33.9698 | -119.0200 |
| 33.9748 | -119.1450 |
| 33.9388 | -119.2280 |

Name: Anacapa-Dume, alt 2
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.25000000
 Deterministic Magnitude: 7.2

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 41 | 1.2 | 1.201 | 11.7 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.33334 | Activity | 1.072e-003 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.333340 | Activity | 1.513e-003 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.000000 | Exponential | 0.083330 | Activity | 3.922e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083330 | Activity | 3.071e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.083330 | Activity | 4.642e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083330 | Activity | 3.875e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.0202 | -118.5520 |
| 33.9919 | -118.6492 |
| 33.9731 | -118.7430 |
| 33.9581 | -118.8190 |
| 33.9474 | -118.9350 |
| 33.9698 | -119.0200 |
| 33.9748 | -119.1450 |
| 33.9388 | -119.2280 |

----- End Nested Sources for Anacapa-Dume -----

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Chino
 Region: USGS 2008 California
 Category:Composite Seismic Source
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1
 ----- Start Nested Sources forChino -----

Name: Chino, alt 1
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.50000000
 Deterministic Magnitude: 6.7

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 50 | 0 | 0.001 | 9.193 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|----------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.083333 | Activity | 5.706e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.083333 | Activity | 1.608e-003 | 6.160000 | 6.640000 | 2.300000 | 6.400000 |
| 0.000000 | Exponential | 0.083335 | Activity | 8.682e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 8.533e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.166670 | Activity | 1.728e-003 | 6.399000 | 6.401000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 5.706e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.166670 | Activity | 1.608e-003 | 6.160000 | 6.640000 | 2.300000 | 6.400000 |
| 0.000000 | Exponential | 0.041665 | Activity | 8.682e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 8.533e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.083330 | Activity | 1.728e-003 | 6.399000 | 6.401000 | 2.300000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----|----|------|----|----|------|----|
| Ba Sigw | | | | | | | |

```

        Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
        Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
        Area -- -- -- -- -- -4.153061
1.020408 0.240000
        Area -- -- -- -- -- -4.153061
1.020408 0.240000
        Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
        Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
        Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
        Area -- -- -- -- -- -4.153061
1.020408 0.240000
        Area -- -- -- -- -- -4.153061
1.020408 0.240000
        Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--      --
    
```

Trace Coordinates:

```

Latitude Longitude
34.0314 -117.7450
33.9655 -117.7080
33.9073 -117.6480
33.8519 -117.5970
    
```

Name: Chino, alt 2
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.50000000
 Deterministic Magnitude: 6.8

Fault Profile Parameters:

```

Dip1 Dip2 Depth1 Depth2 Depth3
90 65 0 0.001 13.59
    
```

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.16667 | Activity | 5.992e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| | Delta1 | Delta2 | | | | | | |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.166670 | Activity | 1.196e-003 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.000000 | Exponential | 0.041665 | Activity | 1.085e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.041665 | Activity | 1.039e-003 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.041665 | Activity | 1.529e-003 | 6.500000 | 6.600000 | 1.842068 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.000000 | Exponential | 0.041665 | Activity | 1.527e-003 | 6.500000 | 6.600000 | 0.000000 | 0.000000 |
| | 0.000000 | 0.000000 | | | | | | |
| 0.120000 | Normal | 0.166670 | Activity | 5.992e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| | 0.010000 | 10.000000 | | | | | | |

| | | | | | | | | |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.166670 | Activity | 1.196e-003 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| 0.000000 | Exponential | 0.041665 | Activity | 1.085e-003 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 1.039e-003 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 1.529e-003 | 6.500000 | 6.600000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 1.527e-003 | 6.500000 | 6.600000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| 1.020408 | 0.240000 | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | -- | -- | -- | -- | -- | -- | -4.153061 |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| 1.020408 | 0.240000 | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| | |
|----------|-----------|
| Latitude | Longitude |
| 34.0332 | -117.7455 |
| 33.9724 | -117.7103 |
| 33.8857 | -117.6286 |
| 33.8242 | -117.5658 |

----- End Nested Sources for Chino -----

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Elsinore
 Region: USGS 2008 California
 Category:Composite Seismic Source
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1
 ----- Start Nested Sources forElsinore -----

Name: Elsinore
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.05000000
 Deterministic Magnitude: 7.8

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 83.8 | 0 | 0.001 | 14.91 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| Delta1 | Delta2 | | | | | | | |
| 0.000000 | Exponential | 0.5 | Activity | 3.558e-003 | 6.500000 | 7.800000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.200000 | Activity | 3.558e-003 | 6.500000 | 7.800000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.300000 | Activity | 3.558e-003 | 6.500000 | 7.800000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----|----|------|----|----|------|-----------|
| Ba Sigw | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 32.7790 | -116.0060 |
| 32.8144 | -116.0990 |
| 32.8377 | -116.1780 |
| 32.8892 | -116.2302 |
| 32.9308 | -116.2644 |
| 32.9748 | -116.3367 |
| 32.9496 | -116.3557 |
| 32.9826 | -116.4070 |
| 33.0109 | -116.4602 |
| 33.0493 | -116.5192 |
| 33.1225 | -116.6280 |
| 33.1781 | -116.6903 |
| 33.2087 | -116.7292 |
| 33.2465 | -116.7910 |
| 33.2790 | -116.8440 |

33.3320 -116.9520
 33.3409 -117.0082
 33.3703 -117.0152
 33.3914 -117.0309
 33.4230 -117.0533
 33.4975 -117.1417
 33.5289 -117.1721
 33.5590 -117.2045
 33.6116 -117.2810
 33.6852 -117.3727
 33.7045 -117.4026
 33.7185 -117.4242
 33.7318 -117.4457
 33.7451 -117.4633
 33.8129 -117.5480
 33.8289 -117.5900
 33.8511 -117.6360
 33.8733 -117.7170
 33.9074 -117.7920
 33.9297 -117.8520
 33.9712 -117.9920
 33.9950 -118.0480

Name: Elsinore HB M(A)
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.05000000
 Deterministic Magnitude: 7.8

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 83.8 | 0 | 0.001 | 14.91 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.000000 | Exponential | 0.5 | Activity | 3.558e-003 | 6.500000 | 7.800000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.200000 | Activity | 3.558e-003 | 6.500000 | 7.800000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.300000 | Activity | 3.558e-003 | 6.500000 | 7.800000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----|----|------|----|----|------|-----------|
| Ba | Sigw | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
|----------|-----------|

32.7790 -116.0060
 32.8144 -116.0990
 32.8377 -116.1780
 32.8892 -116.2302
 32.9308 -116.2644
 32.9748 -116.3367
 32.9496 -116.3557
 32.9826 -116.4070
 33.0109 -116.4602
 33.0493 -116.5192
 33.1225 -116.6280
 33.1781 -116.6903
 33.2087 -116.7292
 33.2465 -116.7910
 33.2790 -116.8440
 33.3320 -116.9520
 33.3409 -117.0082
 33.3703 -117.0152
 33.3914 -117.0309
 33.4230 -117.0533
 33.4975 -117.1417
 33.5289 -117.1721
 33.5590 -117.2045
 33.6116 -117.2810
 33.6852 -117.3727
 33.7045 -117.4026
 33.7185 -117.4242
 33.7318 -117.4457
 33.7451 -117.4633
 33.8129 -117.5480
 33.8289 -117.5900
 33.8511 -117.6360
 33.8733 -117.7170
 33.9074 -117.7920
 33.9297 -117.8520
 33.9712 -117.9920
 33.9950 -118.0480

Name: Elsinore;CM
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 6.914

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 82 | 0 | 0.001 | 12.87 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 5.752e-004 | 6.674000 | 7.154000 | 2.300000 | 6.914000 |
| 0.120000 | Normal | 0.250000 | Activity | 5.752e-004 | 6.454000 | 6.934000 | 2.300000 | 6.694000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |

| | | | | | | | | |
|----------|----------|-----------|----------|------------|----------|----------|----------|----------|
| | Normal | 0.125000 | Activity | 2.123e-003 | 6.454000 | 6.934000 | 2.300000 | 6.694000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 2.123e-003 | 6.454000 | 6.934000 | 2.300000 | 6.694000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 2.123e-003 | 6.454000 | 6.934000 | 2.300000 | 6.694000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 1.040e-003 | 6.674000 | 7.154000 | 2.300000 | 6.914000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 1.040e-003 | 6.674000 | 7.154000 | 2.300000 | 6.914000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 1.040e-003 | 6.674000 | 7.154000 | 2.300000 | 6.914000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 32.7790 | -116.0060 |
| 32.8144 | -116.0990 |
| 32.8377 | -116.1780 |
| 32.8892 | -116.2302 |
| 32.9308 | -116.2644 |
| 32.9748 | -116.3367 |

Name: Elsinore;GI
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 6.889

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 13 |

Magnitude Recurrence Distributions:

| ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|-----------|--------|----------|------|--------|--------|------|------|
| Sigma | Delta1 | Delta2 | | | | | |

| | | | | | | | | |
|----------|----------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 2.567e-003 | 6.649000 | 7.129000 | 2.300000 | 6.889000 |
| | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.250000 | Activity | 2.567e-003 | 6.429000 | 6.909000 | 2.300000 | 6.669000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 2.226e-003 | 6.429000 | 6.909000 | 2.300000 | 6.669000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 2.226e-003 | 6.429000 | 6.909000 | 2.300000 | 6.669000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 2.226e-003 | 6.429000 | 6.909000 | 2.300000 | 6.669000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 1.197e-003 | 6.649000 | 7.129000 | 2.300000 | 6.889000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 1.197e-003 | 6.649000 | 7.129000 | 2.300000 | 6.889000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 1.197e-003 | 6.649000 | 7.129000 | 2.300000 | 6.889000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.8289 | -117.5900 |
| 33.8129 | -117.5480 |
| 33.7451 | -117.4633 |
| 33.7318 | -117.4457 |
| 33.7185 | -117.4242 |
| 33.7045 | -117.4026 |
| 33.6852 | -117.3727 |
| 33.6265 | -117.2744 |

Name: Elsinore;GI+T
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.288

Fault Profile Parameters:

Dip1 Dip2 Depth1 Depth2 Depth3
 90 90 0 0.001 14

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 8.957e-004 | 7.048000 | 7.528000 | 2.300000 | 7.288000 |
| 0.120000 | Normal | 0.250000 | Activity | 8.957e-004 | 6.947000 | 7.427000 | 2.300000 | 7.187000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.258e-004 | 6.947000 | 7.427000 | 2.300000 | 7.187000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.258e-004 | 6.947000 | 7.427000 | 2.300000 | 7.187000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.258e-004 | 6.947000 | 7.427000 | 2.300000 | 7.187000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.258e-004 | 7.048000 | 7.528000 | 2.300000 | 7.288000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.258e-004 | 7.048000 | 7.528000 | 2.300000 | 7.288000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.258e-004 | 7.048000 | 7.528000 | 2.300000 | 7.288000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.258e-004 | 7.048000 | 7.528000 | 2.300000 | 7.288000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.8289 | -117.5900 |
| 33.8129 | -117.5480 |
| 33.7451 | -117.4633 |
| 33.7318 | -117.4457 |
| 33.7185 | -117.4242 |
| 33.7045 | -117.4026 |
| 33.6852 | -117.3727 |
| 33.6116 | -117.2810 |
| 33.5590 | -117.2045 |
| 33.5289 | -117.1721 |
| 33.4975 | -117.1417 |
| 33.4230 | -117.0533 |

33.3914 -117.0309
 33.3703 -117.0152
 33.3409 -117.0082

Name: Elsinore;GI+T+J
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.634

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 86.3 | 0 | 0.001 | 16.96 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 1.258e-004 | 7.394000 | 7.874000 | 2.300000 | 7.634000 |
| | Normal | 0.100000 | Activity | 1.258e-004 | 7.394000 | 7.874000 | 2.300000 | 7.634000 |
| 0.120000 | Normal | 0.150000 | Activity | 1.258e-004 | 7.394000 | 7.874000 | 2.300000 | 7.634000 |
| | Normal | 0.250000 | Activity | 1.258e-004 | 7.383000 | 7.863000 | 2.300000 | 7.623000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.258e-004 | 7.383000 | 7.863000 | 2.300000 | 7.623000 |
| | Normal | 0.150000 | Activity | 1.258e-004 | 7.383000 | 7.863000 | 2.300000 | 7.623000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.258e-004 | 7.383000 | 7.863000 | 2.300000 | 7.623000 |
| | Normal | 0.150000 | Activity | 1.258e-004 | 7.383000 | 7.863000 | 2.300000 | 7.623000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 32.9496 | -116.3557 |
| 32.9826 | -116.4070 |
| 33.0109 | -116.4602 |
| 33.0493 | -116.5192 |
| 33.1225 | -116.6280 |
| 33.1781 | -116.6903 |
| 33.2087 | -116.7292 |

33.2465 -116.7910
 33.2790 -116.8440
 33.3320 -116.9520
 33.3409 -117.0082
 33.3703 -117.0152
 33.3914 -117.0309
 33.4230 -117.0533
 33.4975 -117.1417
 33.5289 -117.1721
 33.5590 -117.2045
 33.6116 -117.2810
 33.6852 -117.3727
 33.7045 -117.4026
 33.7185 -117.4242
 33.7318 -117.4457
 33.7451 -117.4633
 33.8129 -117.5480
 33.8289 -117.5900

Name: Elsinore;GI+T+J+CM
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.737

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 85.5 | 0 | 0.001 | 15.95 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 2.516e-004 | 7.461000 | 7.941000 | 2.300000 | 7.701000 |
| 0.120000 | Normal | 0.250000 | Activity | 2.516e-004 | 7.497000 | 7.977000 | 2.300000 | 7.737000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.258e-004 | 7.497000 | 7.977000 | 2.300000 | 7.737000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.258e-004 | 7.497000 | 7.977000 | 2.300000 | 7.737000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.258e-004 | 7.497000 | 7.977000 | 2.300000 | 7.737000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.846e-004 | 7.461000 | 7.941000 | 2.300000 | 7.701000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.846e-004 | 7.461000 | 7.941000 | 2.300000 | 7.701000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.846e-004 | 7.461000 | 7.941000 | 2.300000 | 7.701000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

```
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
```

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 32.7790 | -116.0060 |
| 32.8144 | -116.0990 |
| 32.8377 | -116.1780 |
| 32.8892 | -116.2302 |
| 32.9308 | -116.2644 |
| 32.9748 | -116.3367 |
| 32.9496 | -116.3557 |
| 32.9826 | -116.4070 |
| 33.0109 | -116.4602 |
| 33.0493 | -116.5192 |
| 33.1225 | -116.6280 |
| 33.1781 | -116.6903 |
| 33.2087 | -116.7292 |
| 33.2465 | -116.7910 |
| 33.2790 | -116.8440 |
| 33.3320 | -116.9520 |
| 33.3409 | -117.0082 |
| 33.3703 | -117.0152 |
| 33.3914 | -117.0309 |
| 33.4230 | -117.0533 |
| 33.4975 | -117.1417 |
| 33.5289 | -117.1721 |
| 33.5590 | -117.2045 |
| 33.6116 | -117.2810 |
| 33.6852 | -117.3727 |
| 33.7045 | -117.4026 |
| 33.7185 | -117.4242 |
| 33.7318 | -117.4457 |
| 33.7451 | -117.4633 |
| 33.8129 | -117.5480 |
| 33.8289 | -117.5900 |

Name: Elsinore;J
Region: USGS 2008 California
Category: Fault
Fault Mechanism: Strike Slip
Magnitude Scale: Moment Magnitude
Probability of Activity: 0.4500000
Deterministic Magnitude: 7.354

Fault Profile Parameters:

Dip1 Dip2 Depth1 Depth2 Depth3
 90 84 0 0.001 18.9

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 2.516e-005 | 7.036000 | 7.516000 | 2.300000 | 7.276000 |
| 0.120000 | Normal | 0.100000 | Activity | 2.516e-005 | 7.036000 | 7.516000 | 2.300000 | 7.276000 |
| 0.120000 | Normal | 0.150000 | Activity | 2.516e-005 | 7.036000 | 7.516000 | 2.300000 | 7.276000 |
| 0.120000 | Normal | 0.250000 | Activity | 3.828e-005 | 7.114000 | 7.594000 | 2.300000 | 7.354000 |
| 0.120000 | Normal | 0.100000 | Activity | 3.828e-005 | 7.114000 | 7.594000 | 2.300000 | 7.354000 |
| 0.120000 | Normal | 0.150000 | Activity | 3.828e-005 | 7.114000 | 7.594000 | 2.300000 | 7.354000 |
| 0.120000 | Normal | 0.100000 | Activity | 3.828e-005 | 7.114000 | 7.594000 | 2.300000 | 7.354000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 32.9496 | -116.3557 |
| 32.9826 | -116.4070 |
| 33.0109 | -116.4602 |
| 33.0493 | -116.5192 |
| 33.1225 | -116.6280 |
| 33.1781 | -116.6903 |
| 33.2087 | -116.7292 |
| 33.2465 | -116.7910 |
| 33.2790 | -116.8440 |
| 33.3320 | -116.9520 |
| 33.3409 | -117.0082 |

Name: Elsinore;J+CM
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.489

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 83.5 | 0 | 0.001 | 16.89 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Delta1 | Weight | Delta2 | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.010000 | 0.25 | 10.000000 | Activity | 2.902e-004 | 7.215000 | 7.695000 | 2.300000 | 7.455000 |
| 0.120000 | Normal | 0.010000 | 0.100000 | 10.000000 | Activity | 2.902e-004 | 7.215000 | 7.695000 | 2.300000 | 7.455000 |
| 0.120000 | Normal | 0.010000 | 0.150000 | 10.000000 | Activity | 2.902e-004 | 7.215000 | 7.695000 | 2.300000 | 7.455000 |
| 0.120000 | Normal | 0.010000 | 0.250000 | 10.000000 | Activity | 1.756e-004 | 7.249000 | 7.729000 | 2.300000 | 7.489000 |
| 0.120000 | Normal | 0.010000 | 0.100000 | 10.000000 | Activity | 1.756e-004 | 7.249000 | 7.729000 | 2.300000 | 7.489000 |
| 0.120000 | Normal | 0.010000 | 0.150000 | 10.000000 | Activity | 1.756e-004 | 7.249000 | 7.729000 | 2.300000 | 7.489000 |
| 0.120000 | Normal | 0.010000 | 0.250000 | 10.000000 | Activity | 1.756e-004 | 7.249000 | 7.729000 | 2.300000 | 7.489000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 32.7790 | -116.0060 |
| 32.8144 | -116.0990 |
| 32.8377 | -116.1780 |
| 32.8892 | -116.2302 |
| 32.9308 | -116.2644 |
| 32.9748 | -116.3367 |
| 32.9496 | -116.3557 |
| 32.9826 | -116.4070 |
| 33.0109 | -116.4602 |
| 33.0493 | -116.5192 |
| 33.1225 | -116.6280 |
| 33.1781 | -116.6903 |
| 33.2087 | -116.7292 |
| 33.2465 | -116.7910 |
| 33.2790 | -116.8440 |
| 33.3320 | -116.9520 |
| 33.3409 | -117.0082 |

Name: Elsinore;T

Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.066

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 14 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 6.142e-004 | 6.826000 | 7.306000 | 2.300000 | 7.066000 |
| 0.120000 | Normal | 0.250000 | Activity | 6.142e-004 | 6.652000 | 7.132000 | 2.300000 | 6.892000 |
| 0.120000 | Normal | 0.125000 | Activity | 3.494e-004 | 6.652000 | 7.132000 | 2.300000 | 6.892000 |
| 0.120000 | Normal | 0.050000 | Activity | 3.494e-004 | 6.652000 | 7.132000 | 2.300000 | 6.892000 |
| 0.120000 | Normal | 0.075000 | Activity | 3.494e-004 | 6.652000 | 7.132000 | 2.300000 | 6.892000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.258e-004 | 6.826000 | 7.306000 | 2.300000 | 7.066000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.258e-004 | 6.826000 | 7.306000 | 2.300000 | 7.066000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.258e-004 | 6.826000 | 7.306000 | 2.300000 | 7.066000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.258e-004 | 6.826000 | 7.306000 | 2.300000 | 7.066000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.6677 | -117.3890 |
| 33.6310 | -117.3157 |
| 33.6116 | -117.2810 |
| 33.5590 | -117.2045 |

33.5289 -117.1721
 33.4975 -117.1417
 33.4230 -117.0533
 33.3914 -117.0309
 33.3703 -117.0152
 33.3409 -117.0082

Name: Elsinore;T+J
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.535

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 86 | 0 | 0.001 | 16.96 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 1.258e-004 | 7.276000 | 7.756000 | 2.300000 | 7.516000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.258e-004 | 7.276000 | 7.756000 | 2.300000 | 7.516000 |
| 0.120000 | Normal | 0.150000 | Activity | 1.258e-004 | 7.276000 | 7.756000 | 2.300000 | 7.516000 |
| 0.120000 | Normal | 0.250000 | Activity | 1.258e-004 | 7.295000 | 7.775000 | 2.300000 | 7.535000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.258e-004 | 7.295000 | 7.775000 | 2.300000 | 7.535000 |
| 0.120000 | Normal | 0.150000 | Activity | 1.258e-004 | 7.295000 | 7.775000 | 2.300000 | 7.535000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 32.9496 | -116.3557 |
| 32.9826 | -116.4070 |
| 33.0109 | -116.4602 |
| 33.0493 | -116.5192 |

33.1225 -116.6280
 33.1781 -116.6903
 33.2087 -116.7292
 33.2465 -116.7910
 33.2790 -116.8440
 33.3320 -116.9520
 33.3409 -117.0082
 33.3703 -117.0152
 33.3914 -117.0309
 33.4230 -117.0533
 33.4975 -117.1417
 33.5289 -117.1721
 33.5590 -117.2045
 33.6116 -117.2810
 33.6310 -117.3157
 33.6677 -117.3890

Name: Elsinore;T+J+CM
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.64

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 85.3 | 0 | 0.001 | 15.95 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 2.516e-004 | 7.388000 | 7.868000 | 2.300000 | 7.628000 |
| 0.120000 | Normal | 0.250000 | Activity | 2.516e-004 | 7.400000 | 7.880000 | 2.300000 | 7.640000 |
| 0.120000 | Normal | 0.125000 | Activity | 2.552e-004 | 7.400000 | 7.880000 | 2.300000 | 7.640000 |
| 0.120000 | Normal | 0.050000 | Activity | 2.552e-004 | 7.400000 | 7.880000 | 2.300000 | 7.640000 |
| 0.120000 | Normal | 0.075000 | Activity | 2.552e-004 | 7.400000 | 7.880000 | 2.300000 | 7.640000 |
| 0.120000 | Normal | 0.125000 | Activity | 2.819e-004 | 7.388000 | 7.868000 | 2.300000 | 7.628000 |
| 0.120000 | Normal | 0.050000 | Activity | 2.819e-004 | 7.388000 | 7.868000 | 2.300000 | 7.628000 |
| 0.120000 | Normal | 0.075000 | Activity | 2.819e-004 | 7.388000 | 7.868000 | 2.300000 | 7.628000 |
| 0.120000 | Normal | 0.075000 | Activity | 2.819e-004 | 7.388000 | 7.868000 | 2.300000 | 7.628000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

```
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
```

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 32.7790 | -116.0060 |
| 32.8144 | -116.0990 |
| 32.8377 | -116.1780 |
| 32.8892 | -116.2302 |
| 32.9308 | -116.2644 |
| 32.9748 | -116.3367 |
| 32.9496 | -116.3557 |
| 32.9826 | -116.4070 |
| 33.0109 | -116.4602 |
| 33.0493 | -116.5192 |
| 33.1225 | -116.6280 |
| 33.1781 | -116.6903 |
| 33.2087 | -116.7292 |
| 33.2465 | -116.7910 |
| 33.2790 | -116.8440 |
| 33.3320 | -116.9520 |
| 33.3409 | -117.0082 |
| 33.3703 | -117.0152 |
| 33.3914 | -117.0309 |
| 33.4230 | -117.0533 |
| 33.4975 | -117.1417 |
| 33.5289 | -117.1721 |
| 33.5590 | -117.2045 |
| 33.6116 | -117.2810 |
| 33.6310 | -117.3157 |
| 33.6677 | -117.3890 |

Name: Elsinore;W
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.029

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 75 | 0 | 0.001 | 14.49 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|-------|-----------|--------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| | Normal | 0.25 | Activity | 7.190e-004 | 6.789000 | 7.269000 | 2.300000 | 7.029000 |

```

0.120000  0.010000  10.000000
           Normal  0.250000  Activity  7.190e-004  6.602000  7.082000  2.300000  6.842000
0.120000  0.010000  10.000000
           Normal  0.125000  Activity  1.377e-003  6.602000  7.082000  2.300000  6.842000
0.120000  0.010000  10.000000
           Normal  0.050000  Activity  1.377e-003  6.602000  7.082000  2.300000  6.842000
0.120000  0.010000  10.000000
           Normal  0.075000  Activity  1.377e-003  6.602000  7.082000  2.300000  6.842000
0.120000  0.010000  10.000000
           Normal  0.125000  Activity  9.239e-004  6.789000  7.269000  2.300000  7.029000
0.120000  0.010000  10.000000
           Normal  0.050000  Activity  9.239e-004  6.789000  7.269000  2.300000  7.029000
0.120000  0.010000  10.000000
           Normal  0.075000  Activity  9.239e-004  6.789000  7.269000  2.300000  7.029000
0.120000  0.010000  10.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.8289 | -117.5900 |
| 33.8511 | -117.6360 |
| 33.8733 | -117.7170 |
| 33.9074 | -117.7920 |
| 33.9297 | -117.8520 |
| 33.9712 | -117.9920 |
| 33.9950 | -118.0480 |

Name: Elsinore;W+GI
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.266

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 81.3 | 0 | 0.001 | 13.84 |

Magnitude Recurrence Distributions:

| Sigma | ModelType Delta1 | Weight Delta2 | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|---------------------|------------------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 1.411e-004 | 6.918000 | 7.398000 | 2.300000 | 7.158000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.411e-004 | 6.918000 | 7.398000 | 2.300000 | 7.158000 |
| 0.120000 | Normal | 0.150000 | Activity | 1.411e-004 | 6.918000 | 7.398000 | 2.300000 | 7.158000 |
| 0.120000 | Normal | 0.250000 | Activity | 2.516e-005 | 7.026000 | 7.506000 | 2.300000 | 7.266000 |
| 0.120000 | Normal | 0.100000 | Activity | 2.516e-005 | 7.026000 | 7.506000 | 2.300000 | 7.266000 |
| 0.120000 | Normal | 0.150000 | Activity | 2.516e-005 | 7.026000 | 7.506000 | 2.300000 | 7.266000 |
| 0.120000 | Normal | 0.100000 | Activity | 2.516e-005 | 7.026000 | 7.506000 | 2.300000 | 7.266000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|--------------------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.6265 | -117.2744 |
| 33.6852 | -117.3727 |
| 33.7045 | -117.4026 |
| 33.7185 | -117.4242 |
| 33.7318 | -117.4457 |
| 33.7451 | -117.4633 |
| 33.8129 | -117.5480 |
| 33.8289 | -117.5900 |
| 33.8511 | -117.6360 |
| 33.8733 | -117.7170 |
| 33.9074 | -117.7920 |
| 33.9297 | -117.8520 |
| 33.9712 | -117.9920 |
| 33.9950 | -118.0480 |

Name: Elsinore;W+GI+T
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.478

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 83.6 | 0 | 0.001 | 13.91 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 9.100e-005 | 7.201000 | 7.681000 | 2.300000 | 7.441000 |
| | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.100000 | Activity | 9.100e-005 | 7.201000 | 7.681000 | 2.300000 | 7.441000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.150000 | Activity | 9.100e-005 | 7.201000 | 7.681000 | 2.300000 | 7.441000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.250000 | Activity | 2.516e-005 | 7.238000 | 7.718000 | 2.300000 | 7.478000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.100000 | Activity | 2.516e-005 | 7.238000 | 7.718000 | 2.300000 | 7.478000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.150000 | Activity | 2.516e-005 | 7.238000 | 7.718000 | 2.300000 | 7.478000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.3409 | -117.0082 |
| 33.3703 | -117.0152 |
| 33.3914 | -117.0309 |
| 33.4230 | -117.0533 |
| 33.4975 | -117.1417 |
| 33.5289 | -117.1721 |
| 33.5590 | -117.2045 |
| 33.6116 | -117.2810 |
| 33.6852 | -117.3727 |
| 33.7045 | -117.4026 |
| 33.7185 | -117.4242 |
| 33.7318 | -117.4457 |
| 33.7451 | -117.4633 |
| 33.8129 | -117.5480 |
| 33.8289 | -117.5900 |
| 33.8511 | -117.6360 |
| 33.8733 | -117.7170 |
| 33.9074 | -117.7920 |

33.9297 -117.8520
 33.9712 -117.9920
 33.9950 -118.0480

Name: Elsinore;W+GI+T+J
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.766

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 83.8 | 0 | 0.001 | 15.91 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| | Deltal | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 2.516e-005 | 7.526000 | 8.006000 | 2.300000 | 7.766000 |
| 0.120000 | Normal | 0.100000 | Activity | 2.516e-005 | 7.526000 | 8.006000 | 2.300000 | 7.766000 |
| 0.120000 | Normal | 0.150000 | Activity | 2.516e-005 | 7.526000 | 8.006000 | 2.300000 | 7.766000 |
| 0.120000 | Normal | 0.250000 | Activity | 2.516e-005 | 7.482000 | 7.962000 | 2.300000 | 7.722000 |
| 0.120000 | Normal | 0.100000 | Activity | 2.516e-005 | 7.482000 | 7.962000 | 2.300000 | 7.722000 |
| 0.120000 | Normal | 0.150000 | Activity | 2.516e-005 | 7.482000 | 7.962000 | 2.300000 | 7.722000 |
| 0.120000 | Normal | 0.100000 | Activity | 2.516e-005 | 7.482000 | 7.962000 | 2.300000 | 7.722000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 32.9496 | -116.3557 |
| 32.9826 | -116.4070 |
| 33.0109 | -116.4602 |
| 33.0493 | -116.5192 |
| 33.1225 | -116.6280 |
| 33.1781 | -116.6903 |
| 33.2087 | -116.7292 |

33.2465 -116.7910
 33.2790 -116.8440
 33.3320 -116.9520
 33.3409 -117.0082
 33.3703 -117.0152
 33.3914 -117.0309
 33.4230 -117.0533
 33.4975 -117.1417
 33.5289 -117.1721
 33.5590 -117.2045
 33.6116 -117.2810
 33.6852 -117.3727
 33.7045 -117.4026
 33.7185 -117.4242
 33.7318 -117.4457
 33.7451 -117.4633
 33.8129 -117.5480
 33.8289 -117.5900
 33.8511 -117.6360
 33.8733 -117.7170
 33.9074 -117.7920
 33.9297 -117.8520
 33.9712 -117.9920
 33.9950 -118.0480

Name: Elsinore;W+GI+T+J+CM
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.4500000
 Deterministic Magnitude: 7.849

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 83.5 | 0 | 0.001 | 15.9 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 2.516e-005 | 7.609000 | 8.089000 | 2.300000 | 7.849000 |
| 0.120000 | Normal | 0.100000 | Activity | 2.516e-005 | 7.609000 | 8.089000 | 2.300000 | 7.849000 |
| 0.120000 | Normal | 0.150000 | Activity | 2.516e-005 | 7.609000 | 8.089000 | 2.300000 | 7.849000 |
| 0.120000 | Normal | 0.250000 | Activity | 2.516e-005 | 7.545000 | 8.025000 | 2.300000 | 7.785000 |
| 0.120000 | Normal | 0.100000 | Activity | 2.516e-005 | 7.545000 | 8.025000 | 2.300000 | 7.785000 |
| 0.120000 | Normal | 0.150000 | Activity | 2.516e-005 | 7.545000 | 8.025000 | 2.300000 | 7.785000 |
| 0.120000 | Normal | 0.100000 | Activity | 2.516e-005 | 7.545000 | 8.025000 | 2.300000 | 7.785000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|--------------------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

```
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
```

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 32.7790 | -116.0060 |
| 32.8144 | -116.0990 |
| 32.8377 | -116.1780 |
| 32.8892 | -116.2302 |
| 32.9308 | -116.2644 |
| 32.9748 | -116.3367 |
| 32.9496 | -116.3557 |
| 32.9826 | -116.4070 |
| 33.0109 | -116.4602 |
| 33.0493 | -116.5192 |
| 33.1225 | -116.6280 |
| 33.1781 | -116.6903 |
| 33.2087 | -116.7292 |
| 33.2465 | -116.7910 |
| 33.2790 | -116.8440 |
| 33.3320 | -116.9520 |
| 33.3409 | -117.0082 |
| 33.3703 | -117.0152 |
| 33.3914 | -117.0309 |
| 33.4230 | -117.0533 |
| 33.4975 | -117.1417 |
| 33.5289 | -117.1721 |
| 33.5590 | -117.2045 |
| 33.6116 | -117.2810 |
| 33.6852 | -117.3727 |
| 33.7045 | -117.4026 |
| 33.7185 | -117.4242 |
| 33.7318 | -117.4457 |
| 33.7451 | -117.4633 |
| 33.8129 | -117.5480 |
| 33.8289 | -117.5900 |
| 33.8511 | -117.6360 |
| 33.8733 | -117.7170 |
| 33.9074 | -117.7920 |
| 33.9297 | -117.8520 |
| 33.9712 | -117.9920 |
| 33.9950 | -118.0480 |

----- End Nested Sources for Elsinore -----

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-----------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |

| | | |
|---|----------|-------------------------------|
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Garlock
 Region: USGS 2008 California
 Category: Composite Seismic Source
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1
 ----- Start Nested Sources for Garlock -----

Name: Garlock
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.1000000
 Deterministic Magnitude: 7.7

Fault Profile Parameters:

| | | | | |
|------|------|--------|--------|--------|
| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
| 90 | 90 | 0.3 | 0.301 | 12.3 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.000000 | Exponential | 0.25 | Activity | 5.235e-003 | 6.500000 | 7.700000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.100000 | Activity | 5.235e-003 | 6.500000 | 7.700000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.150000 | Activity | 5.235e-003 | 6.500000 | 7.700000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.250000 | Activity | 5.235e-003 | 6.500000 | 7.700000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.100000 | Activity | 5.235e-003 | 6.500000 | 7.700000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.150000 | Activity | 5.235e-003 | 6.500000 | 7.700000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----|----|------|----|----|------|-----------|
| Ba Sigw | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 35.5904 | -116.3797 |
| 35.5864 | -116.4670 |
| 35.5936 | -116.5908 |
| 35.5967 | -116.8180 |
| 35.5983 | -116.8789 |
| 35.6018 | -117.0107 |
| 35.5676 | -117.1579 |
| 35.4972 | -117.4869 |
| 35.4232 | -117.7493 |
| 35.2835 | -118.0240 |
| 35.2713 | -118.0103 |
| 35.2233 | -118.0613 |
| 35.1865 | -118.1191 |
| 35.0788 | -118.3326 |
| 35.0477 | -118.3754 |
| 34.9958 | -118.4747 |
| 34.9314 | -118.6670 |
| 34.8822 | -118.7708 |
| 34.8492 | -118.8228 |
| 34.8284 | -118.8712 |
| 34.8236 | -118.9183 |

Name: Garlock;GC
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.306

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 12 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 7.888e-005 | 7.066000 | 7.546000 | 2.300000 | 7.306000 |
| 0.120000 | Normal | 0.250000 | Activity | 7.888e-005 | 6.971000 | 7.451000 | 2.300000 | 7.211000 |
| 0.120000 | Normal | 0.125000 | Activity | 8.351e-005 | 6.971000 | 7.451000 | 2.300000 | 7.211000 |
| 0.120000 | Normal | 0.050000 | Activity | 8.351e-005 | 6.971000 | 7.451000 | 2.300000 | 7.211000 |
| 0.120000 | Normal | 0.075000 | Activity | 8.351e-005 | 6.971000 | 7.451000 | 2.300000 | 7.211000 |
| 0.120000 | Normal | 0.125000 | Activity | 9.306e-005 | 7.066000 | 7.546000 | 2.300000 | 7.306000 |
| 0.120000 | Normal | 0.050000 | Activity | 9.306e-005 | 7.066000 | 7.546000 | 2.300000 | 7.306000 |
| 0.120000 | Normal | 0.075000 | Activity | 9.306e-005 | 7.066000 | 7.546000 | 2.300000 | 7.306000 |
| 0.120000 | Normal | 0.075000 | Activity | 9.306e-005 | 7.066000 | 7.546000 | 2.300000 | 7.306000 |
| 0.120000 | Normal | 0.075000 | Activity | 9.306e-005 | 7.066000 | 7.546000 | 2.300000 | 7.306000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | | | | | | | |
| Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 35.2835 | -118.0240 |
| 35.4232 | -117.7493 |
| 35.4972 | -117.4869 |
| 35.5676 | -117.1579 |
| 35.6018 | -117.0107 |
| 35.5983 | -116.8789 |

Name: Garlock;GC+GW
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.616

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0.4 | 0.401 | 12.4 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 3.155e-004 | 7.369000 | 7.849000 | 2.300000 | 7.609000 |
| 0.120000 | Normal | 0.250000 | Activity | 3.155e-004 | 7.376000 | 7.856000 | 2.300000 | 7.616000 |
| 0.120000 | Normal | 0.125000 | Activity | 5.506e-004 | 7.376000 | 7.856000 | 2.300000 | 7.616000 |
| 0.120000 | Normal | 0.050000 | Activity | 5.506e-004 | 7.376000 | 7.856000 | 2.300000 | 7.616000 |
| 0.120000 | Normal | 0.075000 | Activity | 5.506e-004 | 7.376000 | 7.856000 | 2.300000 | 7.616000 |
| 0.120000 | Normal | 0.125000 | Activity | 6.016e-004 | 7.369000 | 7.849000 | 2.300000 | 7.609000 |
| 0.120000 | Normal | 0.050000 | Activity | 6.016e-004 | 7.369000 | 7.849000 | 2.300000 | 7.609000 |

0.120000 0.010000 10.000000
 Normal 0.075000 Activity 6.016e-004 7.369000 7.849000 2.300000 7.609000
 0.120000 0.010000 10.000000

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | | | | | | | |
| Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.8236 | -118.9183 |
| 34.8284 | -118.8712 |
| 34.8492 | -118.8228 |
| 34.8822 | -118.7708 |
| 34.9314 | -118.6670 |
| 34.9958 | -118.4747 |
| 35.0477 | -118.3754 |
| 35.0788 | -118.3326 |
| 35.1865 | -118.1191 |
| 35.2233 | -118.0613 |
| 35.2713 | -118.0103 |
| 35.2835 | -118.0240 |
| 35.4232 | -117.7493 |
| 35.4972 | -117.4869 |
| 35.5676 | -117.1579 |
| 35.6018 | -117.0107 |
| 35.5983 | -116.8789 |

Name: Garlock;GE
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 6.915

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 12 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| | Normal | 0.25 | Activity | 6.840e-004 | 6.675000 | 7.155000 | 2.300000 | 6.915000 |
| 0.120000 | 0.010000 | 10.000000 | Activity | 6.840e-004 | 6.455000 | 6.935000 | 2.300000 | 6.695000 |
| | Normal | 0.250000 | Activity | 6.840e-004 | 6.455000 | 6.935000 | 2.300000 | 6.695000 |
| 0.120000 | 0.010000 | 10.000000 | Activity | 6.258e-004 | 6.455000 | 6.935000 | 2.300000 | 6.695000 |
| | Normal | 0.125000 | Activity | 6.258e-004 | 6.455000 | 6.935000 | 2.300000 | 6.695000 |
| 0.120000 | 0.010000 | 10.000000 | Activity | 6.258e-004 | 6.455000 | 6.935000 | 2.300000 | 6.695000 |
| | Normal | 0.050000 | Activity | 6.258e-004 | 6.455000 | 6.935000 | 2.300000 | 6.695000 |
| 0.120000 | 0.010000 | 10.000000 | Activity | 6.258e-004 | 6.455000 | 6.935000 | 2.300000 | 6.695000 |
| | Normal | 0.075000 | Activity | 6.258e-004 | 6.455000 | 6.935000 | 2.300000 | 6.695000 |
| 0.120000 | 0.010000 | 10.000000 | Activity | 3.614e-004 | 6.675000 | 7.155000 | 2.300000 | 6.915000 |
| | Normal | 0.125000 | Activity | 3.614e-004 | 6.675000 | 7.155000 | 2.300000 | 6.915000 |
| 0.120000 | 0.010000 | 10.000000 | Activity | 3.614e-004 | 6.675000 | 7.155000 | 2.300000 | 6.915000 |
| | Normal | 0.050000 | Activity | 3.614e-004 | 6.675000 | 7.155000 | 2.300000 | 6.915000 |
| 0.120000 | 0.010000 | 10.000000 | Activity | 3.614e-004 | 6.675000 | 7.155000 | 2.300000 | 6.915000 |
| | Normal | 0.075000 | Activity | 3.614e-004 | 6.675000 | 7.155000 | 2.300000 | 6.915000 |
| 0.120000 | 0.010000 | 10.000000 | Activity | 3.614e-004 | 6.675000 | 7.155000 | 2.300000 | 6.915000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 35.5983 | -116.8789 |
| 35.5967 | -116.8180 |
| 35.5936 | -116.5908 |
| 35.5864 | -116.4670 |
| 35.5904 | -116.3797 |

Name: Garlock;GE+GC
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.454

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| | | | | |

90 90 0 0.001 12

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 7.888e-005 | 7.214000 | 7.694000 | 2.300000 | 7.454000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.250000 | Activity | 7.888e-005 | 7.169000 | 7.649000 | 2.300000 | 7.409000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.125000 | Activity | 8.357e-005 | 7.169000 | 7.649000 | 2.300000 | 7.409000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.050000 | Activity | 8.357e-005 | 7.169000 | 7.649000 | 2.300000 | 7.409000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.075000 | Activity | 8.357e-005 | 7.169000 | 7.649000 | 2.300000 | 7.409000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.125000 | Activity | 8.999e-005 | 7.214000 | 7.694000 | 2.300000 | 7.454000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.050000 | Activity | 8.999e-005 | 7.214000 | 7.694000 | 2.300000 | 7.454000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.075000 | Activity | 8.999e-005 | 7.214000 | 7.694000 | 2.300000 | 7.454000 |
| | 0.010000 | 10.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 35.5904 | -116.3797 |
| 35.5864 | -116.4670 |
| 35.5936 | -116.5908 |
| 35.5967 | -116.8180 |
| 35.5983 | -116.8789 |
| 35.6018 | -117.0107 |
| 35.5676 | -117.1579 |
| 35.4972 | -117.4869 |
| 35.4232 | -117.7493 |
| 35.2835 | -118.0240 |

Name: Garlock;GE+GC+GW
 Region: USGS 2008 California

Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.723

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0.3 | 0.301 | 12.3 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 3.155e-004 | 7.449000 | 7.929000 | 2.300000 | 7.689000 |
| 0.120000 | Normal | 0.250000 | Activity | 3.155e-004 | 7.483000 | 7.963000 | 2.300000 | 7.723000 |
| 0.120000 | Normal | 0.010000 | Activity | 5.775e-004 | 7.483000 | 7.963000 | 2.300000 | 7.723000 |
| 0.120000 | Normal | 0.010000 | Activity | 5.775e-004 | 7.483000 | 7.963000 | 2.300000 | 7.723000 |
| 0.120000 | Normal | 0.050000 | Activity | 5.775e-004 | 7.483000 | 7.963000 | 2.300000 | 7.723000 |
| 0.120000 | Normal | 0.125000 | Activity | 5.775e-004 | 7.483000 | 7.963000 | 2.300000 | 7.723000 |
| 0.120000 | Normal | 0.010000 | Activity | 5.885e-004 | 7.449000 | 7.929000 | 2.300000 | 7.689000 |
| 0.120000 | Normal | 0.010000 | Activity | 5.885e-004 | 7.449000 | 7.929000 | 2.300000 | 7.689000 |
| 0.120000 | Normal | 0.050000 | Activity | 5.885e-004 | 7.449000 | 7.929000 | 2.300000 | 7.689000 |
| 0.120000 | Normal | 0.075000 | Activity | 5.885e-004 | 7.449000 | 7.929000 | 2.300000 | 7.689000 |
| 0.120000 | Normal | 0.075000 | Activity | 5.885e-004 | 7.449000 | 7.929000 | 2.300000 | 7.689000 |

Rupture Length Parameters

| Ba | Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----|----------------------|----------|----------|----------|----------|----------|----------|----|
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 35.5904 | -116.3797 |
| 35.5864 | -116.4670 |
| 35.5936 | -116.5908 |
| 35.5967 | -116.8180 |
| 35.5983 | -116.8789 |

35.6018 -117.0107
 35.5676 -117.1579
 35.4972 -117.4869
 35.4232 -117.7493
 35.2835 -118.0240
 35.2713 -118.0103
 35.2233 -118.0613
 35.1865 -118.1191
 35.0788 -118.3326
 35.0477 -118.3754
 34.9958 -118.4747
 34.9314 -118.6670
 34.8822 -118.7708
 34.8492 -118.8228
 34.8284 -118.8712
 34.8236 -118.9183

Name: Garlock;GW
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.311

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0.7 | 0.701 | 13.7 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 2.374e-004 | 7.071000 | 7.551000 | 2.300000 | 7.311000 |
| 0.120000 | Normal | 0.250000 | Activity | 2.374e-004 | 6.978000 | 7.458000 | 2.300000 | 7.218000 |
| 0.120000 | Normal | 0.125000 | Activity | 2.614e-004 | 6.978000 | 7.458000 | 2.300000 | 7.218000 |
| 0.120000 | Normal | 0.050000 | Activity | 2.614e-004 | 6.978000 | 7.458000 | 2.300000 | 7.218000 |
| 0.120000 | Normal | 0.075000 | Activity | 2.614e-004 | 6.978000 | 7.458000 | 2.300000 | 7.218000 |
| 0.120000 | Normal | 0.125000 | Activity | 2.195e-004 | 7.071000 | 7.551000 | 2.300000 | 7.311000 |
| 0.120000 | Normal | 0.050000 | Activity | 2.195e-004 | 7.071000 | 7.551000 | 2.300000 | 7.311000 |
| 0.120000 | Normal | 0.075000 | Activity | 2.195e-004 | 7.071000 | 7.551000 | 2.300000 | 7.311000 |
| 0.120000 | Normal | 0.075000 | Activity | 2.195e-004 | 7.071000 | 7.551000 | 2.300000 | 7.311000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|--------------------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- -- | -- | -- | -- | -- | -- | -- | -- |
| -- Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- -- | -- | -- | -- | -- | -- | -- | -- |
| -- Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

```
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
```

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.8236 | -118.9183 |
| 34.8284 | -118.8712 |
| 34.8492 | -118.8228 |
| 34.8822 | -118.7708 |
| 34.9314 | -118.6670 |
| 34.9958 | -118.4747 |
| 35.0477 | -118.3754 |
| 35.0788 | -118.3326 |
| 35.1865 | -118.1191 |
| 35.2233 | -118.0613 |
| 35.2713 | -118.0103 |

----- End Nested Sources for Garlock -----

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Malibu Coast
 Region: USGS 2008 California
 Category:Composite Seismic Source
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1
 ----- Start Nested Sources forMalibu Coast -----

Name: Malibu Coast, alt 1
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.50000000
 Deterministic Magnitude: 6.7

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 75 | 0 | 0.001 | 7.727 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|----------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.083333 | Activity | 1.827e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.083333 | Activity | 3.645e-004 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.000000 | Exponential | 0.083335 | Activity | 2.779e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083335 | Activity | 2.732e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.166670 | Activity | 3.917e-004 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 1.827e-004 | 6.460000 | 6.940000 | 2.300000 | 6.700000 |
| 0.120000 | Normal | 0.166670 | Activity | 3.645e-004 | 6.260000 | 6.740000 | 2.300000 | 6.500000 |
| 0.000000 | Exponential | 0.041665 | Activity | 2.779e-004 | 6.500000 | 6.700000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 2.732e-004 | 6.500000 | 6.700000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.083330 | Activity | 3.917e-004 | 6.499000 | 6.501000 | 2.300000 | 0.000000 |

Rupture Length Parameters

| Rupture | Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.0287 | -118.5250 |
| 34.0374 | -118.6200 |
| 34.0392 | -118.6800 |
| 34.0323 | -118.7270 |
| 34.0330 | -118.7980 |
| 34.0464 | -118.9330 |

Name: Malibu Coast, alt 2
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.50000000
 Deterministic Magnitude: 7

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 74 | 0 | 0.001 | 16.34 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.16667 | Activity | 1.386e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 2.766e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.000000 | Exponential | 0.041665 | Activity | 3.565e-004 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 3.144e-004 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 5.009e-004 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 4.796e-004 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 1.386e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | Normal | 0.166670 | Activity | 2.766e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.000000 | Exponential | 0.041665 | Activity | 3.565e-004 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 3.144e-004 | 6.500000 | 7.000000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 5.009e-004 | 6.500000 | 6.800000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.041665 | Activity | 4.796e-004 | 6.500000 | 6.800000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

```

Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
-- --
Area -- -- -- -- -- -- -4.153061
1.020408 0.240000
Area -- -- -- -- -- -- -4.153061
1.020408 0.240000
Area -- -- -- -- -- -- -4.153061
1.020408 0.240000
Area -- -- -- -- -- -- -4.153061
1.020408 0.240000

```

Trace Coordinates:

```

Latitude Longitude
34.0287 -118.5250
34.0374 -118.6200
34.0392 -118.6800
34.0323 -118.7270
34.0330 -118.7980
34.0464 -118.9330

```

----- End Nested Sources for Malibu Coast -----

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Newport-Inglewood
 Region: USGS 2008 California
 Category: Composite Seismic Source
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1

----- Start Nested Sources for Newport-Inglewood -----

Name: Newport Inglewood Connected al
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.16660000
 Deterministic Magnitude: 7.5

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 11 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.000000 | Exponential | 0.125 | Activity | 2.205e-003 | 6.500000 | 7.500000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.125000 | Activity | 1.360e-003 | 6.500000 | 7.500000 | 1.842068 | 0.000000 |

```

0.000000 0.000000 0.000000
    Exponential 0.125000 Activity 2.205e-003 6.500000 7.500000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.125000 Activity 1.360e-003 6.500000 7.500000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.125000 Activity 2.213e-003 6.500000 7.500000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.125000 Activity 1.366e-003 6.500000 7.500000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.125000 Activity 2.213e-003 6.500000 7.500000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.125000 Activity 1.366e-003 6.500000 7.500000 1.842068 0.000000
0.000000 0.000000 0.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----|----|------|----|----|------|-----------|
| Ba | Sigw | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 32.5603 | -117.1473 |
| 32.6033 | -117.1505 |
| 32.6478 | -117.1654 |
| 32.7099 | -117.1621 |
| 32.7290 | -117.1704 |
| 32.7595 | -117.1976 |
| 32.8011 | -117.2100 |
| 32.8355 | -117.2413 |
| 32.8545 | -117.2636 |
| 33.0189 | -117.3251 |
| 33.0858 | -117.3769 |
| 33.0971 | -117.3961 |
| 33.1082 | -117.4110 |
| 33.1225 | -117.4234 |
| 33.1559 | -117.4291 |
| 33.2163 | -117.4870 |
| 33.2515 | -117.5473 |
| 33.4024 | -117.6882 |
| 33.5080 | -117.7989 |
| 33.5910 | -117.9146 |
| 33.6127 | -117.9340 |

33.6745 -117.9930
 33.7045 -118.0436
 33.7179 -118.0630
 33.7355 -118.0757
 33.7649 -118.1138
 33.7887 -118.1504
 33.8267 -118.2057
 33.8321 -118.2128
 33.8438 -118.2322
 33.8847 -118.2643
 33.9115 -118.2881
 33.9306 -118.3038
 33.9333 -118.3182
 33.9479 -118.3288
 33.9616 -118.3531
 33.9888 -118.3603
 34.0024 -118.3672
 34.0433 -118.3896

Name: Newport Inglewood Connected alt 1
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.16667000
 Deterministic Magnitude: 7.5

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 89.1 | 0 | 0.001 | 11 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.5 | Activity | 3.531e-004 | 7.260000 | 7.740000 | 2.300000 | 7.500000 |
| 0.120000 | Normal | 0.500000 | Activity | 3.531e-004 | 7.260000 | 7.740000 | 2.300000 | 7.500000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 32.5603 | -117.1473 |
| 32.6033 | -117.1505 |
| 32.6478 | -117.1654 |
| 32.7099 | -117.1621 |
| 32.7290 | -117.1704 |
| 32.7595 | -117.1976 |
| 32.8011 | -117.2100 |
| 32.8355 | -117.2413 |

32.8545 -117.2636
 33.0189 -117.3251
 33.0858 -117.3769
 33.0971 -117.3961
 33.1082 -117.4110
 33.1225 -117.4234
 33.1559 -117.4291
 33.2163 -117.4870
 33.2515 -117.5473
 33.4024 -117.6882
 33.5080 -117.7989
 33.5910 -117.9146
 33.6127 -117.9340
 33.6745 -117.9930
 33.7045 -118.0436
 33.7179 -118.0630
 33.7355 -118.0757
 33.7649 -118.1138
 33.7887 -118.1504
 33.8267 -118.2057
 33.8321 -118.2128
 33.8438 -118.2322
 33.8847 -118.2643
 33.9115 -118.2881
 33.9306 -118.3038
 33.9333 -118.3182
 33.9479 -118.3288
 33.9616 -118.3531
 33.9888 -118.3603
 34.0024 -118.3672
 34.0433 -118.3896

Name: Newport Inglewood Connected alt 2
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.16667000
 Deterministic Magnitude: 7.5

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 11 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.5 | Activity | 3.546e-004 | 7.260000 | 7.740000 | 2.300000 | 7.500000 |
| 0.120000 | Normal | 0.500000 | Activity | 3.546e-004 | 7.260000 | 7.740000 | 2.300000 | 7.500000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | |

Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
 -- --

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 32.5603 | -117.1473 |
| 32.6033 | -117.1505 |
| 32.6478 | -117.1654 |
| 32.7099 | -117.1621 |
| 32.7290 | -117.1704 |
| 32.7595 | -117.1976 |
| 32.8011 | -117.2100 |
| 32.8355 | -117.2413 |
| 32.8545 | -117.2636 |
| 33.0189 | -117.3251 |
| 33.0858 | -117.3769 |
| 33.0971 | -117.3961 |
| 33.1082 | -117.4110 |
| 33.1225 | -117.4234 |
| 33.1559 | -117.4291 |
| 33.2163 | -117.4870 |
| 33.2515 | -117.5473 |
| 33.4024 | -117.6882 |
| 33.5080 | -117.7989 |
| 33.5910 | -117.9146 |
| 33.6060 | -117.9247 |
| 33.6780 | -117.9949 |
| 33.6954 | -118.0326 |
| 33.7512 | -118.0927 |
| 33.8204 | -118.1951 |
| 33.8503 | -118.2157 |
| 33.8715 | -118.2479 |
| 33.9132 | -118.2811 |
| 33.9566 | -118.3315 |
| 34.0433 | -118.3896 |

Name: Newport-Inglewood (Offshore)
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.50000000
 Deterministic Magnitude: 7

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 10 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.08333 | Activity | 7.198e-004 | 6.760000 | 7.240000 | 2.300000 | 7.000000 |
| 0.120000 | Normal | 0.083330 | Activity | 1.436e-003 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.000000 | Exponential | 0.083335 | Activity | 1.851e-003 | 6.500000 | 7.000000 | 1.842068 | 0.000000 |

```

    Exponential 0.083335 Activity 1.632e-003 6.500000 7.000000 0.000000 0.000000
0.000000 0.000000 0.000000
    Exponential 0.083335 Activity 2.601e-003 6.500000 6.800000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.083335 Activity 2.490e-003 6.500000 6.800000 0.000000 0.000000
0.000000 0.000000 0.000000
    Normal 0.166670 Activity 7.198e-004 6.760000 7.240000 2.300000 7.000000
0.120000 0.010000 10.000000
    Normal 0.166670 Activity 1.436e-003 6.560000 7.040000 2.300000 6.800000
0.120000 0.010000 10.000000
    Exponential 0.041665 Activity 1.851e-003 6.500000 7.000000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.041665 Activity 1.632e-003 6.500000 7.000000 0.000000 0.000000
0.000000 0.000000 0.000000
    Exponential 0.041665 Activity 2.601e-003 6.500000 6.800000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.041665 Activity 2.490e-003 6.500000 6.800000 0.000000 0.000000
0.000000 0.000000 0.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.5910 | -117.9146 |
| 33.5080 | -117.7989 |
| 33.4024 | -117.6882 |
| 33.2515 | -117.5473 |
| 33.2163 | -117.4870 |
| 33.1559 | -117.4291 |

Name: Newport-Inglewood, alt 1

Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.25000000
 Deterministic Magnitude: 7.2

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 88 | 0 | 0.001 | 14.99 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.166666 | Activity | 3.481e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.166666 | Activity | 4.916e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.000000 | Exponential | 0.166670 | Activity | 1.274e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.166670 | Activity | 9.976e-004 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.166670 | Activity | 1.508e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.166670 | Activity | 1.259e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.6127 | -117.9340 |
| 33.6745 | -117.9930 |
| 33.7045 | -118.0436 |
| 33.7179 | -118.0630 |
| 33.7355 | -118.0757 |
| 33.7649 | -118.1138 |
| 33.7887 | -118.1504 |
| 33.8267 | -118.2057 |
| 33.8321 | -118.2128 |
| 33.8438 | -118.2322 |
| 33.8847 | -118.2643 |
| 33.9115 | -118.2881 |

33.9306 -118.3038
 33.9333 -118.3182
 33.9479 -118.3288
 33.9616 -118.3531
 33.9888 -118.3603
 34.0024 -118.3672
 34.0433 -118.3896

Name: Newport-Inglewood, alt 2
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.25000000
 Deterministic Magnitude: 7.2

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 15 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.33334 | Activity | 3.521e-004 | 6.960000 | 7.440000 | 2.300000 | 7.200000 |
| 0.120000 | Normal | 0.333340 | Activity | 4.973e-004 | 6.860000 | 7.340000 | 2.300000 | 7.100000 |
| 0.000000 | Exponential | 0.083330 | Activity | 1.289e-003 | 6.500000 | 7.200000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083330 | Activity | 1.009e-003 | 6.500000 | 7.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.083330 | Activity | 1.525e-003 | 6.500000 | 7.100000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.083330 | Activity | 1.273e-003 | 6.500000 | 7.100000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.6060 | -117.9247 |
| 33.6780 | -117.9949 |
| 33.6954 | -118.0326 |

33.7512 -118.0927
 33.8204 -118.1951
 33.8503 -118.2157
 33.8715 -118.2479
 33.9132 -118.2811
 33.9566 -118.3315
 34.0433 -118.3896

----- End Nested Sources for Newport-Inglewood -----

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: Southern San Andreas
 Region: USGS 2008 California
 Category:Composite Seismic Source
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1

----- Start Nested Sources for Southern San Andreas -----

Name: S. San Andreas
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.10000000
 Deterministic Magnitude: 8.2

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 86.1 | 0.1 | 0.101 | 13.07 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| Delta1 | Delta2 | | | | | | | |
| 0.000000 | Exponential | 0.25 | Activity | 2.233e-002 | 6.500000 | 8.000000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.100000 | Activity | 2.080e-002 | 6.500000 | 8.000000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.150000 | Activity | 2.296e-002 | 6.500000 | 8.000000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.250000 | Activity | 1.265e-002 | 6.500000 | 8.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.100000 | Activity | 1.178e-002 | 6.500000 | 8.200000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.150000 | Activity | 1.300e-002 | 6.500000 | 8.200000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----|----|------|----|----|------|----|
|----------------------|----|----|------|----|----|------|----|

| | | | | | | | | | |
|----------|----------|------|----|----|----|----|----|----|-----------|
| Ba | Sigw | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.3501 | -115.7119 |
| 33.7882 | -116.2463 |
| 33.8485 | -116.3830 |
| 33.8481 | -116.4265 |
| 33.8847 | -116.5169 |
| 33.9070 | -116.5849 |
| 33.9176 | -116.6239 |
| 33.9442 | -116.6858 |
| 33.9374 | -116.7786 |
| 33.9532 | -116.8014 |
| 33.9591 | -116.8198 |
| 34.0114 | -116.8735 |
| 34.0338 | -116.9024 |
| 34.0738 | -117.0139 |
| 34.0928 | -117.0677 |
| 34.1500 | -117.2220 |
| 34.1731 | -117.2742 |
| 34.2328 | -117.3887 |
| 34.2709 | -117.4510 |
| 34.3163 | -117.5490 |
| 34.4029 | -117.7536 |
| 34.5478 | -118.1039 |
| 34.6985 | -118.5090 |
| 34.7732 | -118.7673 |
| 34.8072 | -118.8876 |
| 34.8076 | -118.8901 |
| 34.8290 | -119.0301 |
| 34.8639 | -119.2100 |
| 34.9157 | -119.3629 |
| 34.9441 | -119.4029 |
| 34.9878 | -119.4711 |
| 35.0475 | -119.5583 |
| 35.1607 | -119.7068 |
| 35.3142 | -119.8660 |
| 35.4139 | -119.9703 |
| 35.5333 | -120.0867 |
| 35.7520 | -120.3001 |
| 36.0027 | -120.5609 |

Name: S. San Andreas;BB
Region: USGS 2008 California

Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.076

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 15 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 3.020e-004 | 6.836000 | 7.316000 | 2.300000 | 7.076000 |
| 0.120000 | Normal | 0.250000 | Activity | 3.020e-004 | 6.664000 | 7.144000 | 2.300000 | 6.904000 |
| 0.120000 | Normal | 0.125000 | Activity | 5.293e-004 | 6.664000 | 7.144000 | 2.300000 | 6.904000 |
| 0.120000 | Normal | 0.050000 | Activity | 5.399e-004 | 6.664000 | 7.144000 | 2.300000 | 6.904000 |
| 0.120000 | Normal | 0.075000 | Activity | 5.158e-004 | 6.664000 | 7.144000 | 2.300000 | 6.904000 |
| 0.120000 | Normal | 0.125000 | Activity | 5.762e-004 | 6.836000 | 7.316000 | 2.300000 | 7.076000 |
| 0.120000 | Normal | 0.050000 | Activity | 5.818e-004 | 6.836000 | 7.316000 | 2.300000 | 7.076000 |
| 0.120000 | Normal | 0.075000 | Activity | 5.644e-004 | 6.836000 | 7.316000 | 2.300000 | 7.076000 |

Rupture Length Parameters

| Ba | Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----|----------------------|----------|----------|----------|----------|----------|----------|----|
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.9441 | -119.4029 |
| 34.9157 | -119.3629 |
| 34.8639 | -119.2100 |
| 34.8290 | -119.0301 |
| 34.8076 | -118.8901 |

Name: S. San Andreas;BB+NM
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.316

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 15 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 1.007e-006 | 6.985000 | 7.465000 | 2.300000 | 7.225000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.007e-006 | 6.985000 | 7.465000 | 2.300000 | 7.225000 |
| 0.120000 | Normal | 0.150000 | Activity | 1.007e-006 | 6.985000 | 7.465000 | 2.300000 | 7.225000 |
| 0.120000 | Normal | 0.250000 | Activity | 1.007e-006 | 7.076000 | 7.556000 | 2.300000 | 7.316000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.007e-006 | 7.076000 | 7.556000 | 2.300000 | 7.316000 |
| 0.120000 | Normal | 0.150000 | Activity | 1.007e-006 | 7.076000 | 7.556000 | 2.300000 | 7.316000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.007e-006 | 7.076000 | 7.556000 | 2.300000 | 7.316000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.9441 | -119.4029 |
| 34.9157 | -119.3629 |
| 34.8639 | -119.2100 |
| 34.8290 | -119.0301 |
| 34.8076 | -118.8901 |
| 34.8072 | -118.8876 |
| 34.7732 | -118.7673 |
| 34.6985 | -118.5090 |

Name: S. San Andreas;BB+NM+SM

Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.62

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 14 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 2.516e-004 | 7.373000 | 7.853000 | 2.300000 | 7.613000 |
| 0.120000 | Normal | 0.250000 | Activity | 2.516e-004 | 7.380000 | 7.860000 | 2.300000 | 7.620000 |
| 0.120000 | Normal | 0.125000 | Activity | 2.670e-004 | 7.380000 | 7.860000 | 2.300000 | 7.620000 |
| 0.120000 | Normal | 0.050000 | Activity | 2.691e-004 | 7.380000 | 7.860000 | 2.300000 | 7.620000 |
| 0.120000 | Normal | 0.075000 | Activity | 2.424e-004 | 7.380000 | 7.860000 | 2.300000 | 7.620000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.888e-004 | 7.373000 | 7.853000 | 2.300000 | 7.613000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.909e-004 | 7.373000 | 7.853000 | 2.300000 | 7.613000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.787e-004 | 7.373000 | 7.853000 | 2.300000 | 7.613000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.9441 | -119.4029 |
| 34.9157 | -119.3629 |
| 34.8639 | -119.2100 |
| 34.8290 | -119.0301 |

34.8076 -118.8901
 34.8072 -118.8876
 34.7732 -118.7673
 34.6985 -118.5090
 34.5478 -118.1039
 34.4029 -117.7536
 34.3163 -117.5490

Name: S. San Andreas;BB+NM+SM+NSB
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.714

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 14 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 1.007e-006 | 7.474000 | 7.954000 | 2.300000 | 7.714000 |
| | Normal | 0.100000 | Activity | 1.007e-006 | 7.474000 | 7.954000 | 2.300000 | 7.714000 |
| 0.120000 | Normal | 0.150000 | Activity | 1.007e-006 | 7.474000 | 7.954000 | 2.300000 | 7.714000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.007e-006 | 7.443000 | 7.923000 | 2.300000 | 7.683000 |
| 0.120000 | Normal | 0.250000 | Activity | 1.007e-006 | 7.443000 | 7.923000 | 2.300000 | 7.683000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.007e-006 | 7.443000 | 7.923000 | 2.300000 | 7.683000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.007e-006 | 7.443000 | 7.923000 | 2.300000 | 7.683000 |
| 0.120000 | Normal | 0.150000 | Activity | 1.007e-006 | 7.443000 | 7.923000 | 2.300000 | 7.683000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.007e-006 | 7.443000 | 7.923000 | 2.300000 | 7.683000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | | | | | | | |
| Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.9441 | -119.4029 |
| 34.9157 | -119.3629 |
| 34.8639 | -119.2100 |

34.8290 -119.0301
 34.8076 -118.8901
 34.8072 -118.8876
 34.7732 -118.7673
 34.6985 -118.5090
 34.5478 -118.1039
 34.4029 -117.7536
 34.3163 -117.5490
 34.2709 -117.4510
 34.2328 -117.3887
 34.1731 -117.2742
 34.1500 -117.2220

Name: S. San Andreas;BB+NM+SM+NSB+SSB
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.811

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 14 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 5.033e-005 | 7.516000 | 7.996000 | 2.300000 | 7.756000 |
| 0.120000 | Normal | 0.250000 | Activity | 5.033e-005 | 7.571000 | 8.051000 | 2.300000 | 7.811000 |
| 0.120000 | Normal | 0.125000 | Activity | 5.437e-005 | 7.571000 | 8.051000 | 2.300000 | 7.811000 |
| 0.120000 | Normal | 0.050000 | Activity | 5.262e-005 | 7.571000 | 8.051000 | 2.300000 | 7.811000 |
| 0.120000 | Normal | 0.075000 | Activity | 5.845e-005 | 7.571000 | 8.051000 | 2.300000 | 7.811000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.893e-005 | 7.516000 | 7.996000 | 2.300000 | 7.756000 |
| 0.120000 | Normal | 0.050000 | Activity | 4.812e-005 | 7.516000 | 7.996000 | 2.300000 | 7.756000 |
| 0.120000 | Normal | 0.075000 | Activity | 5.158e-005 | 7.516000 | 7.996000 | 2.300000 | 7.756000 |

Rupture Length Parameters

| Rupture Dimensioning | | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

```
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
```

Trace Coordinates:

```
Latitude Longitude
34.9441 -119.4029
34.9157 -119.3629
34.8639 -119.2100
34.8290 -119.0301
34.8076 -118.8901
34.8072 -118.8876
34.7732 -118.7673
34.6985 -118.5090
34.5478 -118.1039
34.4029 -117.7536
34.3163 -117.5490
34.2709 -117.4510
34.2328 -117.3887
34.1731 -117.2742
34.1500 -117.2220
34.0928 -117.0677
34.0738 -117.0139
34.0338 -116.9024
34.0114 -116.8735
33.9591 -116.8198
```

Name: S. San Andreas;BB+NM+SM+NSB+SSB+BG
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.933

Fault Profile Parameters:

```
Dipl    Dip2    Depth1    Depth2    Depth3
  90      83.9      0      0.001    13.92
```

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 1.007e-006 | 7.693000 | 8.173000 | 2.300000 | 7.933000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.007e-006 | 7.693000 | 8.173000 | 2.300000 | 7.933000 |
| 0.120000 | Normal | 0.150000 | Activity | 1.007e-006 | 7.693000 | 8.173000 | 2.300000 | 7.933000 |
| 0.120000 | Normal | 0.010000 | Activity | 1.007e-006 | 7.607000 | 8.087000 | 2.300000 | 7.847000 |
| 0.120000 | Normal | 0.250000 | Activity | 1.007e-006 | 7.607000 | 8.087000 | 2.300000 | 7.847000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.007e-006 | 7.607000 | 8.087000 | 2.300000 | 7.847000 |
| 0.120000 | Normal | 0.010000 | Activity | 1.007e-006 | 7.607000 | 8.087000 | 2.300000 | 7.847000 |
| 0.120000 | Normal | 0.150000 | Activity | 1.007e-006 | 7.607000 | 8.087000 | 2.300000 | 7.847000 |

0.120000 0.010000 10.000000

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.7882 | -116.2463 |
| 33.8485 | -116.3830 |
| 33.8481 | -116.4265 |
| 33.8847 | -116.5169 |
| 33.9070 | -116.5849 |
| 33.9176 | -116.6239 |
| 33.9442 | -116.6858 |
| 33.9374 | -116.7786 |
| 33.9532 | -116.8014 |
| 33.9591 | -116.8198 |
| 34.0114 | -116.8735 |
| 34.0338 | -116.9024 |
| 34.0738 | -117.0139 |
| 34.0928 | -117.0677 |
| 34.1500 | -117.2220 |
| 34.1731 | -117.2742 |
| 34.2328 | -117.3887 |
| 34.2709 | -117.4510 |
| 34.3163 | -117.5490 |
| 34.4029 | -117.7536 |
| 34.5478 | -118.1039 |
| 34.6985 | -118.5090 |
| 34.7732 | -118.7673 |
| 34.8072 | -118.8876 |
| 34.8076 | -118.8901 |
| 34.8290 | -119.0301 |
| 34.8639 | -119.2100 |
| 34.9157 | -119.3629 |
| 34.9441 | -119.4029 |

Name: S. San Andreas;BB+NM+SM+NSB+SSB+BG+CO
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 8.017

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 84.7 | 0.1 | 0.101 | 13.04 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 5.033e-005 | 7.670000 | 8.150000 | 2.300000 | 7.910000 |
| | Normal | 0.250000 | Activity | 5.033e-005 | 7.777000 | 8.257000 | 2.300000 | 8.017000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.709e-005 | 7.777000 | 8.257000 | 2.300000 | 8.017000 |
| 0.120000 | Normal | 0.050000 | Activity | 3.995e-005 | 7.777000 | 8.257000 | 2.300000 | 8.017000 |
| 0.120000 | Normal | 0.075000 | Activity | 5.133e-005 | 7.777000 | 8.257000 | 2.300000 | 8.017000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.511e-005 | 7.670000 | 8.150000 | 2.300000 | 7.910000 |
| 0.120000 | Normal | 0.050000 | Activity | 4.111e-005 | 7.670000 | 8.150000 | 2.300000 | 7.910000 |
| 0.120000 | Normal | 0.075000 | Activity | 4.745e-005 | 7.670000 | 8.150000 | 2.300000 | 7.910000 |
| 0.120000 | Normal | 0.050000 | Activity | 4.745e-005 | 7.670000 | 8.150000 | 2.300000 | 7.910000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa | |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.3501 | -115.7119 |
| 33.7882 | -116.2463 |
| 33.8485 | -116.3830 |
| 33.8481 | -116.4265 |
| 33.8847 | -116.5169 |
| 33.9070 | -116.5849 |
| 33.9176 | -116.6239 |
| 33.9442 | -116.6858 |
| 33.9374 | -116.7786 |
| 33.9532 | -116.8014 |

33.9591 -116.8198
 34.0114 -116.8735
 34.0338 -116.9024
 34.0738 -117.0139
 34.0928 -117.0677
 34.1500 -117.2220
 34.1731 -117.2742
 34.2328 -117.3887
 34.2709 -117.4510
 34.3163 -117.5490
 34.4029 -117.7536
 34.5478 -118.1039
 34.6985 -118.5090
 34.7732 -118.7673
 34.8072 -118.8876
 34.8076 -118.8901
 34.8290 -119.0301
 34.8639 -119.2100
 34.9157 -119.3629
 34.9441 -119.4029

Name: S. San Andreas;BG
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.126

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 58 | 0 | 0.001 | 12.72 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 5.033e-004 | 6.886000 | 7.366000 | 2.300000 | 7.126000 |
| 0.120000 | Normal | 0.250000 | Activity | 5.033e-004 | 6.731000 | 7.211000 | 2.300000 | 6.971000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.369e-005 | 6.731000 | 7.211000 | 2.300000 | 6.971000 |
| 0.120000 | Normal | 0.050000 | Activity | 4.420e-005 | 6.731000 | 7.211000 | 2.300000 | 6.971000 |
| 0.120000 | Normal | 0.075000 | Activity | 6.300e-005 | 6.731000 | 7.211000 | 2.300000 | 6.971000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.876e-004 | 6.886000 | 7.366000 | 2.300000 | 7.126000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.713e-004 | 6.886000 | 7.366000 | 2.300000 | 7.126000 |
| 0.120000 | Normal | 0.075000 | Activity | 2.841e-004 | 6.886000 | 7.366000 | 2.300000 | 7.126000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|--------------------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |


```
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
```

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.7882 | -116.2463 |
| 33.8485 | -116.3830 |
| 33.8481 | -116.4265 |
| 33.8847 | -116.5169 |
| 33.9070 | -116.5849 |
| 33.9176 | -116.6239 |
| 33.9442 | -116.6858 |
| 33.9374 | -116.7786 |
| 33.9532 | -116.8014 |

Name: S. San Andreas;BG+CO
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.386

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 72.4 | 0.3 | 0.301 | 11.74 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 7.046e-004 | 7.146000 | 7.626000 | 2.300000 | 7.386000 |
| | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.250000 | Activity | 7.046e-004 | 7.079000 | 7.559000 | 2.300000 | 7.319000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 4.099e-004 | 7.079000 | 7.559000 | 2.300000 | 7.319000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 3.456e-004 | 7.079000 | 7.559000 | 2.300000 | 7.319000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 9.594e-004 | 7.079000 | 7.559000 | 2.300000 | 7.319000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 2.863e-004 | 7.146000 | 7.626000 | 2.300000 | 7.386000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 1.666e-004 | 7.146000 | 7.626000 | 2.300000 | 7.386000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |

Normal 0.075000 Activity 6.950e-004 7.146000 7.626000 2.300000 7.386000
 0.120000 0.010000 10.000000

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.3501 | -115.7119 |
| 33.7882 | -116.2463 |
| 33.8485 | -116.3830 |
| 33.8481 | -116.4265 |
| 33.8847 | -116.5169 |
| 33.9070 | -116.5849 |
| 33.9176 | -116.6239 |
| 33.9442 | -116.6858 |
| 33.9374 | -116.7786 |
| 33.9532 | -116.8014 |

Name: S. San Andreas;CC
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.15

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 15 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 3.020e-004 | 6.910000 | 7.390000 | 2.300000 | 7.150000 |
| 0.120000 | Normal | 0.250000 | Activity | 3.020e-004 | 6.763000 | 7.243000 | 2.300000 | 7.003000 |
| 0.120000 | Normal | 0.125000 | Activity | 5.774e-005 | 6.763000 | 7.243000 | 2.300000 | 7.003000 |
| 0.120000 | Normal | 0.125000 | Activity | 5.774e-005 | 6.763000 | 7.243000 | 2.300000 | 7.003000 |

| | | | | | | | | |
|----------|----------|-----------|----------|------------|----------|----------|----------|----------|
| | Normal | 0.050000 | Activity | 5.891e-005 | 6.763000 | 7.243000 | 2.300000 | 7.003000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 5.525e-005 | 6.763000 | 7.243000 | 2.300000 | 7.003000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 1.591e-004 | 6.910000 | 7.390000 | 2.300000 | 7.150000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 1.606e-004 | 6.910000 | 7.390000 | 2.300000 | 7.150000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 1.563e-004 | 6.910000 | 7.390000 | 2.300000 | 7.150000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 35.3142 | -119.8659 |
| 35.1607 | -119.7068 |
| 35.0475 | -119.5583 |
| 34.9878 | -119.4711 |
| 34.9441 | -119.4029 |

Name: S. San Andreas;CC+BB
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.415

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 15 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| | Normal | 0.25 | Activity | 5.033e-006 | 7.117000 | 7.597000 | 2.300000 | 7.357000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.100000 | Activity | 5.033e-006 | 7.117000 | 7.597000 | 2.300000 | 7.357000 |

| | | | | | | | | |
|----------|----------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.150000 | Activity | 5.033e-006 | 7.117000 | 7.597000 | 2.300000 | 7.357000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.250000 | Activity | 5.033e-006 | 7.175000 | 7.655000 | 2.300000 | 7.415000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.100000 | Activity | 5.033e-006 | 7.175000 | 7.655000 | 2.300000 | 7.415000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.150000 | Activity | 5.033e-006 | 7.175000 | 7.655000 | 2.300000 | 7.415000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 35.3142 | -119.8659 |
| 35.1607 | -119.7068 |
| 35.0475 | -119.5583 |
| 34.9878 | -119.4711 |
| 34.9441 | -119.4029 |
| 34.9157 | -119.3629 |
| 34.8639 | -119.2100 |
| 34.8290 | -119.0301 |
| 34.8076 | -118.8901 |

Name: S. San Andreas;CC+BB+NM
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.542

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 15 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| | Normal | 0.25 | Activity | 1.007e-006 | 7.286000 | 7.766000 | 2.300000 | 7.526000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.100000 | Activity | 1.007e-006 | 7.286000 | 7.766000 | 2.300000 | 7.526000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |

| | | | | | | | | |
|----------|----------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.150000 | Activity | 1.007e-006 | 7.286000 | 7.766000 | 2.300000 | 7.526000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.250000 | Activity | 1.007e-006 | 7.302000 | 7.782000 | 2.300000 | 7.542000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.100000 | Activity | 1.007e-006 | 7.302000 | 7.782000 | 2.300000 | 7.542000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.150000 | Activity | 1.007e-006 | 7.302000 | 7.782000 | 2.300000 | 7.542000 |
| | 0.010000 | 10.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.6985 | -118.5090 |
| 34.7732 | -118.7673 |
| 34.8072 | -118.8876 |
| 34.8076 | -118.8901 |
| 34.8290 | -119.0301 |
| 34.8639 | -119.2100 |
| 34.9157 | -119.3629 |
| 34.9441 | -119.4029 |
| 34.9878 | -119.4711 |
| 35.0475 | -119.5583 |
| 35.1607 | -119.7068 |
| 35.3142 | -119.8659 |

Name: S. San Andreas;CC+BB+NM+SM
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.9000000
 Deterministic Magnitude: 7.792

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 14 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 4.026e-004 | 7.501000 | 7.981000 | 2.300000 | 7.741000 |
| | 0.010000 | 10.000000 | | | | | | |

| | | | | | | | | |
|----------|----------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.250000 | Activity | 4.026e-004 | 7.552000 | 8.032000 | 2.300000 | 7.792000 |
| | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 5.033e-006 | 7.552000 | 8.032000 | 2.300000 | 7.792000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 5.033e-006 | 7.552000 | 8.032000 | 2.300000 | 7.792000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 5.033e-006 | 7.552000 | 8.032000 | 2.300000 | 7.792000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 1.955e-004 | 7.501000 | 7.981000 | 2.300000 | 7.741000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 1.983e-004 | 7.501000 | 7.981000 | 2.300000 | 7.741000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 1.753e-004 | 7.501000 | 7.981000 | 2.300000 | 7.741000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 35.3142 | -119.8659 |
| 35.1607 | -119.7068 |
| 35.0475 | -119.5583 |
| 34.9878 | -119.4711 |
| 34.9441 | -119.4029 |
| 34.9157 | -119.3629 |
| 34.8639 | -119.2100 |
| 34.8290 | -119.0301 |
| 34.8076 | -118.8901 |
| 34.8072 | -118.8876 |
| 34.7732 | -118.7673 |
| 34.6985 | -118.5090 |
| 34.5478 | -118.1039 |
| 34.4029 | -117.7536 |
| 34.3163 | -117.5490 |

Name: S. San Andreas;CC+BB+NM+SM+NSB
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip

Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.862

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 14 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 1.007e-004 | 7.554000 | 8.034000 | 2.300000 | 7.794000 |
| 0.120000 | Normal | 0.250000 | Activity | 1.007e-004 | 7.622000 | 8.102000 | 2.300000 | 7.862000 |
| 0.120000 | Normal | 0.125000 | Activity | 5.652e-005 | 7.622000 | 8.102000 | 2.300000 | 7.862000 |
| 0.120000 | Normal | 0.050000 | Activity | 6.008e-005 | 7.622000 | 8.102000 | 2.300000 | 7.862000 |
| 0.120000 | Normal | 0.075000 | Activity | 7.330e-005 | 7.622000 | 8.102000 | 2.300000 | 7.862000 |
| 0.120000 | Normal | 0.125000 | Activity | 8.710e-005 | 7.554000 | 8.034000 | 2.300000 | 7.794000 |
| 0.120000 | Normal | 0.050000 | Activity | 8.906e-005 | 7.554000 | 8.034000 | 2.300000 | 7.794000 |
| 0.120000 | Normal | 0.075000 | Activity | 9.820e-005 | 7.554000 | 8.034000 | 2.300000 | 7.794000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 35.3142 | -119.8659 |
| 35.1607 | -119.7068 |
| 35.0475 | -119.5583 |
| 34.9878 | -119.4711 |
| 34.9441 | -119.4029 |
| 34.9157 | -119.3629 |
| 34.8639 | -119.2100 |

34.8290 -119.0301
 34.8076 -118.8901
 34.8072 -118.8876
 34.7732 -118.7673
 34.6985 -118.5090
 34.5478 -118.1039
 34.4029 -117.7536
 34.3163 -117.5490
 34.2709 -117.4510
 34.2328 -117.3887
 34.1731 -117.2742
 34.1500 -117.2220

Name: S. San Andreas;CC+BB+NM+SM+NSB+SSB
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.939

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 14 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 1.007e-004 | 7.612000 | 8.092000 | 2.300000 | 7.852000 |
| 0.120000 | Normal | 0.250000 | Activity | 1.007e-004 | 7.699000 | 8.179000 | 2.300000 | 7.939000 |
| 0.120000 | Normal | 0.125000 | Activity | 6.712e-005 | 7.699000 | 8.179000 | 2.300000 | 7.939000 |
| 0.120000 | Normal | 0.050000 | Activity | 5.983e-005 | 7.699000 | 8.179000 | 2.300000 | 7.939000 |
| 0.120000 | Normal | 0.075000 | Activity | 8.612e-005 | 7.699000 | 8.179000 | 2.300000 | 7.939000 |
| 0.120000 | Normal | 0.125000 | Activity | 9.002e-005 | 7.612000 | 8.092000 | 2.300000 | 7.852000 |
| 0.120000 | Normal | 0.050000 | Activity | 8.690e-005 | 7.612000 | 8.092000 | 2.300000 | 7.852000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.016e-004 | 7.612000 | 8.092000 | 2.300000 | 7.852000 |

Rupture Length Parameters

| Rupture Dimensioning | | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |


```
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
```

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.9591 | -116.8198 |
| 34.0114 | -116.8735 |
| 34.0338 | -116.9024 |
| 34.0738 | -117.0139 |
| 34.0928 | -117.0677 |
| 34.1500 | -117.2220 |
| 34.1731 | -117.2742 |
| 34.2328 | -117.3887 |
| 34.2709 | -117.4510 |
| 34.3163 | -117.5490 |
| 34.4029 | -117.7536 |
| 34.5478 | -118.1039 |
| 34.6985 | -118.5090 |
| 34.7732 | -118.7673 |
| 34.8072 | -118.8876 |
| 34.8076 | -118.8901 |
| 34.8290 | -119.0301 |
| 34.8639 | -119.2100 |
| 34.9157 | -119.3629 |
| 34.9441 | -119.4029 |
| 34.9878 | -119.4711 |
| 35.0475 | -119.5583 |
| 35.1607 | -119.7068 |
| 35.3142 | -119.8659 |

Name: S. San Andreas;CC+BB+NM+SM+NSB+SSB+BG
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 8.039

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 84.9 | 0 | 0.001 | 13.94 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 5.033e-005 | 7.687000 | 8.167000 | 2.300000 | 7.927000 |
| | Normal | 10.000000 | Activity | 5.033e-005 | 7.799000 | 8.279000 | 2.300000 | 8.039000 |
| 0.120000 | Normal | 0.125000 | Activity | 2.973e-005 | 7.799000 | 8.279000 | 2.300000 | 8.039000 |
| | Normal | 10.000000 | Activity | 2.475e-005 | 7.799000 | 8.279000 | 2.300000 | 8.039000 |

```

0.120000  0.010000  10.000000
           Normal  0.075000  Activity  3.120e-005  7.799000  8.279000  2.300000  8.039000
0.120000  0.010000  10.000000
           Normal  0.125000  Activity  4.431e-005  7.687000  8.167000  2.300000  7.927000
0.120000  0.010000  10.000000
           Normal  0.050000  Activity  4.150e-005  7.687000  8.167000  2.300000  7.927000
0.120000  0.010000  10.000000
           Normal  0.075000  Activity  4.593e-005  7.687000  8.167000  2.300000  7.927000
0.120000  0.010000  10.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.7882 | -116.2463 |
| 33.8485 | -116.3830 |
| 33.8481 | -116.4265 |
| 33.8847 | -116.5169 |
| 33.9070 | -116.5849 |
| 33.9176 | -116.6239 |
| 33.9442 | -116.6858 |
| 33.9374 | -116.7786 |
| 33.9532 | -116.8014 |
| 33.9591 | -116.8198 |
| 34.0114 | -116.8735 |
| 34.0338 | -116.9024 |
| 34.0738 | -117.0139 |
| 34.0928 | -117.0677 |
| 34.1500 | -117.2220 |
| 34.1731 | -117.2742 |
| 34.2328 | -117.3887 |
| 34.2709 | -117.4510 |
| 34.3163 | -117.5490 |
| 34.4029 | -117.7536 |
| 34.5478 | -118.1039 |
| 34.6985 | -118.5090 |
| 34.7732 | -118.7673 |
| 34.8072 | -118.8876 |
| 34.8076 | -118.8901 |

34.8290 -119.0301
 34.8639 -119.2100
 34.9157 -119.3629
 34.9441 -119.4029
 34.9878 -119.4711
 35.0475 -119.5583
 35.1607 -119.7068
 35.3142 -119.8659

Name: S. San Andreas;CC+BB+NM+SM+NSB+SSB+BG+CO
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 8.11

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 85.5 | 0.1 | 0.101 | 13.06 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 1.007e-005 | 7.740000 | 8.220000 | 2.300000 | 7.980000 |
| | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.250000 | Activity | 1.007e-005 | 7.870000 | 8.350000 | 2.300000 | 8.110000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 9.271e-006 | 7.870000 | 8.350000 | 2.300000 | 8.110000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 8.960e-006 | 7.870000 | 8.350000 | 2.300000 | 8.110000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 9.460e-006 | 7.870000 | 8.350000 | 2.300000 | 8.110000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 9.784e-006 | 7.740000 | 8.220000 | 2.300000 | 7.980000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 9.622e-006 | 7.740000 | 8.220000 | 2.300000 | 7.980000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 9.887e-006 | 7.740000 | 8.220000 | 2.300000 | 7.980000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

```
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
```

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.3501 | -115.7119 |
| 33.7882 | -116.2463 |
| 33.8485 | -116.3830 |
| 33.8481 | -116.4265 |
| 33.8847 | -116.5169 |
| 33.9070 | -116.5849 |
| 33.9176 | -116.6239 |
| 33.9442 | -116.6858 |
| 33.9374 | -116.7786 |
| 33.9532 | -116.8014 |
| 33.9591 | -116.8198 |
| 34.0114 | -116.8735 |
| 34.0338 | -116.9024 |
| 34.0738 | -117.0139 |
| 34.0928 | -117.0677 |
| 34.1500 | -117.2220 |
| 34.1731 | -117.2742 |
| 34.2328 | -117.3887 |
| 34.2709 | -117.4510 |
| 34.3163 | -117.5490 |
| 34.4029 | -117.7536 |
| 34.5478 | -118.1039 |
| 34.6985 | -118.5090 |
| 34.7732 | -118.7673 |
| 34.8072 | -118.8876 |
| 34.8076 | -118.8901 |
| 34.8290 | -119.0301 |
| 34.8639 | -119.2100 |
| 34.9157 | -119.3629 |
| 34.9441 | -119.4029 |
| 34.9878 | -119.4711 |
| 35.0475 | -119.5583 |
| 35.1607 | -119.7068 |
| 35.3142 | -119.8659 |

Name: S. San Andreas;CH
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.075

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 12 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|-------|-----------|--------|----------|------------|----------|----------|----------|----------|
| | Normal | 0.25 | Activity | 5.033e-005 | 6.835000 | 7.315000 | 2.300000 | 7.075000 |

| | | | | | | | | | |
|----------|----------|-----------|----------|------------|----------|----------|----------|----------|--|
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.250000 | Activity | 5.033e-005 | 6.664000 | 7.144000 | 2.300000 | 6.904000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.125000 | Activity | 5.492e-005 | 6.664000 | 7.144000 | 2.300000 | 6.904000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.050000 | Activity | 5.491e-005 | 6.664000 | 7.144000 | 2.300000 | 6.904000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.075000 | Activity | 5.497e-005 | 6.664000 | 7.144000 | 2.300000 | 6.904000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.125000 | Activity | 5.280e-005 | 6.835000 | 7.315000 | 2.300000 | 7.075000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.050000 | Activity | 5.280e-005 | 6.835000 | 7.315000 | 2.300000 | 7.075000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.075000 | Activity | 5.281e-005 | 6.835000 | 7.315000 | 2.300000 | 7.075000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |

Rupture Length Parameters

| Rupture | Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|---------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 35.3142 | -119.8660 |
| 35.4139 | -119.9703 |
| 35.5333 | -120.0867 |
| 35.7520 | -120.3001 |

Name: S. San Andreas;CH+CC
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.415

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 14 |

Magnitude Recurrence Distributions:

| ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|-----------|--------|----------|------|--------|--------|------|------|
|-----------|--------|----------|------|--------|--------|------|------|

| Sigma | Delta1 | Delta2 | | | | | | |
|----------|----------|-----------|----------|------------|----------|----------|----------|----------|
| | Normal | 0.25 | Activity | 3.020e-004 | 7.175000 | 7.655000 | 2.300000 | 7.415000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.250000 | Activity | 3.020e-004 | 7.117000 | 7.597000 | 2.300000 | 7.357000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 2.132e-004 | 7.117000 | 7.597000 | 2.300000 | 7.357000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 2.144e-004 | 7.117000 | 7.597000 | 2.300000 | 7.357000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 2.125e-004 | 7.117000 | 7.597000 | 2.300000 | 7.357000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 2.397e-004 | 7.175000 | 7.655000 | 2.300000 | 7.415000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 2.416e-004 | 7.175000 | 7.655000 | 2.300000 | 7.415000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 2.363e-004 | 7.175000 | 7.655000 | 2.300000 | 7.415000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 35.7520 | -120.3001 |
| 35.5333 | -120.0867 |
| 35.4139 | -119.9703 |
| 35.3142 | -119.8660 |
| 35.1607 | -119.7068 |
| 35.0475 | -119.5583 |
| 34.9878 | -119.4711 |
| 34.9441 | -119.4029 |

Name: S. San Andreas;CH+CC+BB
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.579

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 14 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 1.007e-006 | 7.335000 | 7.815000 | 2.300000 | 7.575000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.007e-006 | 7.335000 | 7.815000 | 2.300000 | 7.575000 |
| 0.120000 | Normal | 0.150000 | Activity | 1.007e-006 | 7.335000 | 7.815000 | 2.300000 | 7.575000 |
| 0.120000 | Normal | 0.250000 | Activity | 1.007e-006 | 7.339000 | 7.819000 | 2.300000 | 7.579000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.007e-006 | 7.339000 | 7.819000 | 2.300000 | 7.579000 |
| 0.120000 | Normal | 0.150000 | Activity | 1.007e-006 | 7.339000 | 7.819000 | 2.300000 | 7.579000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 35.7520 | -120.3001 |
| 35.5333 | -120.0867 |
| 35.4139 | -119.9703 |
| 35.3142 | -119.8660 |
| 35.1607 | -119.7068 |
| 35.0475 | -119.5583 |
| 34.9878 | -119.4711 |
| 34.9441 | -119.4029 |
| 34.9157 | -119.3629 |
| 34.8639 | -119.2100 |
| 34.8290 | -119.0301 |
| 34.8076 | -118.8901 |

Name: S. San Andreas;CH+CC+BB+NM
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000

Deterministic Magnitude: 7.696

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 14 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| | Normal | 0.25 | Activity | 1.007e-006 | 7.456000 | 7.936000 | 2.300000 | 7.696000 |
| 0.120000 | 0.010000 | 10.000000 | Activity | 1.007e-006 | 7.456000 | 7.936000 | 2.300000 | 7.696000 |
| | Normal | 0.100000 | Activity | 1.007e-006 | 7.456000 | 7.936000 | 2.300000 | 7.696000 |
| 0.120000 | 0.010000 | 10.000000 | Activity | 1.007e-006 | 7.456000 | 7.936000 | 2.300000 | 7.696000 |
| | Normal | 0.150000 | Activity | 1.007e-006 | 7.456000 | 7.936000 | 2.300000 | 7.696000 |
| 0.120000 | 0.010000 | 10.000000 | Activity | 1.007e-006 | 7.456000 | 7.936000 | 2.300000 | 7.696000 |
| | Normal | 0.250000 | Activity | 1.007e-006 | 7.430000 | 7.910000 | 2.300000 | 7.670000 |
| 0.120000 | 0.010000 | 10.000000 | Activity | 1.007e-006 | 7.430000 | 7.910000 | 2.300000 | 7.670000 |
| | Normal | 0.100000 | Activity | 1.007e-006 | 7.430000 | 7.910000 | 2.300000 | 7.670000 |
| 0.120000 | 0.010000 | 10.000000 | Activity | 1.007e-006 | 7.430000 | 7.910000 | 2.300000 | 7.670000 |
| | Normal | 0.150000 | Activity | 1.007e-006 | 7.430000 | 7.910000 | 2.300000 | 7.670000 |
| 0.120000 | 0.010000 | 10.000000 | Activity | 1.007e-006 | 7.430000 | 7.910000 | 2.300000 | 7.670000 |

Rupture Length Parameters

| Rupture Dimensioning | | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 35.7520 | -120.3001 |
| 35.5333 | -120.0867 |
| 35.4139 | -119.9703 |
| 35.3142 | -119.8660 |
| 35.1607 | -119.7068 |
| 35.0475 | -119.5583 |
| 34.9878 | -119.4711 |
| 34.9441 | -119.4029 |
| 34.9157 | -119.3629 |
| 34.8639 | -119.2100 |
| 34.8290 | -119.0301 |
| 34.8076 | -118.8901 |
| 34.8072 | -118.8876 |
| 34.7732 | -118.7673 |
| 34.6985 | -118.5090 |

Name: S. San Andreas;CH+CC+BB+NM+SM

Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.905

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 14 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 5.033e-004 | 7.586000 | 8.066000 | 2.300000 | 7.826000 |
| 0.120000 | Normal | 0.250000 | Activity | 5.033e-004 | 7.665000 | 8.145000 | 2.300000 | 7.905000 |
| 0.120000 | Normal | 0.125000 | Activity | 2.686e-004 | 7.665000 | 8.145000 | 2.300000 | 7.905000 |
| 0.120000 | Normal | 0.050000 | Activity | 2.737e-004 | 7.665000 | 8.145000 | 2.300000 | 7.905000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.585e-004 | 7.665000 | 8.145000 | 2.300000 | 7.905000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.150e-004 | 7.586000 | 8.066000 | 2.300000 | 7.826000 |
| 0.120000 | Normal | 0.050000 | Activity | 4.174e-004 | 7.586000 | 8.066000 | 2.300000 | 7.826000 |
| 0.120000 | Normal | 0.075000 | Activity | 3.888e-004 | 7.586000 | 8.066000 | 2.300000 | 7.826000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 35.7520 | -120.3001 |
| 35.5333 | -120.0867 |
| 35.4139 | -119.9703 |
| 35.3142 | -119.8660 |

35.1607 -119.7068
 35.0475 -119.5583
 34.9878 -119.4711
 34.9441 -119.4029
 34.9157 -119.3629
 34.8639 -119.2100
 34.8290 -119.0301
 34.8076 -118.8901
 34.8072 -118.8876
 34.7732 -118.7673
 34.6985 -118.5090
 34.5478 -118.1039
 34.4029 -117.7536
 34.3163 -117.5490

Name: S. San Andreas;CH+CC+BB+NM+SM+NSB
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.4500000
 Deterministic Magnitude: 7.964

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 14 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 1.007e-006 | 7.724000 | 8.204000 | 2.300000 | 7.964000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.007e-006 | 7.724000 | 8.204000 | 2.300000 | 7.964000 |
| 0.120000 | Normal | 0.150000 | Activity | 1.007e-006 | 7.724000 | 8.204000 | 2.300000 | 7.964000 |
| 0.120000 | Normal | 0.250000 | Activity | 1.007e-006 | 7.630000 | 8.110000 | 2.300000 | 7.870000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.007e-006 | 7.630000 | 8.110000 | 2.300000 | 7.870000 |
| 0.120000 | Normal | 0.150000 | Activity | 1.007e-006 | 7.630000 | 8.110000 | 2.300000 | 7.870000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.007e-006 | 7.630000 | 8.110000 | 2.300000 | 7.870000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

-- --

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 35.7520 | -120.3001 |
| 35.5333 | -120.0867 |
| 35.4139 | -119.9703 |
| 35.3142 | -119.8660 |
| 35.1607 | -119.7068 |
| 35.0475 | -119.5583 |
| 34.9878 | -119.4711 |
| 34.9441 | -119.4029 |
| 34.9157 | -119.3629 |
| 34.8639 | -119.2100 |
| 34.8290 | -119.0301 |
| 34.8076 | -118.8901 |
| 34.8072 | -118.8876 |
| 34.7732 | -118.7673 |
| 34.6985 | -118.5090 |
| 34.5478 | -118.1039 |
| 34.4029 | -117.7536 |
| 34.3163 | -117.5490 |
| 34.2709 | -117.4510 |
| 34.2328 | -117.3887 |
| 34.1731 | -117.2742 |
| 34.1500 | -117.2220 |

Name: S. San Andreas;CH+CC+BB+NM+SM+NSB+SSB
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 8.029

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 14 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 5.033e-005 | 7.679000 | 8.159000 | 2.300000 | 7.919000 |
| | Normal | 0.250000 | Activity | 5.033e-005 | 7.789000 | 8.269000 | 2.300000 | 8.029000 |
| 0.120000 | Normal | 0.125000 | Activity | 5.072e-005 | 7.789000 | 8.269000 | 2.300000 | 8.029000 |
| | Normal | 0.050000 | Activity | 4.878e-005 | 7.789000 | 8.269000 | 2.300000 | 8.029000 |
| 0.120000 | Normal | 0.075000 | Activity | 5.625e-005 | 7.789000 | 8.269000 | 2.300000 | 8.029000 |
| | Normal | 0.125000 | Activity | 4.999e-005 | 7.679000 | 8.159000 | 2.300000 | 7.919000 |
| 0.120000 | Normal | 0.050000 | Activity | 4.923e-005 | 7.679000 | 8.159000 | 2.300000 | 7.919000 |
| | Normal | 0.075000 | Activity | 5.302e-005 | 7.679000 | 8.159000 | 2.300000 | 7.919000 |

0.120000 0.010000 10.000000

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.9591 | -116.8198 |
| 34.0114 | -116.8735 |
| 34.0338 | -116.9024 |
| 34.0738 | -117.0139 |
| 34.0928 | -117.0677 |
| 34.1500 | -117.2220 |
| 34.1731 | -117.2742 |
| 34.2328 | -117.3887 |
| 34.2709 | -117.4510 |
| 34.3163 | -117.5490 |
| 34.4029 | -117.7536 |
| 34.5478 | -118.1039 |
| 34.6985 | -118.5090 |
| 34.7732 | -118.7673 |
| 34.8072 | -118.8876 |
| 34.8076 | -118.8901 |
| 34.8290 | -119.0301 |
| 34.8639 | -119.2100 |
| 34.9157 | -119.3629 |
| 34.9441 | -119.4029 |
| 34.9878 | -119.4711 |
| 35.0475 | -119.5583 |
| 35.1607 | -119.7068 |
| 35.3142 | -119.8660 |
| 35.4139 | -119.9703 |
| 35.5333 | -120.0867 |
| 35.7520 | -120.3001 |

Name: S. San Andreas;CH+CC+BB+NM+SM+NSB+SSB+BG
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude

Probability of Activity: 0.4500000
 Deterministic Magnitude: 8.115

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 85.6 | 0 | 0.001 | 13.96 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 1.007e-006 | 7.875000 | 8.355000 | 2.300000 | 8.115000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.007e-006 | 7.875000 | 8.355000 | 2.300000 | 8.115000 |
| 0.120000 | Normal | 0.150000 | Activity | 1.007e-006 | 7.875000 | 8.355000 | 2.300000 | 8.115000 |
| 0.120000 | Normal | 0.250000 | Activity | 1.007e-006 | 7.744000 | 8.224000 | 2.300000 | 7.984000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.007e-006 | 7.744000 | 8.224000 | 2.300000 | 7.984000 |
| 0.120000 | Normal | 0.150000 | Activity | 1.007e-006 | 7.744000 | 8.224000 | 2.300000 | 7.984000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.007e-006 | 7.744000 | 8.224000 | 2.300000 | 7.984000 |
| 0.120000 | Normal | 0.150000 | Activity | 1.007e-006 | 7.744000 | 8.224000 | 2.300000 | 7.984000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.7882 | -116.2463 |
| 33.8485 | -116.3830 |
| 33.8481 | -116.4265 |
| 33.8847 | -116.5169 |
| 33.9070 | -116.5849 |
| 33.9176 | -116.6239 |
| 33.9442 | -116.6858 |
| 33.9374 | -116.7786 |
| 33.9532 | -116.8014 |
| 33.9591 | -116.8198 |
| 34.0114 | -116.8735 |
| 34.0338 | -116.9024 |
| 34.0738 | -117.0139 |
| 34.0928 | -117.0677 |
| 34.1500 | -117.2220 |
| 34.1731 | -117.2742 |

34.2328 -117.3887
 34.2709 -117.4510
 34.3163 -117.5490
 34.4029 -117.7536
 34.5478 -118.1039
 34.6985 -118.5090
 34.7732 -118.7673
 34.8072 -118.8876
 34.8076 -118.8901
 34.8290 -119.0301
 34.8639 -119.2100
 34.9157 -119.3629
 34.9441 -119.4029
 34.9878 -119.4711
 35.0475 -119.5583
 35.1607 -119.7068
 35.3142 -119.8660
 35.4139 -119.9703
 35.5333 -120.0867
 35.7520 -120.3001

Name: S. San Andreas;CH+CC+BB+NM+SM+NSB+SSB+BG+CO
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.4500000
 Deterministic Magnitude: 8.178

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 86 | 0.1 | 0.101 | 13.07 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 1.007e-006 | 7.938000 | 8.418000 | 2.300000 | 8.178000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.007e-006 | 7.938000 | 8.418000 | 2.300000 | 8.178000 |
| 0.120000 | Normal | 0.150000 | Activity | 1.007e-006 | 7.938000 | 8.418000 | 2.300000 | 8.178000 |
| 0.120000 | Normal | 0.250000 | Activity | 1.007e-006 | 7.791000 | 8.271000 | 2.300000 | 8.031000 |
| 0.120000 | Normal | 0.100000 | Activity | 1.007e-006 | 7.791000 | 8.271000 | 2.300000 | 8.031000 |
| 0.120000 | Normal | 0.150000 | Activity | 1.007e-006 | 7.791000 | 8.271000 | 2.300000 | 8.031000 |
| 0.120000 | Normal | 0.150000 | Activity | 1.007e-006 | 7.791000 | 8.271000 | 2.300000 | 8.031000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

```
--      --  
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --  
--      --  
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --  
--      --  
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --  
--      --
```

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.3501 | -115.7119 |
| 33.7882 | -116.2463 |
| 33.8485 | -116.3830 |
| 33.8481 | -116.4265 |
| 33.8847 | -116.5169 |
| 33.9070 | -116.5849 |
| 33.9176 | -116.6239 |
| 33.9442 | -116.6858 |
| 33.9374 | -116.7786 |
| 33.9532 | -116.8014 |
| 33.9591 | -116.8198 |
| 34.0114 | -116.8735 |
| 34.0338 | -116.9024 |
| 34.0738 | -117.0139 |
| 34.0928 | -117.0677 |
| 34.1500 | -117.2220 |
| 34.1731 | -117.2742 |
| 34.2328 | -117.3887 |
| 34.2709 | -117.4510 |
| 34.3163 | -117.5490 |
| 34.4029 | -117.7536 |
| 34.5478 | -118.1039 |
| 34.6985 | -118.5090 |
| 34.7732 | -118.7673 |
| 34.8072 | -118.8876 |
| 34.8076 | -118.8901 |
| 34.8290 | -119.0301 |
| 34.8639 | -119.2100 |
| 34.9157 | -119.3629 |
| 34.9441 | -119.4029 |
| 34.9878 | -119.4711 |
| 35.0475 | -119.5583 |
| 35.1607 | -119.7068 |
| 35.3142 | -119.8660 |
| 35.4139 | -119.9703 |
| 35.5333 | -120.0867 |
| 35.7520 | -120.3001 |

Name: S. San Andreas;CO
Region: USGS 2008 California
Category:Fault
Fault Mechanism: Strike Slip
Magnitude Scale: Moment Magnitude
Probability of Activity: 0.90000000
Deterministic Magnitude: 7.041

Fault Profile Parameters:

Dip1 Dip2 Depth1 Depth2 Depth3
 90 90 0.6 0.601 10.6

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 2.516e-003 | 6.801000 | 7.281000 | 2.300000 | 7.041000 |
| 0.120000 | Normal | 0.250000 | Activity | 2.516e-003 | 6.618000 | 7.098000 | 2.300000 | 6.858000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.200e-002 | 6.618000 | 7.098000 | 2.300000 | 6.858000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.090e-002 | 6.618000 | 7.098000 | 2.300000 | 6.858000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.424e-002 | 6.618000 | 7.098000 | 2.300000 | 6.858000 |
| 0.120000 | Normal | 0.125000 | Activity | 6.720e-003 | 6.801000 | 7.281000 | 2.300000 | 7.041000 |
| 0.120000 | Normal | 0.050000 | Activity | 6.043e-003 | 6.801000 | 7.281000 | 2.300000 | 7.041000 |
| 0.120000 | Normal | 0.075000 | Activity | 8.002e-003 | 6.801000 | 7.281000 | 2.300000 | 7.041000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

Latitude Longitude
 33.7882 -116.2463
 33.3501 -115.7119

Name: S. San Andreas;NM
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 6.945

Fault Profile Parameters:

Dip1 Dip2 Depth1 Depth2 Depth3
 90 90 0 0.001 15

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 2.013e-004 | 6.705000 | 7.185000 | 2.300000 | 6.945000 |
| 0.120000 | Normal | 0.250000 | Activity | 2.013e-004 | 6.491000 | 6.971000 | 2.300000 | 6.731000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.437e-004 | 6.491000 | 6.971000 | 2.300000 | 6.731000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.319e-004 | 6.491000 | 6.971000 | 2.300000 | 6.731000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.604e-004 | 6.491000 | 6.971000 | 2.300000 | 6.731000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.052e-004 | 6.705000 | 7.185000 | 2.300000 | 6.945000 |
| 0.120000 | Normal | 0.050000 | Activity | 9.460e-005 | 6.705000 | 7.185000 | 2.300000 | 6.945000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.274e-004 | 6.705000 | 7.185000 | 2.300000 | 6.945000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

Latitude Longitude
 34.8076 -118.8901
 34.8072 -118.8876
 34.7732 -118.7673
 34.6985 -118.5090

Name: S. San Andreas;NM+SM
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.464

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 14 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 7.046e-004 | 7.224000 | 7.704000 | 2.300000 | 7.464000 |
| 0.120000 | Normal | 0.250000 | Activity | 7.046e-004 | 7.182000 | 7.662000 | 2.300000 | 7.422000 |
| 0.120000 | Normal | 0.125000 | Activity | 5.033e-006 | 7.182000 | 7.662000 | 2.300000 | 7.422000 |
| 0.120000 | Normal | 0.050000 | Activity | 5.033e-006 | 7.182000 | 7.662000 | 2.300000 | 7.422000 |
| 0.120000 | Normal | 0.075000 | Activity | 5.033e-006 | 7.182000 | 7.662000 | 2.300000 | 7.422000 |
| 0.120000 | Normal | 0.125000 | Activity | 5.033e-006 | 7.224000 | 7.704000 | 2.300000 | 7.464000 |
| 0.120000 | Normal | 0.050000 | Activity | 5.033e-006 | 7.224000 | 7.704000 | 2.300000 | 7.464000 |
| 0.120000 | Normal | 0.075000 | Activity | 5.033e-006 | 7.224000 | 7.704000 | 2.300000 | 7.464000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.3163 | -117.5490 |
| 34.4029 | -117.7536 |
| 34.5478 | -118.1039 |
| 34.6985 | -118.5090 |
| 34.7732 | -118.7673 |
| 34.8072 | -118.8876 |
| 34.8076 | -118.8901 |

Name: S. San Andreas;NM+SM+NSB
 Region: USGS 2008 California

Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.559

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 13 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 1.007e-004 | 7.319000 | 7.799000 | 2.300000 | 7.559000 |
| 0.120000 | Normal | 0.250000 | Activity | 1.007e-004 | 7.309000 | 7.789000 | 2.300000 | 7.549000 |
| 0.120000 | Normal | 0.125000 | Activity | 6.680e-005 | 7.309000 | 7.789000 | 2.300000 | 7.549000 |
| 0.120000 | Normal | 0.050000 | Activity | 7.187e-005 | 7.309000 | 7.789000 | 2.300000 | 7.549000 |
| 0.120000 | Normal | 0.075000 | Activity | 7.805e-005 | 7.309000 | 7.789000 | 2.300000 | 7.549000 |
| 0.120000 | Normal | 0.125000 | Activity | 7.172e-005 | 7.319000 | 7.799000 | 2.300000 | 7.559000 |
| 0.120000 | Normal | 0.050000 | Activity | 7.527e-005 | 7.319000 | 7.799000 | 2.300000 | 7.559000 |
| 0.120000 | Normal | 0.075000 | Activity | 8.072e-005 | 7.319000 | 7.799000 | 2.300000 | 7.559000 |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.1500 | -117.2220 |
| 34.1731 | -117.2742 |
| 34.2328 | -117.3887 |
| 34.2709 | -117.4510 |
| 34.3163 | -117.5490 |

34.4029 -117.7536
 34.5478 -118.1039
 34.6985 -118.5090
 34.7732 -118.7673
 34.8072 -118.8876
 34.8076 -118.8901

Name: S. San Andreas;NM+SM+NSB+SSB
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.675

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 13 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 2.013e-004 | 7.414000 | 7.894000 | 2.300000 | 7.654000 |
| 0.120000 | Normal | 0.250000 | Activity | 2.013e-004 | 7.435000 | 7.915000 | 2.300000 | 7.675000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.037e-004 | 7.435000 | 7.915000 | 2.300000 | 7.675000 |
| 0.120000 | Normal | 0.050000 | Activity | 8.691e-005 | 7.435000 | 7.915000 | 2.300000 | 7.675000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.444e-004 | 7.435000 | 7.915000 | 2.300000 | 7.675000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.035e-004 | 7.414000 | 7.894000 | 2.300000 | 7.654000 |
| 0.120000 | Normal | 0.050000 | Activity | 9.484e-005 | 7.414000 | 7.894000 | 2.300000 | 7.654000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.325e-004 | 7.414000 | 7.894000 | 2.300000 | 7.654000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

-- --

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.8076 | -118.8901 |
| 34.8072 | -118.8876 |
| 34.7732 | -118.7673 |
| 34.6985 | -118.5090 |
| 34.5478 | -118.1039 |
| 34.4029 | -117.7536 |
| 34.3163 | -117.5490 |
| 34.2709 | -117.4510 |
| 34.2328 | -117.3887 |
| 34.1731 | -117.2742 |
| 34.1500 | -117.2220 |
| 34.0928 | -117.0677 |
| 34.0738 | -117.0139 |
| 34.0338 | -116.9024 |
| 34.0114 | -116.8735 |
| 33.9591 | -116.8198 |

Name: S. San Andreas;NM+SM+NSB+SSB+BG
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.825

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 82.7 | 0 | 0.001 | 13.89 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 1.007e-004 | 7.527000 | 8.007000 | 2.300000 | 7.767000 |
| 0.120000 | Normal | 0.250000 | Activity | 1.007e-004 | 7.585000 | 8.065000 | 2.300000 | 7.825000 |
| 0.120000 | Normal | 0.125000 | Activity | 3.285e-005 | 7.585000 | 8.065000 | 2.300000 | 7.825000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.881e-005 | 7.585000 | 8.065000 | 2.300000 | 7.825000 |
| 0.120000 | Normal | 0.075000 | Activity | 3.269e-005 | 7.585000 | 8.065000 | 2.300000 | 7.825000 |
| 0.120000 | Normal | 0.125000 | Activity | 6.288e-005 | 7.527000 | 8.007000 | 2.300000 | 7.767000 |
| 0.120000 | Normal | 0.050000 | Activity | 5.289e-005 | 7.527000 | 8.007000 | 2.300000 | 7.767000 |
| 0.120000 | Normal | 0.075000 | Activity | 6.534e-005 | 7.527000 | 8.007000 | 2.300000 | 7.767000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|--------------------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

```
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
```

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.7882 | -116.2463 |
| 33.8485 | -116.3830 |
| 33.8481 | -116.4265 |
| 33.8847 | -116.5169 |
| 33.9070 | -116.5849 |
| 33.9176 | -116.6239 |
| 33.9442 | -116.6858 |
| 33.9374 | -116.7786 |
| 33.9532 | -116.8014 |
| 33.9591 | -116.8198 |
| 34.0114 | -116.8735 |
| 34.0338 | -116.9024 |
| 34.0738 | -117.0139 |
| 34.0928 | -117.0677 |
| 34.1500 | -117.2220 |
| 34.1731 | -117.2742 |
| 34.2328 | -117.3887 |
| 34.2709 | -117.4510 |
| 34.3163 | -117.5490 |
| 34.4029 | -117.7536 |
| 34.5478 | -118.1039 |
| 34.6985 | -118.5090 |
| 34.7732 | -118.7673 |
| 34.8072 | -118.8876 |
| 34.8076 | -118.8901 |

Name: S. San Andreas;NM+SM+NSB+SSB+BG+CO
Region: USGS 2008 California
Category:Fault
Fault Mechanism: Strike Slip
Magnitude Scale: Moment Magnitude
Probability of Activity: 0.90000000
Deterministic Magnitude: 7.925

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 83.8 | 0.1 | 0.101 | 13.02 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 1.007e-004 | 7.601000 | 8.081000 | 2.300000 | 7.841000 |
| | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.250000 | Activity | 1.007e-004 | 7.685000 | 8.165000 | 2.300000 | 7.925000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 3.893e-005 | 7.685000 | 8.165000 | 2.300000 | 7.925000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 1.533e-005 | 7.685000 | 8.165000 | 2.300000 | 7.925000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 5.003e-005 | 7.685000 | 8.165000 | 2.300000 | 7.925000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 6.028e-005 | 7.601000 | 8.081000 | 2.300000 | 7.841000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 4.562e-005 | 7.601000 | 8.081000 | 2.300000 | 7.841000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 6.649e-005 | 7.601000 | 8.081000 | 2.300000 | 7.841000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.3501 | -115.7119 |
| 33.7882 | -116.2463 |
| 33.8485 | -116.3830 |
| 33.8481 | -116.4265 |
| 33.8847 | -116.5169 |
| 33.9070 | -116.5849 |
| 33.9176 | -116.6239 |
| 33.9442 | -116.6858 |
| 33.9374 | -116.7786 |
| 33.9532 | -116.8014 |
| 33.9591 | -116.8198 |
| 34.0114 | -116.8735 |
| 34.0338 | -116.9024 |
| 34.0738 | -117.0139 |
| 34.0928 | -117.0677 |
| 34.1500 | -117.2220 |

34.1731 -117.2742
 34.2328 -117.3887
 34.2709 -117.4510
 34.3163 -117.5490
 34.4029 -117.7536
 34.5478 -118.1039
 34.6985 -118.5090
 34.7732 -118.7673
 34.8072 -118.8876
 34.8076 -118.8901

Name: S. San Andreas;NSB
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 6.855

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 13 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Delta1 | Weight | Delta2 | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.010000 | 0.25 | 10.000000 | Activity | 7.046e-004 | 6.615000 | 7.095000 | 2.300000 | 6.855000 |
| 0.120000 | Normal | 0.010000 | 0.250000 | 10.000000 | Activity | 7.046e-004 | 6.395000 | 6.875000 | 2.300000 | 6.635000 |
| 0.120000 | Normal | 0.010000 | 0.125000 | 10.000000 | Activity | 6.604e-004 | 6.395000 | 6.875000 | 2.300000 | 6.635000 |
| 0.120000 | Normal | 0.010000 | 0.050000 | 10.000000 | Activity | 6.359e-004 | 6.395000 | 6.875000 | 2.300000 | 6.635000 |
| 0.120000 | Normal | 0.010000 | 0.075000 | 10.000000 | Activity | 1.078e-003 | 6.395000 | 6.875000 | 2.300000 | 6.635000 |
| 0.120000 | Normal | 0.010000 | 0.125000 | 10.000000 | Activity | 7.074e-004 | 6.615000 | 7.095000 | 2.300000 | 6.855000 |
| 0.120000 | Normal | 0.010000 | 0.050000 | 10.000000 | Activity | 7.048e-004 | 6.615000 | 7.095000 | 2.300000 | 6.855000 |
| 0.120000 | Normal | 0.010000 | 0.075000 | 10.000000 | Activity | 1.324e-003 | 6.615000 | 7.095000 | 2.300000 | 6.855000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |


```
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
```

Trace Coordinates:

```
Latitude Longitude
34.3163 -117.5490
34.2709 -117.4510
34.2328 -117.3887
34.1731 -117.2742
34.1500 -117.2220
```

Name: S. San Andreas;NSB+SSB
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.203

Fault Profile Parameters:

```
Dipl    Dip2    Depth1    Depth2    Depth3
  90      90      0      0.001      13
```

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 8.052e-004 | 6.963000 | 7.443000 | 2.300000 | 7.203000 |
| 0.120000 | Normal | 0.250000 | Activity | 8.052e-004 | 6.834000 | 7.314000 | 2.300000 | 7.074000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.240e-003 | 6.834000 | 7.314000 | 2.300000 | 7.074000 |
| 0.120000 | Normal | 0.050000 | Activity | 7.943e-004 | 6.834000 | 7.314000 | 2.300000 | 7.074000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.379e-003 | 6.834000 | 7.314000 | 2.300000 | 7.074000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.053e-003 | 6.963000 | 7.443000 | 2.300000 | 7.203000 |
| 0.120000 | Normal | 0.050000 | Activity | 6.413e-004 | 6.963000 | 7.443000 | 2.300000 | 7.203000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.176e-003 | 6.963000 | 7.443000 | 2.300000 | 7.203000 |

Rupture Length Parameters

```
Rupture Dimensioning      A1      B1      Sig1      Aw      Bw      Sigw      Aa
Ba      Sigw
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
```

```

--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
    
```

Trace Coordinates:

```

Latitude  Longitude
34.3163   -117.5490
34.2709   -117.4510
34.2328   -117.3887
34.1731   -117.2742
34.1500   -117.2220
34.0928   -117.0677
34.0738   -117.0139
34.0338   -116.9024
34.0114   -116.8735
33.9591   -116.8198
    
```

Name: S. San Andreas;NSB+SSB+BG
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.467

Fault Profile Parameters:

```

Dip1      Dip2      Depth1     Depth2     Depth3
  90       75.4         0         0.001     13.55
    
```

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 4.026e-004 | 7.227000 | 7.707000 | 2.300000 | 7.467000 |
| 0.120000 | Normal | 0.250000 | Activity | 4.026e-004 | 7.186000 | 7.666000 | 2.300000 | 7.426000 |
| 0.120000 | Normal | 0.125000 | Activity | 3.040e-005 | 7.186000 | 7.666000 | 2.300000 | 7.426000 |
| 0.120000 | Normal | 0.050000 | Activity | 5.033e-006 | 7.186000 | 7.666000 | 2.300000 | 7.426000 |
| 0.120000 | Normal | 0.075000 | Activity | 5.033e-006 | 7.186000 | 7.666000 | 2.300000 | 7.426000 |
| 0.120000 | Normal | 0.125000 | Activity | 2.255e-004 | 7.227000 | 7.707000 | 2.300000 | 7.467000 |
| 0.120000 | Normal | 0.050000 | Activity | 3.675e-005 | 7.227000 | 7.707000 | 2.300000 | 7.467000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.786e-004 | 7.227000 | 7.707000 | 2.300000 | 7.467000 |

Rupture Length Parameters

```

Rupture Dimensioning  A1      B1      Sig1      Aw      Bw      Sigw      Aa
Ba      Sigw
    
```

```

    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
    Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
    
```

Trace Coordinates:

```

Latitude Longitude
33.7882 -116.2463
33.8485 -116.3830
33.8481 -116.4265
33.8847 -116.5169
33.9070 -116.5849
33.9176 -116.6239
33.9442 -116.6858
33.9374 -116.7786
33.9532 -116.8014
33.9591 -116.8198
34.0114 -116.8735
34.0338 -116.9024
34.0738 -117.0139
34.0928 -117.0677
34.1500 -117.2220
34.1731 -117.2742
34.2328 -117.3887
34.2709 -117.4510
34.3163 -117.5490
    
```

Name: S. San Andreas;NSB+SSB+BG+CO
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.611

Fault Profile Parameters:

```

Dip1 Dip2 Depth1 Depth2 Depth3
90 79.4 0.2 0.201 12
    
```

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 4.026e-004 | 7.365000 | 7.845000 | 2.300000 | 7.605000 |
| | Delta1 | 10.000000 | | | | | | |
| | Normal | 0.250000 | Activity | 4.026e-004 | 7.371000 | 7.851000 | 2.300000 | 7.611000 |

```

0.120000 0.010000 10.000000
          Normal 0.125000 Activity 2.181e-004 7.371000 7.851000 2.300000 7.611000
0.120000 0.010000 10.000000
          Normal 0.050000 Activity 5.033e-006 7.371000 7.851000 2.300000 7.611000
0.120000 0.010000 10.000000
          Normal 0.075000 Activity 2.755e-004 7.371000 7.851000 2.300000 7.611000
0.120000 0.010000 10.000000
          Normal 0.125000 Activity 2.241e-004 7.365000 7.845000 2.300000 7.605000
0.120000 0.010000 10.000000
          Normal 0.050000 Activity 5.033e-006 7.365000 7.845000 2.300000 7.605000
0.120000 0.010000 10.000000
          Normal 0.075000 Activity 2.454e-004 7.365000 7.845000 2.300000 7.605000
0.120000 0.010000 10.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.3501 | -115.7119 |
| 33.7882 | -116.2463 |
| 33.8485 | -116.3830 |
| 33.8481 | -116.4265 |
| 33.8847 | -116.5169 |
| 33.9070 | -116.5849 |
| 33.9176 | -116.6239 |
| 33.9442 | -116.6858 |
| 33.9374 | -116.7786 |
| 33.9532 | -116.8014 |
| 33.9591 | -116.8198 |
| 34.0114 | -116.8735 |
| 34.0338 | -116.9024 |
| 34.0738 | -117.0139 |
| 34.0928 | -117.0677 |
| 34.1500 | -117.2220 |
| 34.1731 | -117.2742 |
| 34.2328 | -117.3887 |
| 34.2709 | -117.4510 |
| 34.3163 | -117.5490 |

Name: S. San Andreas;PK
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 6.092

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 4 | 4.001 | 6 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 3.483e-002 | 5.852000 | 6.332000 | 2.300000 | 6.092000 |
| 0.120000 | Normal | 0.250000 | Activity | 3.483e-002 | 5.632000 | 6.112000 | 2.300000 | 5.872000 |
| 0.120000 | Normal | 0.125000 | Activity | 5.337e-002 | 5.632000 | 6.112000 | 2.300000 | 5.872000 |
| 0.120000 | Normal | 0.050000 | Activity | 5.341e-002 | 5.632000 | 6.112000 | 2.300000 | 5.872000 |
| 0.120000 | Normal | 0.075000 | Activity | 5.256e-002 | 5.632000 | 6.112000 | 2.300000 | 5.872000 |
| 0.120000 | Normal | 0.125000 | Activity | 2.516e-002 | 5.852000 | 6.332000 | 2.300000 | 6.092000 |
| 0.120000 | Normal | 0.050000 | Activity | 2.517e-002 | 5.852000 | 6.332000 | 2.300000 | 6.092000 |
| 0.120000 | Normal | 0.075000 | Activity | 2.508e-002 | 5.852000 | 6.332000 | 2.300000 | 6.092000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 35.7520 | -120.3001 |
| 36.0027 | -120.5609 |

Name: S. San Andreas;PK+CH
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.118

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0.4 | 0.401 | 8.4 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 1.610e-003 | 6.878000 | 7.358000 | 2.300000 | 7.118000 |
| 0.120000 | Normal | 0.250000 | Activity | 1.610e-003 | 6.721000 | 7.201000 | 2.300000 | 6.961000 |
| 0.120000 | Normal | 0.125000 | Activity | 7.135e-003 | 6.721000 | 7.201000 | 2.300000 | 6.961000 |
| 0.120000 | Normal | 0.050000 | Activity | 7.120e-003 | 6.721000 | 7.201000 | 2.300000 | 6.961000 |
| 0.120000 | Normal | 0.075000 | Activity | 7.190e-003 | 6.721000 | 7.201000 | 2.300000 | 6.961000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.366e-003 | 6.878000 | 7.358000 | 2.300000 | 7.118000 |
| 0.120000 | Normal | 0.050000 | Activity | 4.363e-003 | 6.878000 | 7.358000 | 2.300000 | 7.118000 |
| 0.120000 | Normal | 0.075000 | Activity | 4.374e-003 | 6.878000 | 7.358000 | 2.300000 | 7.118000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 36.0027 | -120.5609 |
| 35.7520 | -120.3001 |
| 35.5333 | -120.0867 |

35.4139 -119.9703
 35.3142 -119.8660

Name: S. San Andreas;PK+CH+CC
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.435

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0.2 | 0.201 | 11.2 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 7.046e-004 | 7.195000 | 7.675000 | 2.300000 | 7.435000 |
| 0.120000 | Normal | 0.250000 | Activity | 7.046e-004 | 7.144000 | 7.624000 | 2.300000 | 7.384000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.243e-004 | 7.144000 | 7.624000 | 2.300000 | 7.384000 |
| 0.120000 | Normal | 0.050000 | Activity | 4.304e-004 | 7.144000 | 7.624000 | 2.300000 | 7.384000 |
| 0.120000 | Normal | 0.075000 | Activity | 4.213e-004 | 7.144000 | 7.624000 | 2.300000 | 7.384000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.234e-004 | 7.195000 | 7.675000 | 2.300000 | 7.435000 |
| 0.120000 | Normal | 0.050000 | Activity | 4.337e-004 | 7.195000 | 7.675000 | 2.300000 | 7.435000 |
| 0.120000 | Normal | 0.075000 | Activity | 4.046e-004 | 7.195000 | 7.675000 | 2.300000 | 7.435000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

Latitude Longitude

36.0027 -120.5609
 35.7520 -120.3001
 35.5333 -120.0867
 35.4139 -119.9703
 35.3142 -119.8660
 35.1607 -119.7068
 35.0475 -119.5583
 34.9878 -119.4711
 34.9441 -119.4029

Name: S. San Andreas;PK+CH+CC+BB
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.594

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0.1 | 0.101 | 12.1 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 4.026e-004 | 7.353000 | 7.833000 | 2.300000 | 7.593000 |
| 0.120000 | Normal | 0.250000 | Activity | 4.026e-004 | 7.354000 | 7.834000 | 2.300000 | 7.594000 |
| 0.120000 | Normal | 0.125000 | Activity | 8.412e-004 | 7.354000 | 7.834000 | 2.300000 | 7.594000 |
| 0.120000 | Normal | 0.050000 | Activity | 8.947e-004 | 7.354000 | 7.834000 | 2.300000 | 7.594000 |
| 0.120000 | Normal | 0.075000 | Activity | 7.728e-004 | 7.354000 | 7.834000 | 2.300000 | 7.594000 |
| 0.120000 | Normal | 0.125000 | Activity | 8.278e-004 | 7.353000 | 7.833000 | 2.300000 | 7.593000 |
| 0.120000 | Normal | 0.050000 | Activity | 8.473e-004 | 7.353000 | 7.833000 | 2.300000 | 7.593000 |
| 0.120000 | Normal | 0.075000 | Activity | 7.881e-004 | 7.353000 | 7.833000 | 2.300000 | 7.593000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |


```

        Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
        Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
    
```

Trace Coordinates:

```

Latitude  Longitude
36.0027   -120.5609
35.7520   -120.3001
35.5333   -120.0867
35.4139   -119.9703
35.3142   -119.8660
35.1607   -119.7068
35.0475   -119.5583
34.9878   -119.4711
34.9441   -119.4029
34.9157   -119.3629
34.8639   -119.2100
34.8290   -119.0301
34.8076   -118.8901
    
```

Name: S. San Andreas;PK+CH+CC+BB+NM
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.711

Fault Profile Parameters:

```

Dip1      Dip2      Depth1     Depth2     Depth3
  90        90         0.1        0.101      12.1
    
```

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 7.046e-004 | 7.441000 | 7.921000 | 2.300000 | 7.681000 |
| 0.120000 | Normal | 0.250000 | Activity | 7.046e-004 | 7.471000 | 7.951000 | 2.300000 | 7.711000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.664e-003 | 7.471000 | 7.951000 | 2.300000 | 7.711000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.478e-003 | 7.471000 | 7.951000 | 2.300000 | 7.711000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.956e-003 | 7.471000 | 7.951000 | 2.300000 | 7.711000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.557e-003 | 7.441000 | 7.921000 | 2.300000 | 7.681000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.465e-003 | 7.441000 | 7.921000 | 2.300000 | 7.681000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.753e-003 | 7.441000 | 7.921000 | 2.300000 | 7.681000 |

Rupture Length Parameters

```

Rupture Dimensioning      A1      B1      Sig1      Aw      Bw      Sigw      Aa
Ba      Sigw
        Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
    
```

```
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
```

Trace Coordinates:

```
Latitude Longitude
36.0027 -120.5609
35.7520 -120.3001
35.5333 -120.0867
35.4139 -119.9703
35.3142 -119.8660
35.1607 -119.7068
35.0475 -119.5583
34.9878 -119.4711
34.9441 -119.4029
34.9157 -119.3629
34.8639 -119.2100
34.8290 -119.0301
34.8076 -118.8901
34.8072 -118.8876
34.7732 -118.7673
34.6985 -118.5090
```

Name: S. San Andreas;PK+CH+CC+BB+NM+SM
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.915

Fault Profile Parameters:

```
Dipl    Dip2    Depth1    Depth2    Depth3
  90      90      0.1      0.101    13.1
```

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|-----------|
| 0.120000 | Normal | 0.25 | Activity | 2.013e-003 | 7.594000 | 8.074000 | 2.300000 | 7.834000 |
| | | 0.010000 | | | | | | 10.000000 |
| 0.120000 | Normal | 0.250000 | Activity | 2.013e-003 | 7.675000 | 8.155000 | 2.300000 | 7.915000 |
| | | 0.010000 | | | | | | 10.000000 |
| 0.120000 | Normal | 0.125000 | Activity | 6.443e-004 | 7.675000 | 8.155000 | 2.300000 | 7.915000 |
| | | 0.010000 | | | | | | 10.000000 |
| 0.120000 | Normal | 0.050000 | Activity | 7.149e-004 | 7.675000 | 8.155000 | 2.300000 | 7.915000 |
| | | | | | | | | |

```

0.120000  0.010000  10.000000
           Normal  0.075000  Activity  5.033e-006  7.675000  8.155000  2.300000  7.915000
0.120000  0.010000  10.000000
           Normal  0.125000  Activity  1.032e-003  7.594000  8.074000  2.300000  7.834000
0.120000  0.010000  10.000000
           Normal  0.050000  Activity  1.067e-003  7.594000  8.074000  2.300000  7.834000
0.120000  0.010000  10.000000
           Normal  0.075000  Activity  6.211e-004  7.594000  8.074000  2.300000  7.834000
0.120000  0.010000  10.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 36.0027 | -120.5609 |
| 35.7520 | -120.3001 |
| 35.5333 | -120.0867 |
| 35.4139 | -119.9703 |
| 35.3142 | -119.8660 |
| 35.1607 | -119.7068 |
| 35.0475 | -119.5583 |
| 34.9878 | -119.4711 |
| 34.9441 | -119.4029 |
| 34.9157 | -119.3629 |
| 34.8639 | -119.2100 |
| 34.8290 | -119.0301 |
| 34.8076 | -118.8901 |
| 34.8072 | -118.8876 |
| 34.7732 | -118.7673 |
| 34.6985 | -118.5090 |
| 34.5478 | -118.1039 |
| 34.4029 | -117.7536 |
| 34.3163 | -117.5490 |

Name: S. San Andreas;PK+CH+CC+BB+NM+SM+NSB
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude

Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.973

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0.1 | 0.101 | 13.1 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 5.033e-004 | 7.637000 | 8.117000 | 2.300000 | 7.877000 |
| 0.120000 | Normal | 0.250000 | Activity | 5.033e-004 | 7.733000 | 8.213000 | 2.300000 | 7.973000 |
| 0.120000 | Normal | 0.125000 | Activity | 3.545e-004 | 7.733000 | 8.213000 | 2.300000 | 7.973000 |
| 0.120000 | Normal | 0.050000 | Activity | 4.472e-004 | 7.733000 | 8.213000 | 2.300000 | 7.973000 |
| 0.120000 | Normal | 0.075000 | Activity | 8.035e-004 | 7.733000 | 8.213000 | 2.300000 | 7.973000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.268e-004 | 7.637000 | 8.117000 | 2.300000 | 7.877000 |
| 0.120000 | Normal | 0.050000 | Activity | 4.738e-004 | 7.637000 | 8.117000 | 2.300000 | 7.877000 |
| 0.120000 | Normal | 0.075000 | Activity | 6.935e-004 | 7.637000 | 8.117000 | 2.300000 | 7.877000 |

Rupture Length Parameters

| Rupture | Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|---------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 36.0027 | -120.5609 |
| 35.7520 | -120.3001 |
| 35.5333 | -120.0867 |
| 35.4139 | -119.9703 |
| 35.3142 | -119.8660 |
| 35.1607 | -119.7068 |
| 35.0475 | -119.5583 |
| 34.9878 | -119.4711 |

34.9441 -119.4029
 34.9157 -119.3629
 34.8639 -119.2100
 34.8290 -119.0301
 34.8076 -118.8901
 34.8072 -118.8876
 34.7732 -118.7673
 34.6985 -118.5090
 34.5478 -118.1039
 34.4029 -117.7536
 34.3163 -117.5490
 34.2709 -117.4510
 34.2328 -117.3887
 34.1731 -117.2742
 34.1500 -117.2220

Name: S. San Andreas;PK+CH+CC+BB+NM+SM+NSB+SSB
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 8.037

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0.1 | 0.101 | 13.1 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 1.007e-004 | 7.685000 | 8.165000 | 2.300000 | 7.925000 |
| 0.120000 | Normal | 0.250000 | Activity | 1.007e-004 | 7.797000 | 8.277000 | 2.300000 | 8.037000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.085e-004 | 7.797000 | 8.277000 | 2.300000 | 8.037000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.007e-004 | 7.797000 | 8.277000 | 2.300000 | 8.037000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.310e-004 | 7.797000 | 8.277000 | 2.300000 | 8.037000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.002e-004 | 7.685000 | 8.165000 | 2.300000 | 7.925000 |
| 0.120000 | Normal | 0.050000 | Activity | 9.723e-005 | 7.685000 | 8.165000 | 2.300000 | 7.925000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.125e-004 | 7.685000 | 8.165000 | 2.300000 | 7.925000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

```

    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--
    
```

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.9591 | -116.8198 |
| 34.0114 | -116.8735 |
| 34.0338 | -116.9024 |
| 34.0738 | -117.0139 |
| 34.0928 | -117.0677 |
| 34.1500 | -117.2220 |
| 34.1731 | -117.2742 |
| 34.2328 | -117.3887 |
| 34.2709 | -117.4510 |
| 34.3163 | -117.5490 |
| 34.4029 | -117.7536 |
| 34.5478 | -118.1039 |
| 34.6985 | -118.5090 |
| 34.7732 | -118.7673 |
| 34.8072 | -118.8876 |
| 34.8076 | -118.8901 |
| 34.8290 | -119.0301 |
| 34.8639 | -119.2100 |
| 34.9157 | -119.3629 |
| 34.9441 | -119.4029 |
| 34.9878 | -119.4711 |
| 35.0475 | -119.5583 |
| 35.1607 | -119.7068 |
| 35.3142 | -119.8660 |
| 35.4139 | -119.9703 |
| 35.5333 | -120.0867 |
| 35.7520 | -120.3001 |
| 36.0027 | -120.5609 |

Name: S. San Andreas;PK+CH+CC+BB+NM+SM+NSB+SSB+BG
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 8.122

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 85.6 | 0.1 | 0.101 | 13.06 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|-------|-----------|--------|----------|------|--------|--------|------|------|
| | Delta1 | Delta2 | | | | | | |

| | | | | | | | | |
|----------|----------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 5.033e-005 | 7.749000 | 8.229000 | 2.300000 | 7.989000 |
| | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.250000 | Activity | 5.033e-005 | 7.882000 | 8.362000 | 2.300000 | 8.122000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 4.085e-005 | 7.882000 | 8.362000 | 2.300000 | 8.122000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 3.540e-005 | 7.882000 | 8.362000 | 2.300000 | 8.122000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 4.277e-005 | 7.882000 | 8.362000 | 2.300000 | 8.122000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 4.696e-005 | 7.749000 | 8.229000 | 2.300000 | 7.989000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 4.414e-005 | 7.749000 | 8.229000 | 2.300000 | 7.989000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 4.869e-005 | 7.749000 | 8.229000 | 2.300000 | 7.989000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.7882 | -116.2463 |
| 33.8485 | -116.3830 |
| 33.8481 | -116.4265 |
| 33.8847 | -116.5169 |
| 33.9070 | -116.5849 |
| 33.9176 | -116.6239 |
| 33.9442 | -116.6858 |
| 33.9374 | -116.7786 |
| 33.9532 | -116.8014 |
| 33.9591 | -116.8198 |
| 34.0114 | -116.8735 |
| 34.0338 | -116.9024 |
| 34.0738 | -117.0139 |
| 34.0928 | -117.0677 |
| 34.1500 | -117.2220 |
| 34.1731 | -117.2742 |
| 34.2328 | -117.3887 |
| 34.2709 | -117.4510 |

34.3163 -117.5490
 34.4029 -117.7536
 34.5478 -118.1039
 34.6985 -118.5090
 34.7732 -118.7673
 34.8072 -118.8876
 34.8076 -118.8901
 34.8290 -119.0301
 34.8639 -119.2100
 34.9157 -119.3629
 34.9441 -119.4029
 34.9878 -119.4711
 35.0475 -119.5583
 35.1607 -119.7068
 35.3142 -119.8660
 35.4139 -119.9703
 35.5333 -120.0867
 35.7520 -120.3001
 36.0027 -120.5609

Name: S. San Andreas;PK+CH+CC+BB+NM+SM+NSB+SSB+BG+CO
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 8.184

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 86.1 | 0.1 | 0.101 | 13.07 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 1.007e-004 | 7.796000 | 8.276000 | 2.300000 | 8.036000 |
| | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.250000 | Activity | 1.007e-004 | 7.944000 | 8.424000 | 2.300000 | 8.184000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 6.662e-005 | 7.944000 | 8.424000 | 2.300000 | 8.184000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 3.292e-005 | 7.944000 | 8.424000 | 2.300000 | 8.184000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 8.830e-005 | 7.944000 | 8.424000 | 2.300000 | 8.184000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 8.242e-005 | 7.796000 | 8.276000 | 2.300000 | 8.036000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 6.595e-005 | 7.796000 | 8.276000 | 2.300000 | 8.036000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 9.337e-005 | 7.796000 | 8.276000 | 2.300000 | 8.036000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | |


```
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --  
--      --  
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --  
--      --  
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --  
--      --  
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --  
--      --  
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --  
--      --  
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --  
--      --  
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --  
--      --
```

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.3501 | -115.7119 |
| 33.7882 | -116.2463 |
| 33.8485 | -116.3830 |
| 33.8481 | -116.4265 |
| 33.8847 | -116.5169 |
| 33.9070 | -116.5849 |
| 33.9176 | -116.6239 |
| 33.9442 | -116.6858 |
| 33.9374 | -116.7786 |
| 33.9532 | -116.8014 |
| 33.9591 | -116.8198 |
| 34.0114 | -116.8735 |
| 34.0338 | -116.9024 |
| 34.0738 | -117.0139 |
| 34.0928 | -117.0677 |
| 34.1500 | -117.2220 |
| 34.1731 | -117.2742 |
| 34.2328 | -117.3887 |
| 34.2709 | -117.4510 |
| 34.3163 | -117.5490 |
| 34.4029 | -117.7536 |
| 34.5478 | -118.1039 |
| 34.6985 | -118.5090 |
| 34.7732 | -118.7673 |
| 34.8072 | -118.8876 |
| 34.8076 | -118.8901 |
| 34.8290 | -119.0301 |
| 34.8639 | -119.2100 |
| 34.9157 | -119.3629 |
| 34.9441 | -119.4029 |
| 34.9878 | -119.4711 |
| 35.0475 | -119.5583 |
| 35.1607 | -119.7068 |
| 35.3142 | -119.8660 |
| 35.4139 | -119.9703 |
| 35.5333 | -120.0867 |
| 35.7520 | -120.3001 |
| 36.0027 | -120.5609 |

Name: S. San Andreas;SM

Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.307

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 13 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 5.033e-004 | 7.067000 | 7.547000 | 2.300000 | 7.307000 |
| 0.120000 | Normal | 0.250000 | Activity | 5.033e-004 | 6.972000 | 7.452000 | 2.300000 | 7.212000 |
| 0.120000 | Normal | 0.125000 | Activity | 6.802e-004 | 6.972000 | 7.452000 | 2.300000 | 7.212000 |
| 0.120000 | Normal | 0.050000 | Activity | 8.646e-004 | 6.972000 | 7.452000 | 2.300000 | 7.212000 |
| 0.120000 | Normal | 0.075000 | Activity | 3.723e-004 | 6.972000 | 7.452000 | 2.300000 | 7.212000 |
| 0.120000 | Normal | 0.125000 | Activity | 6.481e-004 | 7.067000 | 7.547000 | 2.300000 | 7.307000 |
| 0.120000 | Normal | 0.050000 | Activity | 7.680e-004 | 7.067000 | 7.547000 | 2.300000 | 7.307000 |
| 0.120000 | Normal | 0.075000 | Activity | 3.799e-004 | 7.067000 | 7.547000 | 2.300000 | 7.307000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.6985 | -118.5090 |
| 34.5478 | -118.1039 |
| 34.4029 | -117.7536 |
| 34.3163 | -117.5490 |

Name: S. San Andreas;SM+NSB
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.438

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 13 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 6.039e-004 | 7.198000 | 7.678000 | 2.300000 | 7.438000 |
| 0.120000 | Normal | 0.250000 | Activity | 6.039e-004 | 7.148000 | 7.628000 | 2.300000 | 7.388000 |
| 0.120000 | Normal | 0.125000 | Activity | 8.991e-004 | 7.148000 | 7.628000 | 2.300000 | 7.388000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.247e-003 | 7.148000 | 7.628000 | 2.300000 | 7.388000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.026e-003 | 7.148000 | 7.628000 | 2.300000 | 7.388000 |
| 0.120000 | Normal | 0.125000 | Activity | 8.729e-004 | 7.198000 | 7.678000 | 2.300000 | 7.438000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.090e-003 | 7.198000 | 7.678000 | 2.300000 | 7.438000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.025e-003 | 7.198000 | 7.678000 | 2.300000 | 7.438000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.6985 | -118.5090 |
| 34.5478 | -118.1039 |

34.4029 -117.7536
 34.3163 -117.5490
 34.2709 -117.4510
 34.2328 -117.3887
 34.1731 -117.2742
 34.1500 -117.2220

Name: S. San Andreas;SM+NSB+SSB
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.559

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 13 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 4.026e-004 | 7.319000 | 7.799000 | 2.300000 | 7.559000 |
| 0.120000 | Normal | 0.250000 | Activity | 4.026e-004 | 7.309000 | 7.789000 | 2.300000 | 7.549000 |
| 0.120000 | Normal | 0.125000 | Activity | 7.535e-004 | 7.309000 | 7.789000 | 2.300000 | 7.549000 |
| 0.120000 | Normal | 0.050000 | Activity | 7.810e-004 | 7.309000 | 7.789000 | 2.300000 | 7.549000 |
| 0.120000 | Normal | 0.075000 | Activity | 7.649e-004 | 7.309000 | 7.789000 | 2.300000 | 7.549000 |
| 0.120000 | Normal | 0.125000 | Activity | 5.996e-004 | 7.319000 | 7.799000 | 2.300000 | 7.559000 |
| 0.120000 | Normal | 0.050000 | Activity | 5.990e-004 | 7.319000 | 7.799000 | 2.300000 | 7.559000 |
| 0.120000 | Normal | 0.075000 | Activity | 6.242e-004 | 7.319000 | 7.799000 | 2.300000 | 7.559000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

-- --

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.6985 | -118.5090 |
| 34.5478 | -118.1039 |
| 34.4029 | -117.7536 |
| 34.3163 | -117.5490 |
| 34.2709 | -117.4510 |
| 34.2328 | -117.3887 |
| 34.1731 | -117.2742 |
| 34.1500 | -117.2220 |
| 34.0928 | -117.0677 |
| 34.0738 | -117.0139 |
| 34.0338 | -116.9024 |
| 34.0114 | -116.8735 |
| 33.9591 | -116.8198 |

Name: S. San Andreas;SM+NSB+SSB+BG
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.731

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 81.4 | 0 | 0.001 | 12.85 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 3.020e-004 | 7.455000 | 7.935000 | 2.300000 | 7.695000 |
| 0.120000 | Normal | 0.250000 | Activity | 3.020e-004 | 7.491000 | 7.971000 | 2.300000 | 7.731000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.963e-004 | 7.491000 | 7.971000 | 2.300000 | 7.731000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.419e-004 | 7.491000 | 7.971000 | 2.300000 | 7.731000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.035e-004 | 7.491000 | 7.971000 | 2.300000 | 7.731000 |
| 0.120000 | Normal | 0.125000 | Activity | 2.941e-004 | 7.455000 | 7.935000 | 2.300000 | 7.695000 |
| 0.120000 | Normal | 0.050000 | Activity | 2.257e-004 | 7.455000 | 7.935000 | 2.300000 | 7.695000 |
| 0.120000 | Normal | 0.075000 | Activity | 2.629e-004 | 7.455000 | 7.935000 | 2.300000 | 7.695000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |

```

    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--
    
```

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.7882 | -116.2463 |
| 33.8485 | -116.3830 |
| 33.8481 | -116.4265 |
| 33.8847 | -116.5169 |
| 33.9070 | -116.5849 |
| 33.9176 | -116.6239 |
| 33.9442 | -116.6858 |
| 33.9374 | -116.7786 |
| 33.9532 | -116.8014 |
| 33.9591 | -116.8198 |
| 34.0114 | -116.8735 |
| 34.0338 | -116.9024 |
| 34.0738 | -117.0139 |
| 34.0928 | -117.0677 |
| 34.1500 | -117.2220 |
| 34.1731 | -117.2742 |
| 34.2328 | -117.3887 |
| 34.2709 | -117.4510 |
| 34.3163 | -117.5490 |
| 34.4029 | -117.7536 |
| 34.5478 | -118.1039 |
| 34.6985 | -118.5090 |

Name: S. San Andreas;SM+NSB+SSB+BG+CO
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.847

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 82.9 | 0.1 | 0.101 | 13 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 4.026e-004 | 7.542000 | 8.022000 | 2.300000 | 7.782000 |
| 0.120000 | Normal | 0.250000 | Activity | 4.026e-004 | 7.607000 | 8.087000 | 2.300000 | 7.847000 |
| 0.120000 | Normal | 10.000000 | | | | | | |

| | | | | | | | | |
|----------|----------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.125000 | Activity | 4.162e-004 | 7.607000 | 8.087000 | 2.300000 | 7.847000 |
| | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 1.926e-004 | 7.607000 | 8.087000 | 2.300000 | 7.847000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 4.008e-004 | 7.607000 | 8.087000 | 2.300000 | 7.847000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 3.622e-004 | 7.542000 | 8.022000 | 2.300000 | 7.782000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 1.710e-004 | 7.542000 | 8.022000 | 2.300000 | 7.782000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 3.641e-004 | 7.542000 | 8.022000 | 2.300000 | 7.782000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.3501 | -115.7119 |
| 33.7882 | -116.2463 |
| 33.8485 | -116.3830 |
| 33.8481 | -116.4265 |
| 33.8847 | -116.5169 |
| 33.9070 | -116.5849 |
| 33.9176 | -116.6239 |
| 33.9442 | -116.6858 |
| 33.9374 | -116.7786 |
| 33.9532 | -116.8014 |
| 33.9591 | -116.8198 |
| 34.0114 | -116.8735 |
| 34.0338 | -116.9024 |
| 34.0738 | -117.0139 |
| 34.0928 | -117.0677 |
| 34.1500 | -117.2220 |
| 34.1731 | -117.2742 |
| 34.2328 | -117.3887 |
| 34.2709 | -117.4510 |
| 34.3163 | -117.5490 |
| 34.4029 | -117.7536 |
| 34.5478 | -118.1039 |

34.6985 -118.5090

Name: S. San Andreas;SSB
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 6.945

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 13 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 5.033e-005 | 6.705000 | 7.185000 | 2.300000 | 6.945000 |
| 0.120000 | Normal | 0.250000 | Activity | 5.033e-005 | 6.490000 | 6.970000 | 2.300000 | 6.730000 |
| 0.120000 | Normal | 0.125000 | Activity | 5.151e-005 | 6.490000 | 6.970000 | 2.300000 | 6.730000 |
| 0.120000 | Normal | 0.050000 | Activity | 5.069e-005 | 6.490000 | 6.970000 | 2.300000 | 6.730000 |
| 0.120000 | Normal | 0.075000 | Activity | 4.943e-005 | 6.490000 | 6.970000 | 2.300000 | 6.730000 |
| 0.120000 | Normal | 0.125000 | Activity | 5.103e-005 | 6.705000 | 7.185000 | 2.300000 | 6.945000 |
| 0.120000 | Normal | 0.050000 | Activity | 4.985e-005 | 6.705000 | 7.185000 | 2.300000 | 6.945000 |
| 0.120000 | Normal | 0.075000 | Activity | 4.793e-005 | 6.705000 | 7.185000 | 2.300000 | 6.945000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.1500 | -117.2220 |

34.0928 -117.0677
 34.0738 -117.0139
 34.0338 -116.9024
 34.0114 -116.8735
 33.9591 -116.8198

Name: S. San Andreas;SSB+BG
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.346

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 70.7 | 0 | 0.001 | 13.21 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 9.059e-004 | 7.106000 | 7.586000 | 2.300000 | 7.346000 |
| 0.120000 | Normal | 0.250000 | Activity | 9.059e-004 | 7.024000 | 7.504000 | 2.300000 | 7.264000 |
| 0.120000 | Normal | 0.125000 | Activity | 5.033e-006 | 7.024000 | 7.504000 | 2.300000 | 7.264000 |
| 0.120000 | Normal | 0.050000 | Activity | 5.033e-006 | 7.024000 | 7.504000 | 2.300000 | 7.264000 |
| 0.120000 | Normal | 0.075000 | Activity | 5.033e-006 | 7.024000 | 7.504000 | 2.300000 | 7.264000 |
| 0.120000 | Normal | 0.125000 | Activity | 5.033e-006 | 7.106000 | 7.586000 | 2.300000 | 7.346000 |
| 0.120000 | Normal | 0.050000 | Activity | 5.033e-006 | 7.106000 | 7.586000 | 2.300000 | 7.346000 |
| 0.120000 | Normal | 0.075000 | Activity | 5.033e-006 | 7.106000 | 7.586000 | 2.300000 | 7.346000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.7882 | -116.2463 |
| 33.8485 | -116.3830 |
| 33.8481 | -116.4265 |
| 33.8847 | -116.5169 |
| 33.9070 | -116.5849 |
| 33.9176 | -116.6239 |
| 33.9442 | -116.6858 |
| 33.9374 | -116.7786 |
| 33.9532 | -116.8014 |
| 33.9591 | -116.8198 |
| 34.0114 | -116.8735 |
| 34.0338 | -116.9024 |
| 34.0738 | -117.0139 |
| 34.0928 | -117.0677 |
| 34.1500 | -117.2220 |

Name: S. San Andreas;SSB+BG+CO
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.521

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 77.1 | 0.2 | 0.201 | 11.9 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 4.026e-004 | 7.281000 | 7.761000 | 2.300000 | 7.521000 |
| 0.120000 | Normal | 0.250000 | Activity | 4.026e-004 | 7.257000 | 7.737000 | 2.300000 | 7.497000 |
| 0.120000 | Normal | 0.125000 | Activity | 2.499e-004 | 7.257000 | 7.737000 | 2.300000 | 7.497000 |
| 0.120000 | Normal | 0.050000 | Activity | 8.073e-005 | 7.257000 | 7.737000 | 2.300000 | 7.497000 |
| 0.120000 | Normal | 0.075000 | Activity | 8.054e-005 | 7.257000 | 7.737000 | 2.300000 | 7.497000 |
| 0.120000 | Normal | 0.125000 | Activity | 2.233e-004 | 7.281000 | 7.761000 | 2.300000 | 7.521000 |
| 0.120000 | Normal | 0.050000 | Activity | 5.831e-005 | 7.281000 | 7.761000 | 2.300000 | 7.521000 |
| 0.120000 | Normal | 0.075000 | Activity | 7.863e-005 | 7.281000 | 7.761000 | 2.300000 | 7.521000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

```
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000      --
--      --
```

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.3501 | -115.7119 |
| 33.7882 | -116.2463 |
| 33.8485 | -116.3830 |
| 33.8481 | -116.4265 |
| 33.8847 | -116.5169 |
| 33.9070 | -116.5849 |
| 33.9176 | -116.6239 |
| 33.9442 | -116.6858 |
| 33.9374 | -116.7786 |
| 33.9532 | -116.8014 |
| 33.9591 | -116.8198 |
| 34.0114 | -116.8735 |
| 34.0338 | -116.9024 |
| 34.0738 | -117.0139 |
| 34.0928 | -117.0677 |
| 34.1500 | -117.2220 |

----- End Nested Sources for Southern San Andreas -----

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

Name: San Jacinto
 Region: USGS 2008 California
 Category:Composite Seismic Source
 Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
 \USGS 2008 Lower 48.bin-ssdb
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 1
 ----- Start Nested Sources forSan Jacinto -----
 Name: San Jacinto (CC to SM)
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude

Probability of Activity: 0.1000000
 Deterministic Magnitude: 7.3

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0.2 | 0.201 | 14.2 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.000000 | Exponential | 0.25 | Activity | 4.777e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.100000 | Activity | 4.777e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.150000 | Activity | 4.777e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.250000 | Activity | 4.777e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.100000 | Activity | 4.777e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.150000 | Activity | 4.777e-003 | 6.500000 | 7.300000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|------------------------|----|----|------|----|----|------|-----------|
| Ba Sigw Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.4688 | -116.5430 |
| 33.4204 | -116.4700 |
| 33.2636 | -116.2830 |
| 33.2066 | -116.2050 |
| 33.1822 | -116.1640 |
| 33.1434 | -116.1290 |
| 33.0976 | -116.0580 |
| 33.0297 | -116.0110 |
| 33.0010 | -115.9430 |
| 32.9378 | -115.8067 |
| 32.8842 | -115.6980 |

Name: San Jacinto (SB to C)
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip

Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.10000000
 Deterministic Magnitude: 7.7

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 17 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-------------|----------|----------|------------|----------|----------|----------|----------|
| 0.000000 | Exponential | 0.25 | Activity | 1.205e-002 | 6.500000 | 7.700000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.100000 | Activity | 1.549e-002 | 6.500000 | 7.700000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.150000 | Activity | 8.825e-003 | 6.500000 | 7.700000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.250000 | Activity | 1.205e-002 | 6.500000 | 7.700000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.100000 | Activity | 1.549e-002 | 6.500000 | 7.700000 | 0.000000 | 0.000000 |
| 0.000000 | Exponential | 0.150000 | Activity | 8.825e-003 | 6.500000 | 7.700000 | 0.000000 | 0.000000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|------------------------|----|----|------|----|----|------|-----------|
| Ba Sigw Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.2936 | -117.5650 |
| 34.1820 | -117.4030 |
| 34.1917 | -117.3890 |
| 34.1588 | -117.3640 |
| 34.1013 | -117.3250 |
| 34.0170 | -117.2370 |
| 34.0067 | -117.2220 |
| 33.9045 | -117.0896 |
| 33.7364 | -116.9143 |
| 33.6967 | -116.8447 |
| 33.5112 | -116.5490 |
| 33.4896 | -116.5133 |
| 33.4166 | -116.3930 |
| 33.3960 | -116.3390 |
| 33.3839 | -116.2970 |

33.3150 -116.2100
 33.2854 -116.1470
 33.2558 -116.0990

Name: San Jacinto;A
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.277

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 17 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| | Deltal | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 8.947e-005 | 6.933000 | 7.413000 | 2.300000 | 7.173000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 6.933000 | 7.413000 | 2.300000 | 7.173000 |
| 0.120000 | Normal | 0.150000 | Activity | 8.947e-005 | 6.933000 | 7.413000 | 2.300000 | 7.173000 |
| 0.120000 | Normal | 0.250000 | Activity | 8.947e-005 | 7.037000 | 7.517000 | 2.300000 | 7.277000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.037000 | 7.517000 | 2.300000 | 7.277000 |
| 0.120000 | Normal | 0.150000 | Activity | 8.947e-005 | 7.037000 | 7.517000 | 2.300000 | 7.277000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.037000 | 7.517000 | 2.300000 | 7.277000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.8907 | -117.1083 |
| 33.7778 | -116.9790 |
| 33.7617 | -116.9620 |
| 33.7364 | -116.9143 |
| 33.6967 | -116.8447 |
| 33.5112 | -116.5490 |
| 33.4896 | -116.5133 |

Name: San Jacinto;A+C
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.497

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 17 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 3.165e-003 | 7.257000 | 7.737000 | 2.300000 | 7.497000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.250000 | Activity | 3.165e-003 | 7.226000 | 7.706000 | 2.300000 | 7.466000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.125000 | Activity | 1.179e-003 | 7.226000 | 7.706000 | 2.300000 | 7.466000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.050000 | Activity | 2.190e-003 | 7.226000 | 7.706000 | 2.300000 | 7.466000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.075000 | Activity | 7.480e-004 | 7.226000 | 7.706000 | 2.300000 | 7.466000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.125000 | Activity | 1.217e-003 | 7.257000 | 7.737000 | 2.300000 | 7.497000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.050000 | Activity | 2.124e-003 | 7.257000 | 7.737000 | 2.300000 | 7.497000 |
| | 0.010000 | 10.000000 | | | | | | |
| 0.120000 | Normal | 0.075000 | Activity | 8.016e-004 | 7.257000 | 7.737000 | 2.300000 | 7.497000 |
| | 0.010000 | 10.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | | | | | | | |
| Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.8907 | -117.1083 |
| 33.7778 | -116.9790 |

33.7617 -116.9620
 33.7364 -116.9143
 33.6967 -116.8447
 33.5112 -116.5490
 33.4896 -116.5133
 33.4166 -116.3930
 33.3960 -116.3390
 33.3839 -116.2970
 33.3150 -116.2100
 33.2854 -116.1470
 33.2558 -116.0990

Name: San Jacinto;A+CC
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.473

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 16 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 8.947e-005 | 7.194000 | 7.674000 | 2.300000 | 7.434000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.194000 | 7.674000 | 2.300000 | 7.434000 |
| 0.120000 | Normal | 0.150000 | Activity | 8.947e-005 | 7.194000 | 7.674000 | 2.300000 | 7.434000 |
| 0.120000 | Normal | 0.250000 | Activity | 8.947e-005 | 7.233000 | 7.713000 | 2.300000 | 7.473000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.233000 | 7.713000 | 2.300000 | 7.473000 |
| 0.120000 | Normal | 0.150000 | Activity | 8.947e-005 | 7.233000 | 7.713000 | 2.300000 | 7.473000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.233000 | 7.713000 | 2.300000 | 7.473000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

Latitude Longitude
 33.2066 -116.2050
 33.2636 -116.2830
 33.4204 -116.4700
 33.4688 -116.5430
 33.4896 -116.5133
 33.5112 -116.5490
 33.6967 -116.8447
 33.7364 -116.9143
 33.7617 -116.9620
 33.7778 -116.9790
 33.8907 -117.1083

Name: San Jacinto;A+CC+B
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.558

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0.1 | 0.101 | 15.1 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 8.947e-005 | 7.307000 | 7.787000 | 2.300000 | 7.547000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.307000 | 7.787000 | 2.300000 | 7.547000 |
| 0.120000 | Normal | 0.150000 | Activity | 8.947e-005 | 7.307000 | 7.787000 | 2.300000 | 7.547000 |
| 0.120000 | Normal | 0.250000 | Activity | 8.947e-005 | 7.318000 | 7.798000 | 2.300000 | 7.558000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.318000 | 7.798000 | 2.300000 | 7.558000 |
| 0.120000 | Normal | 0.150000 | Activity | 8.947e-005 | 7.318000 | 7.798000 | 2.300000 | 7.558000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.318000 | 7.798000 | 2.300000 | 7.558000 |

Rupture Length Parameters

| Rupture Dimensioning | | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.0010 | -115.9430 |
| 33.0297 | -116.0110 |
| 33.0976 | -116.0580 |
| 33.1434 | -116.1290 |
| 33.1822 | -116.1640 |
| 33.2066 | -116.2050 |
| 33.2636 | -116.2830 |
| 33.4204 | -116.4700 |
| 33.4688 | -116.5430 |
| 33.4896 | -116.5133 |
| 33.5112 | -116.5490 |
| 33.6967 | -116.8447 |
| 33.7364 | -116.9143 |
| 33.7617 | -116.9620 |
| 33.7778 | -116.9790 |
| 33.8907 | -117.1083 |

Name: San Jacinto;A+CC+B+SM
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.624

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0.1 | 0.101 | 15.1 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean | | |
|----------|-----------|-----------|----------|------------|----------|------------|----------|----------|----------|----------|
| | Normal | 0.25 | Activity | 8.947e-005 | 7.384000 | 7.864000 | 2.300000 | 7.624000 | | |
| 0.120000 | 0.010000 | 10.000000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.384000 | 7.864000 | 2.300000 | 7.624000 |
| 0.120000 | 0.010000 | 10.000000 | Normal | 0.150000 | Activity | 8.947e-005 | 7.384000 | 7.864000 | 2.300000 | 7.624000 |
| 0.120000 | 0.010000 | 10.000000 | Normal | 0.250000 | Activity | 8.947e-005 | 7.376000 | 7.856000 | 2.300000 | 7.616000 |
| 0.120000 | 0.010000 | 10.000000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.376000 | 7.856000 | 2.300000 | 7.616000 |
| 0.120000 | 0.010000 | 10.000000 | Normal | 0.150000 | Activity | 8.947e-005 | 7.376000 | 7.856000 | 2.300000 | 7.616000 |
| 0.120000 | 0.010000 | 10.000000 | Normal | 0.150000 | Activity | 8.947e-005 | 7.376000 | 7.856000 | 2.300000 | 7.616000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

```
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
--      Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--      --
```

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 32.8842 | -115.6980 |
| 32.9378 | -115.8067 |
| 33.0010 | -115.9430 |
| 33.0297 | -116.0110 |
| 33.0976 | -116.0580 |
| 33.1434 | -116.1290 |
| 33.1822 | -116.1640 |
| 33.2066 | -116.2050 |
| 33.2636 | -116.2830 |
| 33.4204 | -116.4700 |
| 33.4688 | -116.5430 |
| 33.4896 | -116.5133 |
| 33.5112 | -116.5490 |
| 33.6967 | -116.8447 |
| 33.7364 | -116.9143 |
| 33.7617 | -116.9620 |
| 33.7778 | -116.9790 |
| 33.8907 | -117.1083 |

Name: San Jacinto;B
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 6.806

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0.7 | 0.701 | 12.7 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 4.852e-003 | 6.566000 | 7.046000 | 2.300000 | 6.806000 |
| 0.120000 | Normal | 0.250000 | Activity | 4.852e-003 | 6.346000 | 6.826000 | 2.300000 | 6.586000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.474e-004 | 6.346000 | 6.826000 | 2.300000 | 6.586000 |
| 0.120000 | Normal | 0.050000 | Activity | 4.474e-004 | 6.346000 | 6.826000 | 2.300000 | 6.586000 |
| 0.120000 | Normal | 0.075000 | Activity | 4.474e-004 | 6.346000 | 6.826000 | 2.300000 | 6.586000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.474e-004 | 6.566000 | 7.046000 | 2.300000 | 6.806000 |
| 0.120000 | Normal | 0.050000 | Activity | 4.474e-004 | 6.566000 | 7.046000 | 2.300000 | 6.806000 |
| 0.120000 | Normal | 0.075000 | Activity | 4.474e-004 | 6.566000 | 7.046000 | 2.300000 | 6.806000 |

0.120000 0.010000 10.000000

Rupture Length Parameters

| Rupture Dimensioning | | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.2066 | -116.2050 |
| 33.1822 | -116.1640 |
| 33.1434 | -116.1290 |
| 33.0976 | -116.0580 |
| 33.0297 | -116.0110 |
| 33.0010 | -115.9430 |

Name: San Jacinto;B+SM
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.063

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0.4 | 0.401 | 12.4 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 1.101e-003 | 6.823000 | 7.303000 | 2.300000 | 7.063000 |
| 0.120000 | Normal | 0.250000 | Activity | 1.101e-003 | 6.647000 | 7.127000 | 2.300000 | 6.887000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.474e-004 | 6.647000 | 7.127000 | 2.300000 | 6.887000 |
| 0.120000 | Normal | 0.050000 | Activity | 4.474e-004 | 6.647000 | 7.127000 | 2.300000 | 6.887000 |
| 0.120000 | Normal | 0.075000 | Activity | 4.474e-004 | 6.647000 | 7.127000 | 2.300000 | 6.887000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.474e-004 | 6.823000 | 7.303000 | 2.300000 | 7.063000 |

```

0.120000 0.010000 10.000000
          Normal 0.050000 Activity 4.474e-004 6.823000 7.303000 2.300000 7.063000
0.120000 0.010000 10.000000
          Normal 0.075000 Activity 4.474e-004 6.823000 7.303000 2.300000 7.063000
0.120000 0.010000 10.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.2066 | -116.2050 |
| 33.1822 | -116.1640 |
| 33.1434 | -116.1290 |
| 33.0976 | -116.0580 |
| 33.0297 | -116.0110 |
| 33.0010 | -115.9430 |
| 32.9378 | -115.8067 |
| 32.8842 | -115.6980 |

Name: San Jacinto;C
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.095

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 17 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| | Normal | 0.25 | Activity | 8.947e-005 | 6.691000 | 7.171000 | 2.300000 | 6.931000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.100000 | Activity | 8.947e-005 | 6.691000 | 7.171000 | 2.300000 | 6.931000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.150000 | Activity | 8.947e-005 | 6.691000 | 7.171000 | 2.300000 | 6.931000 |

```

0.120000 0.010000 10.000000
          Normal 0.250000 Activity 8.947e-005 6.855000 7.335000 2.300000 7.095000
0.120000 0.010000 10.000000
          Normal 0.100000 Activity 8.947e-005 6.855000 7.335000 2.300000 7.095000
0.120000 0.010000 10.000000
          Normal 0.150000 Activity 8.947e-005 6.855000 7.335000 2.300000 7.095000
0.120000 0.010000 10.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | | | | | | | |
| Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.4896 | -116.5133 |
| 33.4166 | -116.3930 |
| 33.3960 | -116.3390 |
| 33.3839 | -116.2970 |
| 33.3150 | -116.2100 |
| 33.2854 | -116.1470 |
| 33.2558 | -116.0990 |

Name: San Jacinto;CC
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.033

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 16 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean | | |
|----------|-----------|-----------|----------|------------|----------|------------|----------|----------|----------|----------|
| | Deltal | Delta2 | | | | | | | | |
| | Normal | 0.25 | Activity | 8.947e-004 | 6.793000 | 7.273000 | 2.300000 | 7.033000 | | |
| 0.120000 | 0.010000 | 10.000000 | Normal | 0.250000 | Activity | 8.947e-004 | 6.608000 | 7.088000 | 2.300000 | 6.848000 |
| 0.120000 | 0.010000 | 10.000000 | Normal | 0.125000 | Activity | 4.474e-004 | 6.608000 | 7.088000 | 2.300000 | 6.848000 |
| 0.120000 | 0.010000 | 10.000000 | Normal | 0.050000 | Activity | 4.474e-004 | 6.608000 | 7.088000 | 2.300000 | 6.848000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | | |

| | | | | | | | | |
|----------|----------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.075000 | Activity | 4.474e-004 | 6.608000 | 7.088000 | 2.300000 | 6.848000 |
| | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 4.474e-004 | 6.793000 | 7.273000 | 2.300000 | 7.033000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 4.474e-004 | 6.793000 | 7.273000 | 2.300000 | 7.033000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 4.474e-004 | 6.793000 | 7.273000 | 2.300000 | 7.033000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.4688 | -116.5430 |
| 33.4204 | -116.4700 |
| 33.2636 | -116.2830 |
| 33.2066 | -116.2050 |

Name: San Jacinto;CC+B
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.235

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0.2 | 0.201 | 14.2 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| | Normal | 0.25 | Activity | 8.947e-004 | 6.995000 | 7.475000 | 2.300000 | 7.235000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.250000 | Activity | 8.947e-004 | 6.877000 | 7.357000 | 2.300000 | 7.117000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 4.474e-004 | 6.877000 | 7.357000 | 2.300000 | 7.117000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |

| | | | | | | | | |
|----------|--------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.050000 | Activity | 4.474e-004 | 6.877000 | 7.357000 | 2.300000 | 7.117000 |
| | Normal | 0.010000 | | | | | | |
| | Normal | 0.075000 | Activity | 4.474e-004 | 6.877000 | 7.357000 | 2.300000 | 7.117000 |
| 0.120000 | Normal | 0.010000 | | | | | | |
| | Normal | 0.125000 | Activity | 4.474e-004 | 6.995000 | 7.475000 | 2.300000 | 7.235000 |
| 0.120000 | Normal | 0.010000 | | | | | | |
| | Normal | 0.050000 | Activity | 4.474e-004 | 6.995000 | 7.475000 | 2.300000 | 7.235000 |
| 0.120000 | Normal | 0.010000 | | | | | | |
| | Normal | 0.075000 | Activity | 4.474e-004 | 6.995000 | 7.475000 | 2.300000 | 7.235000 |
| 0.120000 | Normal | 0.010000 | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.4688 | -116.5430 |
| 33.4204 | -116.4700 |
| 33.2636 | -116.2830 |
| 33.2066 | -116.2050 |
| 33.1822 | -116.1640 |
| 33.1434 | -116.1290 |
| 33.0976 | -116.0580 |
| 33.0297 | -116.0110 |
| 33.0010 | -115.9430 |

Name: San Jacinto;CC+B+SM
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.35

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0.2 | 0.201 | 14.2 |

Magnitude Recurrence Distributions:

| ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|-----------|--------|----------|------|--------|--------|------|------|
|-----------|--------|----------|------|--------|--------|------|------|

| | | | | | | | | |
|----------|----------|-----------|----------|------------|----------|----------|----------|----------|
| Sigma | Delta1 | Delta2 | | | | | | |
| | Normal | 0.25 | Activity | 8.947e-004 | 7.110000 | 7.590000 | 2.300000 | 7.350000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.250000 | Activity | 8.947e-004 | 7.029000 | 7.509000 | 2.300000 | 7.269000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 4.474e-004 | 7.029000 | 7.509000 | 2.300000 | 7.269000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 4.474e-004 | 7.029000 | 7.509000 | 2.300000 | 7.269000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 4.474e-004 | 7.029000 | 7.509000 | 2.300000 | 7.269000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.125000 | Activity | 4.474e-004 | 7.110000 | 7.590000 | 2.300000 | 7.350000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.050000 | Activity | 4.474e-004 | 7.110000 | 7.590000 | 2.300000 | 7.350000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |
| | Normal | 0.075000 | Activity | 4.474e-004 | 7.110000 | 7.590000 | 2.300000 | 7.350000 |
| 0.120000 | 0.010000 | 10.000000 | | | | | | |

Rupture Length Parameters

| | | | | | | | |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
| Ba | | | | | | | |
| Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |

Trace Coordinates:

| | |
|----------|-----------|
| Latitude | Longitude |
| 33.4688 | -116.5430 |
| 33.4204 | -116.4700 |
| 33.2636 | -116.2830 |
| 33.2066 | -116.2050 |
| 33.1822 | -116.1640 |
| 33.1434 | -116.1290 |
| 33.0976 | -116.0580 |
| 33.0297 | -116.0110 |
| 33.0010 | -115.9430 |
| 32.9378 | -115.8067 |
| 32.8842 | -115.6980 |

Name: San Jacinto;SBV
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude

Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.061

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 16 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 2.328e-003 | 6.821000 | 7.301000 | 2.300000 | 7.061000 |
| 0.120000 | Normal | 0.250000 | Activity | 2.328e-003 | 6.644000 | 7.124000 | 2.300000 | 6.884000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.474e-004 | 6.644000 | 7.124000 | 2.300000 | 6.884000 |
| 0.120000 | Normal | 0.050000 | Activity | 2.324e-003 | 6.644000 | 7.124000 | 2.300000 | 6.884000 |
| 0.120000 | Normal | 0.075000 | Activity | 4.474e-004 | 6.644000 | 7.124000 | 2.300000 | 6.884000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.474e-004 | 6.821000 | 7.301000 | 2.300000 | 7.061000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.598e-003 | 6.821000 | 7.301000 | 2.300000 | 7.061000 |
| 0.120000 | Normal | 0.075000 | Activity | 4.474e-004 | 6.821000 | 7.301000 | 2.300000 | 7.061000 |

Rupture Length Parameters

| Rupture | Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|---------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.2936 | -117.5650 |
| 34.1820 | -117.4030 |
| 34.1917 | -117.3890 |
| 34.1588 | -117.3640 |
| 34.1013 | -117.3250 |
| 34.0170 | -117.2370 |

Name: San Jacinto;SBV+SJV

Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.35

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 16 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 1.331e-003 | 7.110000 | 7.590000 | 2.300000 | 7.350000 |
| 0.120000 | Normal | 0.250000 | Activity | 1.331e-003 | 7.030000 | 7.510000 | 2.300000 | 7.270000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.474e-004 | 7.030000 | 7.510000 | 2.300000 | 7.270000 |
| 0.120000 | Normal | 0.050000 | Activity | 7.194e-004 | 7.030000 | 7.510000 | 2.300000 | 7.270000 |
| 0.120000 | Normal | 0.075000 | Activity | 4.474e-004 | 7.030000 | 7.510000 | 2.300000 | 7.270000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.474e-004 | 7.110000 | 7.590000 | 2.300000 | 7.350000 |
| 0.120000 | Normal | 0.050000 | Activity | 4.844e-004 | 7.110000 | 7.590000 | 2.300000 | 7.350000 |
| 0.120000 | Normal | 0.075000 | Activity | 4.474e-004 | 7.110000 | 7.590000 | 2.300000 | 7.350000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.2936 | -117.5650 |
| 34.1820 | -117.4030 |
| 34.1917 | -117.3890 |
| 34.1588 | -117.3640 |

34.1013 -117.3250
 34.0170 -117.2370
 34.0067 -117.2220
 33.9045 -117.0896
 33.8493 -117.0121
 33.8054 -116.9390
 33.7557 -116.9030

Name: San Jacinto;SBV+SJV+A
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.625

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 16 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 4.474e-004 | 7.385000 | 7.865000 | 2.300000 | 7.625000 |
| | Normal | 0.100000 | Activity | 4.474e-004 | 7.385000 | 7.865000 | 2.300000 | 7.625000 |
| 0.120000 | Normal | 0.150000 | Activity | 4.474e-004 | 7.385000 | 7.865000 | 2.300000 | 7.625000 |
| 0.120000 | Normal | 0.100000 | Activity | 4.474e-004 | 7.376000 | 7.856000 | 2.300000 | 7.616000 |
| 0.120000 | Normal | 0.250000 | Activity | 4.474e-004 | 7.376000 | 7.856000 | 2.300000 | 7.616000 |
| 0.120000 | Normal | 0.100000 | Activity | 4.474e-004 | 7.376000 | 7.856000 | 2.300000 | 7.616000 |
| 0.120000 | Normal | 0.100000 | Activity | 4.474e-004 | 7.376000 | 7.856000 | 2.300000 | 7.616000 |
| 0.120000 | Normal | 0.150000 | Activity | 4.474e-004 | 7.376000 | 7.856000 | 2.300000 | 7.616000 |
| 0.120000 | Normal | 0.100000 | Activity | 4.474e-004 | 7.376000 | 7.856000 | 2.300000 | 7.616000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | | | | | | | |
| Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.2936 | -117.5650 |
| 34.1820 | -117.4030 |
| 34.1917 | -117.3890 |

34.1588 -117.3640
 34.1013 -117.3250
 34.0170 -117.2370
 34.0067 -117.2220
 33.9045 -117.0896
 33.7364 -116.9143
 33.6967 -116.8447
 33.5112 -116.5490
 33.4896 -116.5133

Name: San Jacinto;SBV+SJV+A+C
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.777

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 17 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 1.055e-003 | 7.491000 | 7.971000 | 2.300000 | 7.731000 |
| 0.120000 | Normal | 0.250000 | Activity | 1.055e-003 | 7.537000 | 8.017000 | 2.300000 | 7.777000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.474e-004 | 7.537000 | 8.017000 | 2.300000 | 7.777000 |
| 0.120000 | Normal | 0.050000 | Activity | 4.474e-004 | 7.537000 | 8.017000 | 2.300000 | 7.777000 |
| 0.120000 | Normal | 0.075000 | Activity | 4.474e-004 | 7.537000 | 8.017000 | 2.300000 | 7.777000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.474e-004 | 7.491000 | 7.971000 | 2.300000 | 7.731000 |
| 0.120000 | Normal | 0.050000 | Activity | 4.474e-004 | 7.491000 | 7.971000 | 2.300000 | 7.731000 |
| 0.120000 | Normal | 0.075000 | Activity | 4.474e-004 | 7.491000 | 7.971000 | 2.300000 | 7.731000 |
| 0.120000 | Normal | 0.010000 | Activity | 4.474e-004 | 7.491000 | 7.971000 | 2.300000 | 7.731000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

```

    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--
    
```

Trace Coordinates:

```

Latitude Longitude
34.2936 -117.5650
34.1820 -117.4030
34.1917 -117.3890
34.1588 -117.3640
34.1013 -117.3250
34.0170 -117.2370
34.0067 -117.2220
33.9045 -117.0896
33.7364 -116.9143
33.6967 -116.8447
33.5112 -116.5490
33.4896 -116.5133
33.4166 -116.3930
33.3960 -116.3390
33.3839 -116.2970
33.3150 -116.2100
33.2854 -116.1470
33.2558 -116.0990
    
```

Name: San Jacinto;SBV+SJV+A+CC
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.759

Fault Profile Parameters:

```

Dipl  Dip2  Depth1  Depth2  Depth3
  90    90    0      0.001   16
    
```

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 8.947e-005 | 7.519000 | 7.999000 | 2.300000 | 7.759000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.519000 | 7.999000 | 2.300000 | 7.759000 |
| 0.120000 | Normal | 0.150000 | Activity | 8.947e-005 | 7.519000 | 7.999000 | 2.300000 | 7.759000 |
| 0.120000 | Normal | 0.250000 | Activity | 8.947e-005 | 7.477000 | 7.957000 | 2.300000 | 7.717000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.477000 | 7.957000 | 2.300000 | 7.717000 |
| 0.120000 | Normal | 0.150000 | Activity | 8.947e-005 | 7.477000 | 7.957000 | 2.300000 | 7.717000 |

Rupture Length Parameters

```

Rupture Dimensioning  A1  B1  Sig1  Aw  Bw  Sigw  Aa
Ba  Sigw
    
```

```

    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--  --
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--  --
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--  --
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--  --
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--  --
    Length and width  4.000000  0.000000  0.001000  4.000000  0.000000  0.001000  --
--  --

```

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.2066 | -116.2050 |
| 33.2636 | -116.2830 |
| 33.4204 | -116.4700 |
| 33.4688 | -116.5430 |
| 33.4896 | -116.5133 |
| 33.5112 | -116.5490 |
| 33.6967 | -116.8447 |
| 33.7364 | -116.9143 |
| 33.9045 | -117.0896 |
| 34.0067 | -117.2220 |
| 34.0170 | -117.2370 |
| 34.1013 | -117.3250 |
| 34.1588 | -117.3640 |
| 34.1917 | -117.3890 |
| 34.1820 | -117.4030 |
| 34.2936 | -117.5650 |

Name: San Jacinto;SBV+SJV+A+CC+B
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.826

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0.1 | 0.101 | 15.1 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|-----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 8.947e-005 | 7.586000 | 8.066000 | 2.300000 | 7.826000 |
| | Delta1 | Delta2 | | | | | | |
| | 0.010000 | 10.000000 | Activity | 8.947e-005 | 7.586000 | 8.066000 | 2.300000 | 7.826000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.586000 | 8.066000 | 2.300000 | 7.826000 |
| | 0.010000 | 10.000000 | Activity | 8.947e-005 | 7.586000 | 8.066000 | 2.300000 | 7.826000 |
| 0.120000 | Normal | 0.150000 | Activity | 8.947e-005 | 7.586000 | 8.066000 | 2.300000 | 7.826000 |
| | 0.010000 | 10.000000 | Activity | 8.947e-005 | 7.527000 | 8.007000 | 2.300000 | 7.767000 |
| 0.120000 | Normal | 0.250000 | Activity | 8.947e-005 | 7.527000 | 8.007000 | 2.300000 | 7.767000 |
| | 0.010000 | 10.000000 | Activity | 8.947e-005 | 7.527000 | 8.007000 | 2.300000 | 7.767000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.527000 | 8.007000 | 2.300000 | 7.767000 |
| | 0.010000 | 10.000000 | Activity | 8.947e-005 | 7.527000 | 8.007000 | 2.300000 | 7.767000 |

Normal 0.150000 Activity 8.947e-005 7.527000 8.007000 2.300000 7.767000
 0.120000 0.010000 10.000000

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.0010 | -115.9430 |
| 33.0297 | -116.0110 |
| 33.0976 | -116.0580 |
| 33.1434 | -116.1290 |
| 33.1822 | -116.1640 |
| 33.2066 | -116.2050 |
| 33.2636 | -116.2830 |
| 33.4204 | -116.4700 |
| 33.4688 | -116.5430 |
| 33.4896 | -116.5133 |
| 33.5112 | -116.5490 |
| 33.6967 | -116.8447 |
| 33.7364 | -116.9143 |
| 33.9045 | -117.0896 |
| 34.0067 | -117.2220 |
| 34.0170 | -117.2370 |
| 34.1013 | -117.3250 |
| 34.1588 | -117.3640 |
| 34.1917 | -117.3890 |
| 34.1820 | -117.4030 |
| 34.2936 | -117.5650 |

Name: San Jacinto;SBV+SJV+A+CC+B+SM
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.875

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0.1 | 0.101 | 15.1 |

Magnitude Recurrence Distributions:

| ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|-----------|--------|----------|------|--------|--------|------|------|
|-----------|--------|----------|------|--------|--------|------|------|

| Sigma | Delta1 | Delta2 | | | | | | | |
|----------|----------|-----------|----------|------------|----------|----------|----------|----------|--|
| | Normal | 0.25 | Activity | 8.947e-005 | 7.635000 | 8.115000 | 2.300000 | 7.875000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.100000 | Activity | 8.947e-005 | 7.635000 | 8.115000 | 2.300000 | 7.875000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.150000 | Activity | 8.947e-005 | 7.635000 | 8.115000 | 2.300000 | 7.875000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.250000 | Activity | 8.947e-005 | 7.564000 | 8.044000 | 2.300000 | 7.804000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.100000 | Activity | 8.947e-005 | 7.564000 | 8.044000 | 2.300000 | 7.804000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |
| | Normal | 0.150000 | Activity | 8.947e-005 | 7.564000 | 8.044000 | 2.300000 | 7.804000 | |
| 0.120000 | 0.010000 | 10.000000 | | | | | | | |

Rupture Length Parameters

| Rupture Dimensioning | Al | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba | | | | | | | |
| Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 32.8842 | -115.6980 |
| 32.9378 | -115.8067 |
| 33.0010 | -115.9430 |
| 33.0297 | -116.0110 |
| 33.0976 | -116.0580 |
| 33.1434 | -116.1290 |
| 33.1822 | -116.1640 |
| 33.2066 | -116.2050 |
| 33.2636 | -116.2830 |
| 33.4204 | -116.4700 |
| 33.4688 | -116.5430 |
| 33.4896 | -116.5133 |
| 33.5112 | -116.5490 |
| 33.6967 | -116.8447 |
| 33.7364 | -116.9143 |
| 33.9045 | -117.0896 |
| 34.0067 | -117.2220 |
| 34.0170 | -117.2370 |
| 34.1013 | -117.3250 |
| 34.1588 | -117.3640 |
| 34.1917 | -117.3890 |
| 34.1820 | -117.4030 |
| 34.2936 | -117.5650 |

Name: San Jacinto;SJV

Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 7.037

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 16 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 2.445e-003 | 6.797000 | 7.277000 | 2.300000 | 7.037000 |
| 0.120000 | Normal | 0.250000 | Activity | 2.445e-003 | 6.612000 | 7.092000 | 2.300000 | 6.852000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.474e-004 | 6.612000 | 7.092000 | 2.300000 | 6.852000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.409e-003 | 6.612000 | 7.092000 | 2.300000 | 6.852000 |
| 0.120000 | Normal | 0.075000 | Activity | 4.474e-004 | 6.612000 | 7.092000 | 2.300000 | 6.852000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.474e-004 | 6.797000 | 7.277000 | 2.300000 | 7.037000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.219e-003 | 6.797000 | 7.277000 | 2.300000 | 7.037000 |
| 0.120000 | Normal | 0.075000 | Activity | 4.474e-004 | 6.797000 | 7.277000 | 2.300000 | 7.037000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.0170 | -117.2370 |
| 34.0067 | -117.2220 |
| 33.9045 | -117.0896 |
| 33.8493 | -117.0121 |

33.8054 -116.9390
 33.7557 -116.9030

Name: San Jacinto;SJV+A
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.474

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 17 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 4.474e-004 | 7.196000 | 7.676000 | 2.300000 | 7.436000 |
| 0.120000 | Normal | 0.100000 | Activity | 4.474e-004 | 7.196000 | 7.676000 | 2.300000 | 7.436000 |
| 0.120000 | Normal | 0.150000 | Activity | 4.474e-004 | 7.196000 | 7.676000 | 2.300000 | 7.436000 |
| 0.120000 | Normal | 0.250000 | Activity | 4.474e-004 | 7.234000 | 7.714000 | 2.300000 | 7.474000 |
| 0.120000 | Normal | 0.100000 | Activity | 4.474e-004 | 7.234000 | 7.714000 | 2.300000 | 7.474000 |
| 0.120000 | Normal | 0.150000 | Activity | 4.474e-004 | 7.234000 | 7.714000 | 2.300000 | 7.474000 |
| 0.120000 | Normal | 0.100000 | Activity | 4.474e-004 | 7.234000 | 7.714000 | 2.300000 | 7.474000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.0170 | -117.2370 |
| 34.0067 | -117.2220 |
| 33.9045 | -117.0896 |
| 33.7364 | -116.9143 |
| 33.6967 | -116.8447 |
| 33.5112 | -116.5490 |
| 33.4896 | -116.5133 |

Name: San Jacinto;SJV+A+C
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.638

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 17 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 4.474e-004 | 7.398000 | 7.878000 | 2.300000 | 7.638000 |
| 0.120000 | Normal | 0.100000 | Activity | 4.474e-004 | 7.398000 | 7.878000 | 2.300000 | 7.638000 |
| 0.120000 | Normal | 0.150000 | Activity | 4.474e-004 | 7.398000 | 7.878000 | 2.300000 | 7.638000 |
| 0.120000 | Normal | 0.250000 | Activity | 4.474e-004 | 7.386000 | 7.866000 | 2.300000 | 7.626000 |
| 0.120000 | Normal | 0.100000 | Activity | 4.474e-004 | 7.386000 | 7.866000 | 2.300000 | 7.626000 |
| 0.120000 | Normal | 0.150000 | Activity | 4.474e-004 | 7.386000 | 7.866000 | 2.300000 | 7.626000 |
| 0.120000 | Normal | 0.100000 | Activity | 4.474e-004 | 7.386000 | 7.866000 | 2.300000 | 7.626000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.0170 | -117.2370 |
| 34.0067 | -117.2220 |
| 33.9045 | -117.0896 |
| 33.7364 | -116.9143 |
| 33.6967 | -116.8447 |
| 33.5112 | -116.5490 |
| 33.4896 | -116.5133 |
| 33.4166 | -116.3930 |
| 33.3960 | -116.3390 |
| 33.3839 | -116.2970 |
| 33.3150 | -116.2100 |

33.2854 -116.1470
 33.2558 -116.0990

Name: San Jacinto;SJV+A+CC
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.615

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 16 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 8.947e-005 | 7.375000 | 7.855000 | 2.300000 | 7.615000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.375000 | 7.855000 | 2.300000 | 7.615000 |
| 0.120000 | Normal | 0.150000 | Activity | 8.947e-005 | 7.375000 | 7.855000 | 2.300000 | 7.615000 |
| 0.120000 | Normal | 0.250000 | Activity | 8.947e-005 | 7.369000 | 7.849000 | 2.300000 | 7.609000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.369000 | 7.849000 | 2.300000 | 7.609000 |
| 0.120000 | Normal | 0.150000 | Activity | 8.947e-005 | 7.369000 | 7.849000 | 2.300000 | 7.609000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.369000 | 7.849000 | 2.300000 | 7.609000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.2066 | -116.2050 |
| 33.2636 | -116.2830 |
| 33.4204 | -116.4700 |
| 33.4688 | -116.5430 |
| 33.4896 | -116.5133 |
| 33.5112 | -116.5490 |
| 33.6967 | -116.8447 |
| 33.7364 | -116.9143 |

33.9045 -117.0896
 34.0067 -117.2220
 34.0170 -117.2370

Name: San Jacinto;SJV+A+CC+B
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.7

Fault Profile Parameters:

| Dipl | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0.1 | 0.101 | 15.1 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| | Deltal | Delta2 | | | | | | |
| 0.120000 | Normal | 0.25 | Activity | 8.947e-005 | 7.460000 | 7.940000 | 2.300000 | 7.700000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.460000 | 7.940000 | 2.300000 | 7.700000 |
| 0.120000 | Normal | 0.150000 | Activity | 8.947e-005 | 7.460000 | 7.940000 | 2.300000 | 7.700000 |
| 0.120000 | Normal | 0.250000 | Activity | 8.947e-005 | 7.432000 | 7.912000 | 2.300000 | 7.672000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.432000 | 7.912000 | 2.300000 | 7.672000 |
| 0.120000 | Normal | 0.150000 | Activity | 8.947e-005 | 7.432000 | 7.912000 | 2.300000 | 7.672000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.432000 | 7.912000 | 2.300000 | 7.672000 |

Rupture Length Parameters

| Rupture Dimensioning | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 33.0010 | -115.9430 |
| 33.0297 | -116.0110 |
| 33.0976 | -116.0580 |
| 33.1434 | -116.1290 |
| 33.1822 | -116.1640 |
| 33.2066 | -116.2050 |
| 33.2636 | -116.2830 |

33.4204 -116.4700
 33.4688 -116.5430
 33.4896 -116.5133
 33.5112 -116.5490
 33.6967 -116.8447
 33.7364 -116.9143
 33.9045 -117.0896
 34.0067 -117.2220
 34.0170 -117.2370

Name: San Jacinto;SJV+A+CC+B+SM
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.45000000
 Deterministic Magnitude: 7.76

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0.1 | 0.101 | 15.1 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 8.947e-005 | 7.520000 | 8.000000 | 2.300000 | 7.760000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.520000 | 8.000000 | 2.300000 | 7.760000 |
| 0.120000 | Normal | 0.150000 | Activity | 8.947e-005 | 7.520000 | 8.000000 | 2.300000 | 7.760000 |
| 0.120000 | Normal | 0.250000 | Activity | 8.947e-005 | 7.477000 | 7.957000 | 2.300000 | 7.717000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.477000 | 7.957000 | 2.300000 | 7.717000 |
| 0.120000 | Normal | 0.150000 | Activity | 8.947e-005 | 7.477000 | 7.957000 | 2.300000 | 7.717000 |
| 0.120000 | Normal | 0.100000 | Activity | 8.947e-005 | 7.477000 | 7.957000 | 2.300000 | 7.717000 |
| 0.120000 | Normal | 0.150000 | Activity | 8.947e-005 | 7.477000 | 7.957000 | 2.300000 | 7.717000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 32.8842 | -115.6980 |

32.9378 -115.8067
 33.0010 -115.9430
 33.0297 -116.0110
 33.0976 -116.0580
 33.1434 -116.1290
 33.1822 -116.1640
 33.2066 -116.2050
 33.2636 -116.2830
 33.4204 -116.4700
 33.4688 -116.5430
 33.4896 -116.5133
 33.5112 -116.5490
 33.6967 -116.8447
 33.7364 -116.9143
 33.9045 -117.0896
 34.0067 -117.2220
 34.0170 -117.2370

Name: San Jacinto;SM
 Region: USGS 2008 California
 Category:Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.90000000
 Deterministic Magnitude: 6.713

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 90 | 0 | 0.001 | 12 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| 0.120000 | Normal | 0.25 | Activity | 1.101e-003 | 6.473000 | 6.953000 | 2.300000 | 6.713000 |
| 0.120000 | Normal | 0.250000 | Activity | 1.101e-003 | 6.253000 | 6.733000 | 2.300000 | 6.493000 |
| 0.120000 | Normal | 0.125000 | Activity | 4.049e-003 | 6.253000 | 6.733000 | 2.300000 | 6.493000 |
| 0.120000 | Normal | 0.050000 | Activity | 4.049e-003 | 6.253000 | 6.733000 | 2.300000 | 6.493000 |
| 0.120000 | Normal | 0.075000 | Activity | 4.049e-003 | 6.253000 | 6.733000 | 2.300000 | 6.493000 |
| 0.120000 | Normal | 0.125000 | Activity | 1.508e-003 | 6.473000 | 6.953000 | 2.300000 | 6.713000 |
| 0.120000 | Normal | 0.050000 | Activity | 1.508e-003 | 6.473000 | 6.953000 | 2.300000 | 6.713000 |
| 0.120000 | Normal | 0.075000 | Activity | 1.508e-003 | 6.473000 | 6.953000 | 2.300000 | 6.713000 |

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|----|
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |


```

Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--
Length and width 4.000000 0.000000 0.001000 4.000000 0.000000 0.001000 --
--

```

Trace Coordinates:

```

Latitude Longitude
33.0010 -115.9430
32.9378 -115.8067
32.8842 -115.6980

```

----- End Nested Sources for San Jacinto -----

Attenuation Equations for Source:

```

Raw Weight Normalized Weight Name
1 0.250000 Abrahamson-Silva (2008) NGA
1 0.250000 Boore-Atkinson (2008) NGA
1 0.250000 Campbell-Bozorgnia (2008) NGA
1 0.250000 Chiou-Youngs (2008) NGA

```

```

Name: Santa Monica
Region: USGS 2008 California
Category:Composite Seismic Source
Database: C:\Users\Jay\AppData\Local\Risk Engineering\EZ-FRISK\Regions\USGS2008 Lower 48 v2.00\Files
\USGS 2008 Lower 48.bin-ssdb
Magnitude Scale: Moment Magnitude
Probability of Activity: 1

```

----- Start Nested Sources for Santa Monica -----

```

Name: Santa Monica Connected alt 1
Region: USGS 2008 California
Category:Fault
Fault Mechanism: Reverse
Magnitude Scale: Moment Magnitude
Probability of Activity: 0.25000000
Deterministic Magnitude: 7.3

```

Fault Profile Parameters:

```

Dip1 Dip2 Depth1 Depth2 Depth3
90 50.8 0 0.001 16.27

```

Magnitude Recurrence Distributions:

| | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| Sigma | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.33334 | Activity | 9.083e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |
| 0.120000 | Normal | 0.333340 | Activity | 9.083e-004 | 7.060000 | 7.540000 | 2.300000 | 7.300000 |

```

    Exponential 0.083330 Activity 3.970e-003 6.500000 7.300000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.083330 Activity 2.893e-003 6.500000 7.300000 0.000000 0.000000
0.000000 0.000000 0.000000
    Exponential 0.083330 Activity 3.970e-003 6.500000 7.300000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.083330 Activity 2.893e-003 6.500000 7.300000 0.000000 0.000000
0.000000 0.000000 0.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | | Al | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | 0.240000 | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.0691 | -118.4118 |
| 34.0421 | -118.4558 |
| 34.0356 | -118.4749 |
| 34.0316 | -118.4813 |
| 34.0304 | -118.5247 |
| 34.0324 | -118.5544 |
| 33.9832 | -118.6950 |
| 33.9731 | -118.7430 |
| 33.9581 | -118.8190 |
| 33.9474 | -118.9350 |
| 33.9698 | -119.0200 |
| 33.9748 | -119.1450 |
| 33.9388 | -119.2280 |

Name: Santa Monica Connected alt 2
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Reverse
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.25000000
 Deterministic Magnitude: 7.4

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 43.7 | 0.8 | 0.801 | 11.16 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|-------|-----------|---------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| | Normal | 0.33334 | Activity | 6.124e-004 | 7.160000 | 7.640000 | 2.300000 | 7.400000 |

```

0.120000  0.010000  10.000000
           Normal  0.333340  Activity  8.650e-004  7.060000  7.540000  2.300000  7.300000
0.120000  0.010000  10.000000
           Exponential  0.083330  Activity  3.198e-003  6.500000  7.400000  1.842068  0.000000
0.000000  0.000000  0.000000
           Exponential  0.083330  Activity  2.152e-003  6.500000  7.400000  0.000000  0.000000
0.000000  0.000000  0.000000
           Exponential  0.083330  Activity  3.781e-003  6.500000  7.300000  1.842068  0.000000
0.000000  0.000000  0.000000
           Exponential  0.083330  Activity  2.755e-003  6.500000  7.300000  0.000000  0.000000
0.000000  0.000000  0.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | A1 | B1 | Sig1 | Aw | Bw | Sigw | Aa |
|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba Sigw | | | | | | | |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | -- | -- | -- | -- | -- | -- |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |
| Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 0.240000 | | | | | | | |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.1093 | -118.2840 |
| 34.0724 | -118.3890 |
| 34.0503 | -118.4340 |
| 34.0330 | -118.4580 |
| 34.0419 | -118.4670 |
| 34.0364 | -118.4980 |
| 34.0302 | -118.5410 |
| 34.0202 | -118.5520 |
| 33.9919 | -118.6492 |
| 33.9731 | -118.7430 |
| 33.9581 | -118.8190 |
| 33.9474 | -118.9350 |
| 33.9698 | -119.0200 |
| 33.9748 | -119.1450 |
| 33.9388 | -119.2280 |

Name: Santa Monica, alt 1
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.25000000
 Deterministic Magnitude: 6.401

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 75 | 0 | 0.001 | 18.35 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|----------------|----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.16666 | Activity | 7.539e-004 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| 0.120000 | Normal | 0.166660 | Activity | 1.504e-003 | 6.160000 | 6.640000 | 2.300000 | 6.400000 |
| 0.000000 | Exponential | 0.166670 | Activity | 9.641e-004 | 6.500000 | 6.600000 | 1.842068 | 0.000000 |
| 0.000000 | Exponential | 0.166670 | Activity | 9.628e-004 | 6.500000 | 6.600000 | 0.000000 | 0.000000 |
| 0.000000 | Characteristic | 0.333340 | Activity | 1.616e-003 | 6.399000 | 6.401000 | 2.300000 | 0.000000 |
| 0.120000 | Normal | 0.16666 | Activity | 7.539e-004 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |

Rupture Length Parameters

| Ba | Rupture Dimensioning | A1 | B1 | Sigl | Aw | Bw | Sigw | Aa |
|----------|----------------------|----------|----------|----------|----------|----------|----------|-----------|
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.0691 | -118.4118 |
| 34.0421 | -118.4558 |
| 34.0356 | -118.4749 |
| 34.0316 | -118.4813 |
| 34.0304 | -118.5247 |
| 34.0324 | -118.5544 |

Name: Santa Monica, alt 2
 Region: USGS 2008 California
 Category: Fault
 Fault Mechanism: Strike Slip
 Magnitude Scale: Moment Magnitude
 Probability of Activity: 0.2500000
 Deterministic Magnitude: 6.8

Fault Profile Parameters:

| Dip1 | Dip2 | Depth1 | Depth2 | Depth3 |
|------|------|--------|--------|--------|
| 90 | 50 | 0 | 0.001 | 11.49 |

Magnitude Recurrence Distributions:

| Sigma | ModelType | Weight | RateType | Rate | MinMag | MaxMag | Beta | Mean |
|----------|-----------|----------|----------|------------|----------|----------|----------|----------|
| | Delta1 | Delta2 | | | | | | |
| 0.120000 | Normal | 0.33334 | Activity | 5.985e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |
| 0.120000 | Normal | 0.333340 | Activity | 1.194e-003 | 6.360000 | 6.840000 | 2.300000 | 6.600000 |
| 0.120000 | Normal | 0.33334 | Activity | 5.985e-004 | 6.560000 | 7.040000 | 2.300000 | 6.800000 |

```

    Exponential 0.083330 Activity 1.084e-003 6.500000 6.800000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.083330 Activity 1.038e-003 6.500000 6.800000 0.000000 0.000000
0.000000 0.000000 0.000000
    Exponential 0.083330 Activity 1.527e-003 6.500000 6.600000 1.842068 0.000000
0.000000 0.000000 0.000000
    Exponential 0.083330 Activity 1.525e-003 6.500000 6.600000 0.000000 0.000000
0.000000 0.000000 0.000000
    
```

Rupture Length Parameters

| Rupture Dimensioning | | Al | Bl | Sigl | Aw | Bw | Sigw | Aa |
|----------------------|------------------|----------|----------|----------|----------|----------|----------|-----------|
| Ba | Sigw | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| -- | Length and width | 4.000000 | 0.000000 | 0.001000 | 4.000000 | 0.000000 | 0.001000 | -- |
| -- | -- | | | | | | | |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |
| 1.020408 | Area | -- | -- | -- | -- | -- | -- | -4.153061 |

Trace Coordinates:

| Latitude | Longitude |
|----------|-----------|
| 34.1093 | -118.2840 |
| 34.0724 | -118.3890 |
| 34.0503 | -118.4340 |
| 34.0330 | -118.4580 |
| 34.0419 | -118.4670 |
| 34.0364 | -118.4980 |
| 34.0302 | -118.5410 |
| 34.0202 | -118.5520 |

----- End Nested Sources for Santa Monica -----

Attenuation Equations for Source:

| Raw Weight | Normalized Weight | Name |
|------------|-------------------|-------------------------------|
| 1 | 0.250000 | Abrahamson-Silva (2008) NGA |
| 1 | 0.250000 | Boore-Atkinson (2008) NGA |
| 1 | 0.250000 | Campbell-Bozorgnia (2008) NGA |
| 1 | 0.250000 | Chiou-Youngs (2008) NGA |

MAGNITUDE CONVERSIONS

This analysis does not require any magnitude conversions.
 Note: Your analysis may indirectly use magnitude conversions that are not listed here.

Echo File Creation Time: 10:45:23 Tuesday, October 06, 2015

Deterministic Spectra Results using EZ-FRISK 7.65 Build 004

Largest Amplitudes of Ground Motions Considering All Sources Calculated using Weighted Mean of Attenuation Equations

Amplitude Units: Acceleration (g)

Fractile: 0.5

| Period | Amplitude | Magnitude | Closest Distance (km) | Region | Controlling Source |
|--------|------------|-----------|-----------------------|----------------------|---------------------|
| PGA | 6.980e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.05 | 7.767e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.1 | 9.466e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.2 | 1.225e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.3 | 1.473e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.4 | 1.508e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.5 | 1.500e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.75 | 1.359e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 1 | 1.169e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 2 | 8.223e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 3 | 5.776e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 4 | 4.489e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |

Fractile: 0.84

| Period | Amplitude | Magnitude | Closest Distance (km) | Region | Controlling Source |
|--------|------------|-----------|-----------------------|----------------------|---------------------|
| PGA | 1.091e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.05 | 1.231e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.1 | 1.511e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.2 | 1.962e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.3 | 2.405e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.4 | 2.493e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.5 | 2.530e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.75 | 2.396e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 1 | 2.108e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 2 | 1.604e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 3 | 1.169e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 4 | 9.355e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |

Largest Amplitudes of Ground Motions Considering Sources Calculated with Abrahamson-Silva (2008) NGA
 Amplitude Units: Acceleration (g)

Fractile: 0.5

| Period | Amplitude | Magnitude | Closest Distance (km) | Region | Controlling Source |
|--------|------------|-----------|-----------------------|----------------------|---------------------|
| PGA | 7.161e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.05 | 7.473e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.1 | 9.025e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.2 | 1.185e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.3 | 1.448e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.4 | 1.504e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.5 | 1.463e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.75 | 1.274e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 1 | 1.098e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 2 | 8.593e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 3 | 6.136e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 4 | 4.745e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |

Fractile: 0.84

| Period | Amplitude | Magnitude | Closest Distance (km) | Region | Controlling Source |
|--------|------------|-----------|--------------------------|----------------------|---------------------|
| PGA | 1.066e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.05 | 1.099e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.1 | 1.332e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.2 | 1.791e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.3 | 2.253e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.4 | 2.400e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.5 | 2.395e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.75 | 2.183e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 1 | 1.925e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 2 | 1.600e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 3 | 1.183e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 4 | 9.361e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |

Largest Amplitudes of Ground Motions Considering Sources Calculated with Boore-Atkinson (2008) NGA
 Amplitude Units: Acceleration (g)

Fractile: 0.5

| Period | Amplitude | Magnitude | Closest Distance (km) | Region | Controlling Source |
|--------|------------|-----------|--------------------------|----------------------|---------------------|
| PGA | 5.475e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.05 | 6.635e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.1 | 9.348e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.2 | 1.317e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.3 | 1.588e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.4 | 1.532e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.5 | 1.433e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.75 | 1.213e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 1 | 8.941e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 2 | 5.262e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 3 | 4.294e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 4 | 3.509e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |

Fractile: 0.84

| Period | Amplitude | Magnitude | Closest Distance (km) | Region | Controlling Source |
|--------|------------|-----------|--------------------------|----------------------|---------------------|
| PGA | 9.593e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.05 | 1.192e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.1 | 1.711e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.2 | 2.382e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.3 | 2.907e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.4 | 2.791e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.5 | 2.641e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.75 | 2.307e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 1 | 1.706e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 2 | 1.086e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 3 | 9.007e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 4 | 7.523e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |

Largest Amplitudes of Ground Motions Considering Sources Calculated with Campbell-Bozorgnia (2008) NGA

Amplitude Units: Acceleration (g)

Fractile: 0.5

| Period | Amplitude | Magnitude | Closest Distance (km) | Region | Controlling Source |
|--------|------------|-----------|--------------------------|----------------------|---------------------|
| PGA | 6.704e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.05 | 7.002e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.1 | 7.720e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.2 | 9.749e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.3 | 1.237e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.4 | 1.385e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.5 | 1.551e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.75 | 1.554e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 1 | 1.422e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 2 | 1.085e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 3 | 6.954e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 4 | 5.267e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |

Fractile: 0.84

| Period | Amplitude | Magnitude | Closest Distance (km) | Region | Controlling Source |
|--------|------------|-----------|--------------------------|----------------------|---------------------|
| PGA | 1.027e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.05 | 1.100e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.1 | 1.246e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.2 | 1.547e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.3 | 1.976e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.4 | 2.253e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.5 | 2.579e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.75 | 2.717e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 1 | 2.561e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 2 | 2.108e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 3 | 1.390e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 4 | 1.074e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |

Largest Amplitudes of Ground Motions Considering Sources Calculated with Chiou-Youngs (2008) NGA
 Amplitude Units: Acceleration (g)

Fractile: 0.5

| Period | Amplitude | Magnitude | Closest Distance (km) | Region | Controlling Source |
|--------|------------|-----------|--------------------------|----------------------|---------------------|
| PGA | 8.580e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.05 | 9.956e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.1 | 1.177e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.2 | 1.423e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.3 | 1.621e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.4 | 1.608e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.5 | 1.555e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.75 | 1.397e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 1 | 1.261e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 2 | 8.188e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 3 | 5.718e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 4 | 4.435e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |

Fractile: 0.84

| Period | Amplitude | Magnitude | Closest Distance (km) | Region | Controlling Source |
|--------|------------|-----------|--------------------------|----------------------|---------------------|
| PGA | 1.311e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |

| | | | | | |
|------|------------|---------|------|----------------------|---------------------|
| 0.05 | 1.534e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.1 | 1.756e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.2 | 2.128e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.3 | 2.486e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.4 | 2.528e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.5 | 2.506e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 0.75 | 2.378e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 1 | 2.239e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 2 | 1.621e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 3 | 1.203e+000 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |
| 4 | 9.794e-001 | 7.40 Mw | 2.84 | USGS 2008 California | Oak Ridge Connected |

Largest Amplitudes of Ground Motions for Each Source

Source: Imp Extensional Gridded, Char, Normal

Region: USGS 2008 California

Closest Distance: 130.44 km

Amplitude Units: Acceleration (g)

Magnitude: 7.00 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 3.647e-002 | 5.162e-002 | 3.287e-002 | 3.361e-002 | 2.777e-002 | |
| 0.05 | 3.853e-002 | 5.135e-002 | 3.463e-002 | 3.776e-002 | 3.037e-002 | |
| 0.1 | 5.109e-002 | 6.560e-002 | 4.523e-002 | 5.010e-002 | 4.345e-002 | |
| 0.2 | 8.401e-002 | 1.155e-001 | 7.270e-002 | 8.091e-002 | 6.697e-002 | |
| 0.3 | 9.689e-002 | 1.393e-001 | 8.225e-002 | 9.293e-002 | 7.310e-002 | |
| 0.4 | 9.386e-002 | 1.344e-001 | 8.332e-002 | 8.637e-002 | 7.138e-002 | |
| 0.5 | 8.767e-002 | 1.202e-001 | 8.144e-002 | 8.237e-002 | 6.671e-002 | |
| 0.75 | 6.881e-002 | 9.235e-002 | 6.073e-002 | 6.642e-002 | 5.575e-002 | |
| 1 | 5.495e-002 | 7.109e-002 | 4.751e-002 | 5.261e-002 | 4.858e-002 | |
| 2 | 2.696e-002 | 3.149e-002 | 2.336e-002 | 2.649e-002 | 2.648e-002 | |
| 3 | 1.589e-002 | 1.803e-002 | 1.327e-002 | 1.665e-002 | 1.559e-002 | |
| 4 | 1.113e-002 | 1.201e-002 | 1.015e-002 | 1.218e-002 | 1.016e-002 | |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 6.162e-002 | 8.679e-002 | 5.760e-002 | 5.606e-002 | 4.602e-002 | |
| 0.05 | 6.687e-002 | 8.735e-002 | 6.221e-002 | 6.558e-002 | 5.232e-002 | |
| 0.1 | 9.037e-002 | 1.130e-001 | 8.279e-002 | 8.964e-002 | 7.602e-002 | |
| 0.2 | 1.489e-001 | 2.028e-001 | 1.315e-001 | 1.432e-001 | 1.179e-001 | |
| 0.3 | 1.730e-001 | 2.480e-001 | 1.506e-001 | 1.643e-001 | 1.293e-001 | |

| | | | | | |
|------|------------|------------|------------|------------|------------|
| 0.4 | 1.682e-001 | 2.412e-001 | 1.518e-001 | 1.529e-001 | 1.270e-001 |
| 0.5 | 1.586e-001 | 2.173e-001 | 1.501e-001 | 1.472e-001 | 1.197e-001 |
| 0.75 | 1.269e-001 | 1.686e-001 | 1.153e-001 | 1.215e-001 | 1.022e-001 |
| 1 | 1.022e-001 | 1.301e-001 | 9.041e-002 | 9.746e-002 | 9.095e-002 |
| 2 | 5.155e-002 | 5.732e-002 | 4.686e-002 | 5.021e-002 | 5.179e-002 |
| 3 | 3.065e-002 | 3.309e-002 | 2.649e-002 | 3.166e-002 | 3.135e-002 |
| 4 | 2.165e-002 | 2.213e-002 | 2.032e-002 | 2.321e-002 | 2.095e-002 |

Source: Imp Extensional Gridded, Char, Strike Slip
 Region: USGS 2008 California
 Closest Distance: 130.44 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.00 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 4.250e-002 | 5.463e-002 | 4.226e-002 | 3.768e-002 | 3.543e-002 |
| 0.05 | 4.475e-002 | 5.425e-002 | 4.378e-002 | 4.223e-002 | 3.873e-002 |
| 0.1 | 5.861e-002 | 6.924e-002 | 5.526e-002 | 5.479e-002 | 5.514e-002 |
| 0.2 | 9.367e-002 | 1.220e-001 | 8.738e-002 | 8.122e-002 | 8.410e-002 |
| 0.3 | 1.075e-001 | 1.473e-001 | 9.961e-002 | 9.235e-002 | 9.060e-002 |
| 0.4 | 1.041e-001 | 1.423e-001 | 1.010e-001 | 8.594e-002 | 8.718e-002 |
| 0.5 | 9.699e-002 | 1.273e-001 | 9.839e-002 | 8.204e-002 | 8.025e-002 |
| 0.75 | 7.772e-002 | 9.789e-002 | 8.171e-002 | 6.623e-002 | 6.504e-002 |
| 1 | 6.272e-002 | 7.538e-002 | 6.744e-002 | 5.249e-002 | 5.558e-002 |
| 2 | 3.126e-002 | 3.343e-002 | 3.562e-002 | 2.648e-002 | 2.952e-002 |
| 3 | 1.863e-002 | 1.915e-002 | 2.143e-002 | 1.665e-002 | 1.730e-002 |
| 4 | 1.292e-002 | 1.275e-002 | 1.550e-002 | 1.218e-002 | 1.125e-002 |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 7.176e-002 | 9.173e-002 | 7.404e-002 | 6.277e-002 | 5.850e-002 |
| 0.05 | 7.760e-002 | 9.212e-002 | 7.864e-002 | 7.319e-002 | 6.645e-002 |
| 0.1 | 1.035e-001 | 1.191e-001 | 1.012e-001 | 9.782e-002 | 9.597e-002 |
| 0.2 | 1.657e-001 | 2.140e-001 | 1.581e-001 | 1.435e-001 | 1.472e-001 |
| 0.3 | 1.917e-001 | 2.620e-001 | 1.823e-001 | 1.631e-001 | 1.593e-001 |
| 0.4 | 1.863e-001 | 2.551e-001 | 1.839e-001 | 1.520e-001 | 1.543e-001 |
| 0.5 | 1.753e-001 | 2.300e-001 | 1.814e-001 | 1.464e-001 | 1.434e-001 |
| 0.75 | 1.435e-001 | 1.786e-001 | 1.552e-001 | 1.211e-001 | 1.189e-001 |
| 1 | 1.168e-001 | 1.379e-001 | 1.283e-001 | 9.722e-002 | 1.039e-001 |
| 2 | 6.005e-002 | 6.085e-002 | 7.145e-002 | 5.019e-002 | 5.770e-002 |
| 3 | 3.608e-002 | 3.514e-002 | 4.277e-002 | 3.166e-002 | 3.477e-002 |

4 2.523e-002 2.349e-002 3.103e-002 2.321e-002 2.320e-002

Source: Imp Extensional Gridded, GR, Normal

Region: USGS 2008 California

Closest Distance: 132.16 km

Amplitude Units: Acceleration (g)

Magnitude: 7.00 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 3.583e-002 | 5.078e-002 | 3.208e-002 | 3.322e-002 | 2.724e-002 |
| 0.05 | 3.781e-002 | 5.044e-002 | 3.378e-002 | 3.730e-002 | 2.972e-002 |
| 0.1 | 5.008e-002 | 6.433e-002 | 4.409e-002 | 4.942e-002 | 4.248e-002 |
| 0.2 | 8.254e-002 | 1.135e-001 | 7.108e-002 | 7.989e-002 | 6.572e-002 |
| 0.3 | 9.543e-002 | 1.373e-001 | 8.066e-002 | 9.189e-002 | 7.193e-002 |
| 0.4 | 9.258e-002 | 1.327e-001 | 8.185e-002 | 8.543e-002 | 7.036e-002 |
| 0.5 | 8.656e-002 | 1.188e-001 | 8.012e-002 | 8.150e-002 | 6.585e-002 |
| 0.75 | 6.806e-002 | 9.149e-002 | 5.987e-002 | 6.574e-002 | 5.513e-002 |
| 1 | 5.437e-002 | 7.043e-002 | 4.690e-002 | 5.206e-002 | 4.808e-002 |
| 2 | 2.669e-002 | 3.119e-002 | 2.309e-002 | 2.621e-002 | 2.625e-002 |
| 3 | 1.573e-002 | 1.786e-002 | 1.313e-002 | 1.648e-002 | 1.546e-002 |
| 4 | 1.102e-002 | 1.190e-002 | 1.004e-002 | 1.205e-002 | 1.007e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 6.054e-002 | 8.540e-002 | 5.620e-002 | 5.542e-002 | 4.514e-002 |
| 0.05 | 6.564e-002 | 8.584e-002 | 6.069e-002 | 6.479e-002 | 5.123e-002 |
| 0.1 | 8.860e-002 | 1.109e-001 | 8.072e-002 | 8.844e-002 | 7.437e-002 |
| 0.2 | 1.463e-001 | 1.994e-001 | 1.286e-001 | 1.414e-001 | 1.158e-001 |
| 0.3 | 1.705e-001 | 2.445e-001 | 1.477e-001 | 1.625e-001 | 1.272e-001 |
| 0.4 | 1.659e-001 | 2.382e-001 | 1.491e-001 | 1.512e-001 | 1.252e-001 |
| 0.5 | 1.566e-001 | 2.149e-001 | 1.477e-001 | 1.456e-001 | 1.182e-001 |
| 0.75 | 1.255e-001 | 1.671e-001 | 1.137e-001 | 1.203e-001 | 1.011e-001 |
| 1 | 1.012e-001 | 1.289e-001 | 8.924e-002 | 9.646e-002 | 9.002e-002 |
| 2 | 5.103e-002 | 5.678e-002 | 4.633e-002 | 4.968e-002 | 5.134e-002 |
| 3 | 3.035e-002 | 3.278e-002 | 2.620e-002 | 3.133e-002 | 3.109e-002 |
| 4 | 2.144e-002 | 2.192e-002 | 2.010e-002 | 2.296e-002 | 2.078e-002 |

Source: Imp Extensional Gridded, GR, Strike Slip

Region: USGS 2008 California

Closest Distance: 132.16 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.00 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 4.174e-002 | 5.373e-002 | 4.124e-002 | 3.725e-002 | 3.475e-002 |
| 0.05 | 4.391e-002 | 5.329e-002 | 4.271e-002 | 4.171e-002 | 3.791e-002 |
| 0.1 | 5.744e-002 | 6.790e-002 | 5.388e-002 | 5.404e-002 | 5.393e-002 |
| 0.2 | 9.202e-002 | 1.199e-001 | 8.543e-002 | 8.021e-002 | 8.255e-002 |
| 0.3 | 1.058e-001 | 1.452e-001 | 9.769e-002 | 9.132e-002 | 8.918e-002 |
| 0.4 | 1.026e-001 | 1.404e-001 | 9.919e-002 | 8.501e-002 | 8.595e-002 |
| 0.5 | 9.575e-002 | 1.258e-001 | 9.680e-002 | 8.117e-002 | 7.922e-002 |
| 0.75 | 7.685e-002 | 9.698e-002 | 8.056e-002 | 6.556e-002 | 6.431e-002 |
| 1 | 6.205e-002 | 7.469e-002 | 6.656e-002 | 5.195e-002 | 5.501e-002 |
| 2 | 3.095e-002 | 3.312e-002 | 3.521e-002 | 2.620e-002 | 2.926e-002 |
| 3 | 1.845e-002 | 1.897e-002 | 2.119e-002 | 1.648e-002 | 1.715e-002 |
| 4 | 1.279e-002 | 1.263e-002 | 1.533e-002 | 1.205e-002 | 1.116e-002 |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 7.050e-002 | 9.027e-002 | 7.226e-002 | 6.207e-002 | 5.740e-002 |
| 0.05 | 7.616e-002 | 9.054e-002 | 7.672e-002 | 7.232e-002 | 6.508e-002 |
| 0.1 | 1.015e-001 | 1.168e-001 | 9.863e-002 | 9.651e-002 | 9.393e-002 |
| 0.2 | 1.628e-001 | 2.104e-001 | 1.545e-001 | 1.417e-001 | 1.445e-001 |
| 0.3 | 1.888e-001 | 2.583e-001 | 1.788e-001 | 1.613e-001 | 1.569e-001 |
| 0.4 | 1.838e-001 | 2.519e-001 | 1.807e-001 | 1.503e-001 | 1.522e-001 |
| 0.5 | 1.731e-001 | 2.274e-001 | 1.784e-001 | 1.449e-001 | 1.416e-001 |
| 0.75 | 1.419e-001 | 1.770e-001 | 1.530e-001 | 1.199e-001 | 1.176e-001 |
| 1 | 1.156e-001 | 1.366e-001 | 1.267e-001 | 9.622e-002 | 1.028e-001 |
| 2 | 5.944e-002 | 6.028e-002 | 7.064e-002 | 4.966e-002 | 5.720e-002 |
| 3 | 3.573e-002 | 3.480e-002 | 4.229e-002 | 3.133e-002 | 3.448e-002 |
| 4 | 2.498e-002 | 2.327e-002 | 3.069e-002 | 2.296e-002 | 2.301e-002 |

Source: Mojave Shear Gridded
 Region: USGS 2008 California
 Closest Distance: 161.26 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.60 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 5.053e-002 | 7.419e-002 | 3.954e-002 | 4.331e-002 | 4.510e-002 | 4.510e-002 |
| 0.05 | 5.180e-002 | 6.959e-002 | 4.225e-002 | 4.739e-002 | 4.797e-002 | 4.797e-002 |
| 0.1 | 6.470e-002 | 8.415e-002 | 4.974e-002 | 5.784e-002 | 6.709e-002 | 6.709e-002 |
| 0.2 | 1.058e-001 | 1.603e-001 | 6.712e-002 | 8.825e-002 | 1.073e-001 | 1.073e-001 |
| 0.3 | 1.302e-001 | 2.141e-001 | 8.032e-002 | 1.057e-001 | 1.207e-001 | 1.207e-001 |
| 0.4 | 1.317e-001 | 2.198e-001 | 8.612e-002 | 1.008e-001 | 1.199e-001 | 1.199e-001 |
| 0.5 | 1.278e-001 | 2.060e-001 | 8.942e-002 | 1.025e-001 | 1.132e-001 | 1.132e-001 |
| 0.75 | 1.115e-001 | 1.716e-001 | 8.570e-002 | 9.265e-002 | 9.594e-002 | 9.594e-002 |
| 1 | 9.399e-002 | 1.358e-001 | 7.629e-002 | 7.908e-002 | 8.478e-002 | 8.478e-002 |
| 2 | 5.185e-002 | 6.464e-002 | 4.686e-002 | 4.720e-002 | 4.870e-002 | 4.870e-002 |
| 3 | 3.316e-002 | 3.842e-002 | 3.327e-002 | 3.125e-002 | 2.970e-002 | 2.970e-002 |
| 4 | 2.320e-002 | 2.623e-002 | 2.329e-002 | 2.346e-002 | 1.981e-002 | 1.981e-002 |

Fractile: 0.84

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 8.478e-002 | 1.237e-001 | 6.927e-002 | 7.202e-002 | 7.416e-002 | 7.416e-002 |
| 0.05 | 8.917e-002 | 1.169e-001 | 7.589e-002 | 8.192e-002 | 8.195e-002 | 8.195e-002 |
| 0.1 | 1.133e-001 | 1.430e-001 | 9.105e-002 | 1.030e-001 | 1.162e-001 | 1.162e-001 |
| 0.2 | 1.854e-001 | 2.785e-001 | 1.214e-001 | 1.555e-001 | 1.864e-001 | 1.864e-001 |
| 0.3 | 2.304e-001 | 3.779e-001 | 1.470e-001 | 1.863e-001 | 2.102e-001 | 2.102e-001 |
| 0.4 | 2.342e-001 | 3.919e-001 | 1.569e-001 | 1.780e-001 | 2.102e-001 | 2.102e-001 |
| 0.5 | 2.296e-001 | 3.706e-001 | 1.648e-001 | 1.827e-001 | 2.004e-001 | 2.004e-001 |
| 0.75 | 2.046e-001 | 3.123e-001 | 1.628e-001 | 1.693e-001 | 1.740e-001 | 1.740e-001 |
| 1 | 1.742e-001 | 2.479e-001 | 1.452e-001 | 1.464e-001 | 1.573e-001 | 1.573e-001 |
| 2 | 9.901e-002 | 1.176e-001 | 9.400e-002 | 8.945e-002 | 9.493e-002 | 9.493e-002 |
| 3 | 6.400e-002 | 7.049e-002 | 6.641e-002 | 5.942e-002 | 5.966e-002 | 5.966e-002 |
| 4 | 4.512e-002 | 4.833e-002 | 4.662e-002 | 4.469e-002 | 4.085e-002 | 4.085e-002 |

Source: San Andreas Creeping Section Gridded
 Region: USGS 2008 California

Closest Distance: 197.43 km
 Amplitude Units: Acceleration (g)
 Magnitude: 6.00 Mw
 Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|--|---|---|---|---|---|---|
|--|---|---|---|---|---|---|

| | | | | | |
|------|------------|------------|------------|------------|------------|
| PGA | 8.014e-003 | 7.508e-003 | 6.799e-003 | 1.269e-002 | 5.058e-003 |
| 0.05 | 8.445e-003 | 7.313e-003 | 7.497e-003 | 1.402e-002 | 4.947e-003 |
| 0.1 | 1.098e-002 | 8.826e-003 | 1.046e-002 | 1.798e-002 | 6.642e-003 |
| 0.2 | 1.827e-002 | 1.552e-002 | 1.892e-002 | 2.623e-002 | 1.239e-002 |
| 0.3 | 2.196e-002 | 1.986e-002 | 2.423e-002 | 2.821e-002 | 1.556e-002 |
| 0.4 | 2.083e-002 | 2.002e-002 | 2.224e-002 | 2.464e-002 | 1.642e-002 |
| 0.5 | 1.945e-002 | 1.853e-002 | 2.122e-002 | 2.213e-002 | 1.591e-002 |
| 0.75 | 1.544e-002 | 1.512e-002 | 1.701e-002 | 1.620e-002 | 1.343e-002 |
| 1 | 1.187e-002 | 1.094e-002 | 1.328e-002 | 1.185e-002 | 1.140e-002 |
| 2 | 5.173e-003 | 4.052e-003 | 6.403e-003 | 4.667e-003 | 5.570e-003 |
| 3 | 2.777e-003 | 2.097e-003 | 3.645e-003 | 2.368e-003 | 2.998e-003 |
| 4 | 1.707e-003 | 1.282e-003 | 2.296e-003 | 1.443e-003 | 1.807e-003 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 1.414e-002 | 1.417e-002 | 1.191e-002 | 2.132e-002 | 9.145e-003 | |
| 0.05 | 1.542e-002 | 1.430e-002 | 1.347e-002 | 2.460e-002 | 9.315e-003 | |
| 0.1 | 2.050e-002 | 1.762e-002 | 1.915e-002 | 3.253e-002 | 1.270e-002 | |
| 0.2 | 3.393e-002 | 3.090e-002 | 3.423e-002 | 4.686e-002 | 2.374e-002 | |
| 0.3 | 4.088e-002 | 3.921e-002 | 4.435e-002 | 5.025e-002 | 2.971e-002 | |
| 0.4 | 3.872e-002 | 3.925e-002 | 4.051e-002 | 4.385e-002 | 3.128e-002 | |
| 0.5 | 3.633e-002 | 3.616e-002 | 3.911e-002 | 3.969e-002 | 3.034e-002 | |
| 0.75 | 2.925e-002 | 2.921e-002 | 3.231e-002 | 2.972e-002 | 2.577e-002 | |
| 1 | 2.257e-002 | 2.087e-002 | 2.527e-002 | 2.199e-002 | 2.212e-002 | |
| 2 | 1.008e-002 | 7.541e-003 | 1.284e-002 | 8.845e-003 | 1.109e-002 | |
| 3 | 5.443e-003 | 3.890e-003 | 7.275e-003 | 4.502e-003 | 6.104e-003 | |
| 4 | 3.371e-003 | 2.372e-003 | 4.596e-003 | 2.749e-003 | 3.768e-003 | |

Source: San Gorgonio Shear Gridded

Region: USGS 2008 California

Closest Distance: 149.19 km

Amplitude Units: Acceleration (g)

Magnitude: 7.60 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 5.611e-002 | 8.118e-002 | 4.647e-002 | 4.601e-002 | 5.077e-002 | |
| 0.05 | 5.794e-002 | 7.676e-002 | 4.973e-002 | 5.057e-002 | 5.469e-002 | |
| 0.1 | 7.294e-002 | 9.381e-002 | 5.879e-002 | 6.223e-002 | 7.692e-002 | |
| 0.2 | 1.172e-001 | 1.765e-001 | 7.800e-002 | 9.432e-002 | 1.202e-001 | |
| 0.3 | 1.419e-001 | 2.313e-001 | 9.138e-002 | 1.120e-001 | 1.327e-001 | |
| 0.4 | 1.421e-001 | 2.348e-001 | 9.664e-002 | 1.067e-001 | 1.303e-001 | |

| | | | | | |
|------|------------|------------|------------|------------|------------|
| 0.5 | 1.369e-001 | 2.182e-001 | 9.926e-002 | 1.083e-001 | 1.221e-001 |
| 0.75 | 1.182e-001 | 1.790e-001 | 9.367e-002 | 9.771e-002 | 1.023e-001 |
| 1 | 9.939e-002 | 1.417e-001 | 8.259e-002 | 8.344e-002 | 8.989e-002 |
| 2 | 5.467e-002 | 6.754e-002 | 5.015e-002 | 4.986e-002 | 5.114e-002 |
| 3 | 3.496e-002 | 4.016e-002 | 3.557e-002 | 3.302e-002 | 3.109e-002 |
| 4 | 2.446e-002 | 2.742e-002 | 2.491e-002 | 2.479e-002 | 2.071e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 9.403e-002 | 1.349e-001 | 8.142e-002 | 7.645e-002 | 8.329e-002 | 9.315e-002 |
| 0.05 | 9.957e-002 | 1.285e-001 | 8.933e-002 | 8.732e-002 | 9.315e-002 | 9.315e-002 |
| 0.1 | 1.274e-001 | 1.587e-001 | 1.076e-001 | 1.107e-001 | 1.326e-001 | 1.326e-001 |
| 0.2 | 2.050e-001 | 3.054e-001 | 1.411e-001 | 1.660e-001 | 2.077e-001 | 2.077e-001 |
| 0.3 | 2.505e-001 | 4.071e-001 | 1.673e-001 | 1.973e-001 | 2.303e-001 | 2.303e-001 |
| 0.4 | 2.524e-001 | 4.178e-001 | 1.760e-001 | 1.882e-001 | 2.278e-001 | 2.278e-001 |
| 0.5 | 2.458e-001 | 3.918e-001 | 1.830e-001 | 1.930e-001 | 2.156e-001 | 2.156e-001 |
| 0.75 | 2.168e-001 | 3.253e-001 | 1.779e-001 | 1.785e-001 | 1.853e-001 | 1.853e-001 |
| 1 | 1.842e-001 | 2.584e-001 | 1.572e-001 | 1.544e-001 | 1.666e-001 | 1.666e-001 |
| 2 | 1.044e-001 | 1.229e-001 | 1.006e-001 | 9.449e-002 | 9.965e-002 | 9.965e-002 |
| 3 | 6.748e-002 | 7.369e-002 | 7.099e-002 | 6.278e-002 | 6.246e-002 | 6.246e-002 |
| 4 | 4.758e-002 | 5.052e-002 | 4.987e-002 | 4.722e-002 | 4.272e-002 | 4.272e-002 |

Source: Casmalia (Orcutt Frontal)

Region: USGS 2008 California

Closest Distance: 125.61 km

Amplitude Units: Acceleration (g)

Magnitude: 6.70 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 3.671e-002 | 3.323e-002 | 4.468e-002 | 4.018e-002 | 2.874e-002 | 2.874e-002 |
| 0.05 | 3.920e-002 | 3.403e-002 | 4.584e-002 | 4.535e-002 | 3.159e-002 | 3.159e-002 |
| 0.1 | 5.249e-002 | 4.447e-002 | 5.980e-002 | 6.020e-002 | 4.549e-002 | 4.549e-002 |
| 0.2 | 8.518e-002 | 7.781e-002 | 1.044e-001 | 8.852e-002 | 6.994e-002 | 6.994e-002 |
| 0.3 | 1.025e-001 | 9.602e-002 | 1.308e-001 | 1.038e-001 | 7.925e-002 | 7.925e-002 |
| 0.4 | 9.899e-002 | 9.486e-002 | 1.277e-001 | 9.641e-002 | 7.694e-002 | 7.694e-002 |
| 0.5 | 9.346e-002 | 8.872e-002 | 1.239e-001 | 8.993e-002 | 7.136e-002 | 7.136e-002 |
| 0.75 | 7.574e-002 | 7.351e-002 | 1.012e-001 | 6.969e-002 | 5.852e-002 | 5.852e-002 |
| 1 | 6.040e-002 | 5.967e-002 | 7.843e-002 | 5.373e-002 | 4.979e-002 | 4.979e-002 |
| 2 | 2.774e-002 | 2.918e-002 | 3.319e-002 | 2.491e-002 | 2.370e-002 | 2.370e-002 |
| 3 | 1.616e-002 | 1.777e-002 | 1.782e-002 | 1.526e-002 | 1.379e-002 | 1.379e-002 |
| 4 | 1.116e-002 | 1.238e-002 | 1.221e-002 | 1.102e-002 | 9.046e-003 | 9.046e-003 |

Fractile: 0.84

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 6.303e-002 | 5.802e-002 | 7.829e-002 | 6.702e-002 | 4.879e-002 | 5.576e-002 |
| 0.05 | 6.937e-002 | 6.062e-002 | 8.234e-002 | 7.877e-002 | 5.576e-002 | 8.148e-002 |
| 0.1 | 9.479e-002 | 8.047e-002 | 1.095e-001 | 1.077e-001 | 8.148e-002 | 1.258e-001 |
| 0.2 | 1.535e-001 | 1.425e-001 | 1.889e-001 | 1.566e-001 | 1.258e-001 | 1.429e-001 |
| 0.3 | 1.857e-001 | 1.770e-001 | 2.395e-001 | 1.835e-001 | 1.429e-001 | 1.394e-001 |
| 0.4 | 1.795e-001 | 1.753e-001 | 2.327e-001 | 1.707e-001 | 1.394e-001 | 1.302e-001 |
| 0.5 | 1.709e-001 | 1.645e-001 | 2.283e-001 | 1.607e-001 | 1.302e-001 | 1.087e-001 |
| 0.75 | 1.413e-001 | 1.367e-001 | 1.923e-001 | 1.275e-001 | 1.087e-001 | 9.417e-002 |
| 1 | 1.134e-001 | 1.106e-001 | 1.492e-001 | 9.954e-002 | 9.417e-002 | 4.661e-002 |
| 2 | 5.346e-002 | 5.347e-002 | 6.658e-002 | 4.720e-002 | 4.661e-002 | 2.783e-002 |
| 3 | 3.129e-002 | 3.272e-002 | 3.557e-002 | 2.902e-002 | 2.783e-002 | 2.100e-002 |
| 4 | 2.175e-002 | 2.284e-002 | 2.445e-002 | 2.100e-002 | 1.872e-002 | |

Source: Channel Islands Thrust

Region: USGS 2008 California

Closest Distance: 15.80 km

Amplitude Units: Acceleration (g)

Magnitude: 7.30 Mw

Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 4.308e-001 | 5.994e-001 | 3.240e-001 | 3.334e-001 | 4.663e-001 | 5.507e-001 |
| 0.05 | 4.765e-001 | 6.100e-001 | 3.688e-001 | 3.765e-001 | 5.507e-001 | 7.213e-001 |
| 0.1 | 6.237e-001 | 7.336e-001 | 5.109e-001 | 5.291e-001 | 7.213e-001 | 9.059e-001 |
| 0.2 | 8.437e-001 | 1.076e+000 | 6.989e-001 | 6.940e-001 | 9.059e-001 | 9.925e-001 |
| 0.3 | 9.856e-001 | 1.367e+000 | 8.112e-001 | 7.722e-001 | 9.925e-001 | 9.389e-001 |
| 0.4 | 9.594e-001 | 1.377e+000 | 7.695e-001 | 7.518e-001 | 9.389e-001 | 8.662e-001 |
| 0.5 | 9.030e-001 | 1.273e+000 | 7.226e-001 | 7.499e-001 | 8.662e-001 | 7.036e-001 |
| 0.75 | 7.325e-001 | 9.988e-001 | 5.943e-001 | 6.334e-001 | 7.036e-001 | 5.934e-001 |
| 1 | 5.894e-001 | 7.950e-001 | 4.424e-001 | 5.267e-001 | 5.934e-001 | 3.057e-001 |
| 2 | 3.229e-001 | 4.599e-001 | 2.263e-001 | 2.998e-001 | 3.057e-001 | 1.858e-001 |
| 3 | 1.990e-001 | 2.564e-001 | 1.620e-001 | 1.920e-001 | 1.858e-001 | 1.303e-001 |
| 4 | 1.424e-001 | 1.654e-001 | 1.226e-001 | 1.513e-001 | 1.303e-001 | |

Fractile: 0.84

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 6.780e-001 | 8.995e-001 | 5.677e-001 | 5.232e-001 | 7.215e-001 |
| 0.05 | 7.584e-001 | 9.029e-001 | 6.625e-001 | 6.048e-001 | 8.635e-001 |
| 0.1 | 9.997e-001 | 1.089e+000 | 9.352e-001 | 8.723e-001 | 1.103e+000 |
| 0.2 | 1.357e+000 | 1.640e+000 | 1.264e+000 | 1.133e+000 | 1.389e+000 |
| 0.3 | 1.616e+000 | 2.148e+000 | 1.485e+000 | 1.274e+000 | 1.557e+000 |
| 0.4 | 1.597e+000 | 2.221e+000 | 1.402e+000 | 1.260e+000 | 1.507e+000 |
| 0.5 | 1.535e+000 | 2.105e+000 | 1.332e+000 | 1.281e+000 | 1.422e+000 |
| 0.75 | 1.299e+000 | 1.724e+000 | 1.131e+000 | 1.129e+000 | 1.214e+000 |
| 1 | 1.068e+000 | 1.401e+000 | 8.444e-001 | 9.610e-001 | 1.065e+000 |
| 2 | 6.286e-001 | 8.570e-001 | 4.669e-001 | 5.832e-001 | 6.071e-001 |
| 3 | 4.023e-001 | 4.943e-001 | 3.398e-001 | 3.837e-001 | 3.915e-001 |
| 4 | 2.964e-001 | 3.264e-001 | 2.629e-001 | 3.087e-001 | 2.878e-001 |

Source: Clamshell-Sawpit
 Region: USGS 2008 California
 Closest Distance: 105.67 km
 Amplitude Units: Acceleration (g)
 Magnitude: 6.70 Mw
 Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 4.682e-002 | 4.175e-002 | 6.104e-002 | 4.738e-002 | 3.712e-002 |
| 0.05 | 5.058e-002 | 4.358e-002 | 6.296e-002 | 5.402e-002 | 4.178e-002 |
| 0.1 | 6.867e-002 | 5.813e-002 | 8.266e-002 | 7.300e-002 | 6.087e-002 |
| 0.2 | 1.084e-001 | 9.897e-002 | 1.392e-001 | 1.058e-001 | 8.974e-002 |
| 0.3 | 1.264e-001 | 1.179e-001 | 1.678e-001 | 1.217e-001 | 9.837e-002 |
| 0.4 | 1.202e-001 | 1.140e-001 | 1.607e-001 | 1.128e-001 | 9.341e-002 |
| 0.5 | 1.121e-001 | 1.049e-001 | 1.534e-001 | 1.049e-001 | 8.536e-002 |
| 0.75 | 8.908e-002 | 8.454e-002 | 1.224e-001 | 8.086e-002 | 6.854e-002 |
| 1 | 7.054e-002 | 6.855e-002 | 9.361e-002 | 6.240e-002 | 5.761e-002 |
| 2 | 3.206e-002 | 3.353e-002 | 3.887e-002 | 2.897e-002 | 2.687e-002 |
| 3 | 1.861e-002 | 2.044e-002 | 2.077e-002 | 1.773e-002 | 1.551e-002 |
| 4 | 1.284e-002 | 1.424e-002 | 1.418e-002 | 1.279e-002 | 1.014e-002 |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 8.032e-002 | 7.266e-002 | 1.070e-001 | 7.888e-002 | 6.278e-002 |
| 0.05 | 8.934e-002 | 7.728e-002 | 1.131e-001 | 9.355e-002 | 7.342e-002 |

| | | | | | |
|------|------------|------------|------------|------------|------------|
| 0.1 | 1.236e-001 | 1.046e-001 | 1.513e-001 | 1.302e-001 | 1.084e-001 |
| 0.2 | 1.949e-001 | 1.805e-001 | 2.517e-001 | 1.867e-001 | 1.605e-001 |
| 0.3 | 2.288e-001 | 2.165e-001 | 3.072e-001 | 2.149e-001 | 1.765e-001 |
| 0.4 | 2.177e-001 | 2.102e-001 | 2.928e-001 | 1.993e-001 | 1.685e-001 |
| 0.5 | 2.048e-001 | 1.942e-001 | 2.827e-001 | 1.871e-001 | 1.551e-001 |
| 0.75 | 1.661e-001 | 1.570e-001 | 2.324e-001 | 1.479e-001 | 1.270e-001 |
| 1 | 1.324e-001 | 1.270e-001 | 1.781e-001 | 1.156e-001 | 1.088e-001 |
| 2 | 6.178e-002 | 6.145e-002 | 7.797e-002 | 5.491e-002 | 5.281e-002 |
| 3 | 3.602e-002 | 3.762e-002 | 4.145e-002 | 3.371e-002 | 3.130e-002 |
| 4 | 2.500e-002 | 2.626e-002 | 2.838e-002 | 2.436e-002 | 2.099e-002 |

Source: Cleghorn

Region: USGS 2008 California

Closest Distance: 160.64 km

Amplitude Units: Acceleration (g)

Magnitude: 6.80 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 2.715e-002 | 2.626e-002 | 2.938e-002 | 3.369e-002 | 1.927e-002 | |
| 0.05 | 2.840e-002 | 2.592e-002 | 2.991e-002 | 3.740e-002 | 2.036e-002 | |
| 0.1 | 3.688e-002 | 3.256e-002 | 3.820e-002 | 4.806e-002 | 2.872e-002 | |
| 0.2 | 6.151e-002 | 5.815e-002 | 6.811e-002 | 7.230e-002 | 4.749e-002 | |
| 0.3 | 7.662e-002 | 7.559e-002 | 8.637e-002 | 8.749e-002 | 5.705e-002 | |
| 0.4 | 7.673e-002 | 7.693e-002 | 9.040e-002 | 8.194e-002 | 5.763e-002 | |
| 0.5 | 7.397e-002 | 7.359e-002 | 8.982e-002 | 7.753e-002 | 5.495e-002 | |
| 0.75 | 6.214e-002 | 6.399e-002 | 7.574e-002 | 6.164e-002 | 4.718e-002 | |
| 1 | 5.138e-002 | 5.233e-002 | 6.329e-002 | 4.806e-002 | 4.183e-002 | |
| 2 | 2.643e-002 | 2.599e-002 | 3.304e-002 | 2.285e-002 | 2.383e-002 | |
| 3 | 1.592e-002 | 1.597e-002 | 1.896e-002 | 1.411e-002 | 1.463e-002 | |
| 4 | 1.127e-002 | 1.119e-002 | 1.390e-002 | 1.024e-002 | 9.744e-003 | |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 4.648e-002 | 4.552e-002 | 5.148e-002 | 5.630e-002 | 3.261e-002 | |
| 0.05 | 5.014e-002 | 4.585e-002 | 5.372e-002 | 6.512e-002 | 3.585e-002 | |
| 0.1 | 6.652e-002 | 5.850e-002 | 6.992e-002 | 8.623e-002 | 5.144e-002 | |
| 0.2 | 1.107e-001 | 1.058e-001 | 1.232e-001 | 1.282e-001 | 8.552e-002 | |
| 0.3 | 1.386e-001 | 1.385e-001 | 1.581e-001 | 1.550e-001 | 1.030e-001 | |
| 0.4 | 1.389e-001 | 1.414e-001 | 1.647e-001 | 1.452e-001 | 1.044e-001 | |
| 0.5 | 1.351e-001 | 1.358e-001 | 1.656e-001 | 1.387e-001 | 1.003e-001 | |
| 0.75 | 1.157e-001 | 1.185e-001 | 1.438e-001 | 1.129e-001 | 8.761e-002 | |

| | | | | | |
|---|------------|------------|------------|------------|------------|
| 1 | 9.633e-002 | 9.674e-002 | 1.204e-001 | 8.908e-002 | 7.908e-002 |
| 2 | 5.098e-002 | 4.754e-002 | 6.628e-002 | 4.330e-002 | 4.681e-002 |
| 3 | 3.088e-002 | 2.936e-002 | 3.784e-002 | 2.684e-002 | 2.949e-002 |
| 4 | 2.203e-002 | 2.063e-002 | 2.784e-002 | 1.950e-002 | 2.014e-002 |

Source: Coronado Bank
 Region: USGS 2008 California
 Closest Distance: 158.77 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.40 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 4.396e-002 | 4.907e-002 | 4.340e-002 | 4.723e-002 | 3.612e-002 | |
| 0.05 | 4.589e-002 | 4.721e-002 | 4.583e-002 | 5.193e-002 | 3.859e-002 | |
| 0.1 | 5.802e-002 | 5.805e-002 | 5.510e-002 | 6.432e-002 | 5.463e-002 | |
| 0.2 | 9.343e-002 | 1.082e-001 | 7.946e-002 | 9.764e-002 | 8.846e-002 | |
| 0.3 | 1.184e-001 | 1.475e-001 | 9.965e-002 | 1.214e-001 | 1.049e-001 | |
| 0.4 | 1.206e-001 | 1.545e-001 | 1.066e-001 | 1.159e-001 | 1.055e-001 | |
| 0.5 | 1.194e-001 | 1.510e-001 | 1.099e-001 | 1.163e-001 | 1.006e-001 | |
| 0.75 | 1.073e-001 | 1.364e-001 | 1.027e-001 | 1.028e-001 | 8.724e-002 | |
| 1 | 9.254e-002 | 1.147e-001 | 9.050e-002 | 8.643e-002 | 7.855e-002 | |
| 2 | 5.268e-002 | 6.154e-002 | 5.326e-002 | 4.873e-002 | 4.720e-002 | |
| 3 | 3.426e-002 | 3.944e-002 | 3.584e-002 | 3.171e-002 | 3.004e-002 | |
| 4 | 2.450e-002 | 2.846e-002 | 2.538e-002 | 2.360e-002 | 2.056e-002 | |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 7.433e-002 | 8.285e-002 | 7.604e-002 | 7.864e-002 | 5.978e-002 | |
| 0.05 | 7.987e-002 | 8.080e-002 | 8.232e-002 | 8.994e-002 | 6.643e-002 | |
| 0.1 | 1.030e-001 | 1.007e-001 | 1.009e-001 | 1.147e-001 | 9.550e-002 | |
| 0.2 | 1.656e-001 | 1.911e-001 | 1.437e-001 | 1.723e-001 | 1.554e-001 | |
| 0.3 | 2.114e-001 | 2.638e-001 | 1.824e-001 | 2.143e-001 | 1.850e-001 | |
| 0.4 | 2.161e-001 | 2.782e-001 | 1.943e-001 | 2.049e-001 | 1.870e-001 | |
| 0.5 | 2.159e-001 | 2.738e-001 | 2.025e-001 | 2.076e-001 | 1.799e-001 | |
| 0.75 | 1.980e-001 | 2.493e-001 | 1.951e-001 | 1.881e-001 | 1.594e-001 | |
| 1 | 1.722e-001 | 2.100e-001 | 1.722e-001 | 1.601e-001 | 1.466e-001 | |
| 2 | 1.008e-001 | 1.120e-001 | 1.068e-001 | 9.235e-002 | 9.216e-002 | |
| 3 | 6.614e-002 | 7.237e-002 | 7.154e-002 | 6.029e-002 | 6.036e-002 | |
| 4 | 4.765e-002 | 5.243e-002 | 5.082e-002 | 4.495e-002 | 4.241e-002 | |

Source: Cucamonga
 Region: USGS 2008 California
 Closest Distance: 133.36 km
 Amplitude Units: Acceleration (g)
 Magnitude: 6.70 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 3.372e-002 | 3.061e-002 | 4.004e-002 | 3.802e-002 | 2.622e-002 | |
| 0.05 | 3.586e-002 | 3.112e-002 | 4.100e-002 | 4.276e-002 | 2.856e-002 | |
| 0.1 | 4.777e-002 | 4.035e-002 | 5.338e-002 | 5.640e-002 | 4.093e-002 | |
| 0.2 | 7.828e-002 | 7.130e-002 | 9.449e-002 | 8.336e-002 | 6.398e-002 | |
| 0.3 | 9.525e-002 | 8.919e-002 | 1.200e-001 | 9.836e-002 | 7.344e-002 | |
| 0.4 | 9.257e-002 | 8.883e-002 | 1.180e-001 | 9.149e-002 | 7.192e-002 | |
| 0.5 | 8.781e-002 | 8.360e-002 | 1.151e-001 | 8.543e-002 | 6.709e-002 | |
| 0.75 | 7.170e-002 | 7.002e-002 | 9.495e-002 | 6.633e-002 | 5.548e-002 | |
| 1 | 5.732e-002 | 5.686e-002 | 7.389e-002 | 5.112e-002 | 4.742e-002 | |
| 2 | 2.643e-002 | 2.780e-002 | 3.150e-002 | 2.367e-002 | 2.273e-002 | |
| 3 | 1.541e-002 | 1.693e-002 | 1.694e-002 | 1.450e-002 | 1.325e-002 | |
| 4 | 1.065e-002 | 1.180e-002 | 1.162e-002 | 1.047e-002 | 8.697e-003 | |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 5.791e-002 | 5.350e-002 | 7.016e-002 | 6.345e-002 | 4.455e-002 | |
| 0.05 | 6.349e-002 | 5.552e-002 | 7.365e-002 | 7.432e-002 | 5.047e-002 | |
| 0.1 | 8.633e-002 | 7.313e-002 | 9.772e-002 | 1.010e-001 | 7.346e-002 | |
| 0.2 | 1.412e-001 | 1.308e-001 | 1.709e-001 | 1.476e-001 | 1.153e-001 | |
| 0.3 | 1.727e-001 | 1.645e-001 | 2.197e-001 | 1.741e-001 | 1.327e-001 | |
| 0.4 | 1.679e-001 | 1.643e-001 | 2.150e-001 | 1.620e-001 | 1.304e-001 | |
| 0.5 | 1.606e-001 | 1.551e-001 | 2.122e-001 | 1.527e-001 | 1.225e-001 | |
| 0.75 | 1.338e-001 | 1.302e-001 | 1.803e-001 | 1.214e-001 | 1.031e-001 | |
| 1 | 1.076e-001 | 1.055e-001 | 1.406e-001 | 9.472e-002 | 8.973e-002 | |
| 2 | 5.093e-002 | 5.095e-002 | 6.318e-002 | 4.487e-002 | 4.471e-002 | |
| 3 | 2.983e-002 | 3.117e-002 | 3.381e-002 | 2.757e-002 | 2.675e-002 | |
| 4 | 2.074e-002 | 2.176e-002 | 2.327e-002 | 1.994e-002 | 1.800e-002 | |

Source: Elysian Park (Upper)
 Region: USGS 2008 California
 Closest Distance: 84.83 km
 Amplitude Units: Acceleration (g)
 Magnitude: 6.70 Mw

Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 7.055e-002 | 6.744e-002 | 8.328e-002 | 7.497e-002 | 5.652e-002 |
| 0.05 | 7.700e-002 | 7.100e-002 | 8.646e-002 | 8.567e-002 | 6.488e-002 |
| 0.1 | 1.055e-001 | 9.525e-002 | 1.144e-001 | 1.178e-001 | 9.478e-002 |
| 0.2 | 1.616e-001 | 1.588e-001 | 1.861e-001 | 1.684e-001 | 1.332e-001 |
| 0.3 | 1.837e-001 | 1.863e-001 | 2.166e-001 | 1.907e-001 | 1.411e-001 |
| 0.4 | 1.720e-001 | 1.761e-001 | 2.040e-001 | 1.770e-001 | 1.310e-001 |
| 0.5 | 1.577e-001 | 1.567e-001 | 1.918e-001 | 1.645e-001 | 1.177e-001 |
| 0.75 | 1.218e-001 | 1.189e-001 | 1.497e-001 | 1.266e-001 | 9.182e-002 |
| 1 | 9.438e-002 | 9.293e-002 | 1.132e-001 | 9.568e-002 | 7.566e-002 |
| 2 | 3.992e-002 | 4.177e-002 | 4.622e-002 | 3.826e-002 | 3.344e-002 |
| 3 | 2.220e-002 | 2.419e-002 | 2.459e-002 | 2.139e-002 | 1.865e-002 |
| 4 | 1.508e-002 | 1.623e-002 | 1.671e-002 | 1.545e-002 | 1.195e-002 |

Fractile: 0.84

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.203e-001 | 1.163e-001 | 1.459e-001 | 1.239e-001 | 9.491e-002 |
| 0.05 | 1.348e-001 | 1.242e-001 | 1.553e-001 | 1.469e-001 | 1.130e-001 |
| 0.1 | 1.881e-001 | 1.689e-001 | 2.094e-001 | 2.077e-001 | 1.666e-001 |
| 0.2 | 2.881e-001 | 2.861e-001 | 3.366e-001 | 2.944e-001 | 2.351e-001 |
| 0.3 | 3.300e-001 | 3.391e-001 | 3.965e-001 | 3.340e-001 | 2.504e-001 |
| 0.4 | 3.097e-001 | 3.223e-001 | 3.716e-001 | 3.110e-001 | 2.340e-001 |
| 0.5 | 2.866e-001 | 2.885e-001 | 3.535e-001 | 2.922e-001 | 2.122e-001 |
| 0.75 | 2.261e-001 | 2.201e-001 | 2.843e-001 | 2.309e-001 | 1.692e-001 |
| 1 | 1.766e-001 | 1.718e-001 | 2.155e-001 | 1.769e-001 | 1.423e-001 |
| 2 | 7.685e-002 | 7.653e-002 | 9.271e-002 | 7.249e-002 | 6.567e-002 |
| 3 | 4.297e-002 | 4.453e-002 | 4.907e-002 | 4.067e-002 | 3.762e-002 |
| 4 | 2.938e-002 | 2.994e-002 | 3.345e-002 | 2.942e-002 | 2.472e-002 |

Source: Gravel Hills-Harper Lk
 Region: USGS 2008 California
 Closest Distance: 197.43 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.10 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 2.480e-002 | 2.665e-002 | 2.148e-002 | 3.317e-002 | 1.789e-002 |
| 0.05 | 2.543e-002 | 2.520e-002 | 2.215e-002 | 3.617e-002 | 1.820e-002 |
| 0.1 | 3.178e-002 | 3.017e-002 | 2.720e-002 | 4.460e-002 | 2.514e-002 |
| 0.2 | 5.426e-002 | 5.741e-002 | 4.648e-002 | 6.865e-002 | 4.449e-002 |
| 0.3 | 7.176e-002 | 8.142e-002 | 6.283e-002 | 8.622e-002 | 5.657e-002 |
| 0.4 | 7.451e-002 | 8.741e-002 | 6.930e-002 | 8.187e-002 | 5.946e-002 |
| 0.5 | 7.447e-002 | 8.710e-002 | 7.237e-002 | 8.009e-002 | 5.833e-002 |
| 0.75 | 6.719e-002 | 8.135e-002 | 6.735e-002 | 6.760e-002 | 5.246e-002 |
| 1 | 5.742e-002 | 6.764e-002 | 5.937e-002 | 5.467e-002 | 4.799e-002 |
| 2 | 3.165e-002 | 3.503e-002 | 3.416e-002 | 2.823e-002 | 2.919e-002 |
| 3 | 1.994e-002 | 2.201e-002 | 2.138e-002 | 1.789e-002 | 1.849e-002 |
| 4 | 1.420e-002 | 1.568e-002 | 1.543e-002 | 1.314e-002 | 1.256e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 4.206e-002 | 4.534e-002 | 3.764e-002 | 5.543e-002 | 2.983e-002 |
| 0.05 | 4.450e-002 | 4.360e-002 | 3.979e-002 | 6.299e-002 | 3.160e-002 |
| 0.1 | 5.682e-002 | 5.299e-002 | 4.980e-002 | 8.004e-002 | 4.446e-002 |
| 0.2 | 9.688e-002 | 1.024e-001 | 8.407e-002 | 1.218e-001 | 7.920e-002 |
| 0.3 | 1.289e-001 | 1.467e-001 | 1.150e-001 | 1.528e-001 | 1.010e-001 |
| 0.4 | 1.341e-001 | 1.583e-001 | 1.262e-001 | 1.451e-001 | 1.067e-001 |
| 0.5 | 1.352e-001 | 1.587e-001 | 1.334e-001 | 1.432e-001 | 1.054e-001 |
| 0.75 | 1.244e-001 | 1.492e-001 | 1.279e-001 | 1.238e-001 | 9.666e-002 |
| 1 | 1.071e-001 | 1.241e-001 | 1.130e-001 | 1.013e-001 | 9.015e-002 |
| 2 | 6.074e-002 | 6.378e-002 | 6.853e-002 | 5.350e-002 | 5.714e-002 |
| 3 | 3.856e-002 | 4.039e-002 | 4.268e-002 | 3.401e-002 | 3.718e-002 |
| 4 | 2.768e-002 | 2.888e-002 | 3.090e-002 | 2.503e-002 | 2.591e-002 |

Source: Great Valley 14 (Kettleman Hills)

Region: USGS 2008 California

Closest Distance: 191.45 km

Amplitude Units: Acceleration (g)

Magnitude: 7.20 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 4.243e-002 | 6.246e-002 | 2.505e-002 | 4.727e-002 | 3.493e-002 |
| 0.05 | 4.276e-002 | 5.821e-002 | 2.590e-002 | 5.124e-002 | 3.568e-002 |
| 0.1 | 5.312e-002 | 6.931e-002 | 3.158e-002 | 6.280e-002 | 4.880e-002 |

| | | | | | |
|------|------------|------------|------------|------------|------------|
| 0.2 | 9.261e-002 | 1.373e-001 | 5.303e-002 | 9.689e-002 | 8.325e-002 |
| 0.3 | 1.250e-001 | 2.000e-001 | 7.441e-002 | 1.224e-001 | 1.031e-001 |
| 0.4 | 1.280e-001 | 2.088e-001 | 8.016e-002 | 1.169e-001 | 1.064e-001 |
| 0.5 | 1.245e-001 | 1.951e-001 | 8.458e-002 | 1.156e-001 | 1.027e-001 |
| 0.75 | 1.074e-001 | 1.601e-001 | 8.119e-002 | 9.949e-002 | 8.880e-002 |
| 1 | 8.684e-002 | 1.213e-001 | 6.867e-002 | 7.959e-002 | 7.780e-002 |
| 2 | 3.950e-002 | 5.039e-002 | 3.401e-002 | 3.613e-002 | 3.747e-002 |
| 3 | 2.265e-002 | 2.771e-002 | 2.076e-002 | 2.102e-002 | 2.111e-002 |
| 4 | 1.529e-002 | 1.793e-002 | 1.414e-002 | 1.550e-002 | 1.358e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 7.136e-002 | 1.050e-001 | 4.389e-002 | 7.870e-002 | 5.784e-002 | |
| 0.05 | 7.394e-002 | 9.900e-002 | 4.653e-002 | 8.875e-002 | 6.149e-002 | |
| 0.1 | 9.368e-002 | 1.194e-001 | 5.780e-002 | 1.120e-001 | 8.550e-002 | |
| 0.2 | 1.636e-001 | 2.411e-001 | 9.592e-002 | 1.710e-001 | 1.464e-001 | |
| 0.3 | 2.225e-001 | 3.561e-001 | 1.362e-001 | 2.159e-001 | 1.818e-001 | |
| 0.4 | 2.289e-001 | 3.747e-001 | 1.460e-001 | 2.065e-001 | 1.885e-001 | |
| 0.5 | 2.246e-001 | 3.528e-001 | 1.559e-001 | 2.062e-001 | 1.835e-001 | |
| 0.75 | 1.977e-001 | 2.923e-001 | 1.542e-001 | 1.819e-001 | 1.622e-001 | |
| 1 | 1.613e-001 | 2.220e-001 | 1.307e-001 | 1.474e-001 | 1.452e-001 | |
| 2 | 7.542e-002 | 9.173e-002 | 6.822e-002 | 6.847e-002 | 7.326e-002 | |
| 3 | 4.368e-002 | 5.085e-002 | 4.145e-002 | 3.997e-002 | 4.245e-002 | |
| 4 | 2.972e-002 | 3.303e-002 | 2.831e-002 | 2.953e-002 | 2.801e-002 | |

Source: Helendale-So Lockhart

Region: USGS 2008 California

Closest Distance: 177.45 km

Amplitude Units: Acceleration (g)

Magnitude: 7.40 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 3.731e-002 | 4.246e-002 | 3.380e-002 | 4.312e-002 | 2.987e-002 | |
| 0.05 | 3.855e-002 | 4.026e-002 | 3.561e-002 | 4.710e-002 | 3.125e-002 | |
| 0.1 | 4.816e-002 | 4.862e-002 | 4.258e-002 | 5.765e-002 | 4.378e-002 | |
| 0.2 | 7.941e-002 | 9.246e-002 | 6.319e-002 | 8.835e-002 | 7.364e-002 | |
| 0.3 | 1.033e-001 | 1.299e-001 | 8.195e-002 | 1.112e-001 | 9.003e-002 | |
| 0.4 | 1.067e-001 | 1.386e-001 | 8.957e-002 | 1.064e-001 | 9.232e-002 | |
| 0.5 | 1.069e-001 | 1.375e-001 | 9.378e-002 | 1.070e-001 | 8.920e-002 | |
| 0.75 | 9.770e-002 | 1.273e-001 | 8.979e-002 | 9.492e-002 | 7.883e-002 | |
| 1 | 8.470e-002 | 1.071e-001 | 8.024e-002 | 7.973e-002 | 7.173e-002 | |

| | | | | | |
|---|------------|------------|------------|------------|------------|
| 2 | 4.856e-002 | 5.743e-002 | 4.808e-002 | 4.488e-002 | 4.382e-002 |
| 3 | 3.162e-002 | 3.680e-002 | 3.245e-002 | 2.919e-002 | 2.803e-002 |
| 4 | 2.262e-002 | 2.655e-002 | 2.297e-002 | 2.173e-002 | 1.922e-002 |

Fractile: 0.84

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 6.312e-002 | 7.184e-002 | 5.922e-002 | 7.188e-002 | 4.956e-002 |
| 0.05 | 6.718e-002 | 6.912e-002 | 6.396e-002 | 8.170e-002 | 5.396e-002 |
| 0.1 | 8.561e-002 | 8.464e-002 | 7.794e-002 | 1.030e-001 | 7.685e-002 |
| 0.2 | 1.411e-001 | 1.638e-001 | 1.143e-001 | 1.562e-001 | 1.299e-001 |
| 0.3 | 1.847e-001 | 2.329e-001 | 1.500e-001 | 1.965e-001 | 1.593e-001 |
| 0.4 | 1.914e-001 | 2.501e-001 | 1.631e-001 | 1.883e-001 | 1.642e-001 |
| 0.5 | 1.934e-001 | 2.496e-001 | 1.729e-001 | 1.910e-001 | 1.599e-001 |
| 0.75 | 1.804e-001 | 2.329e-001 | 1.705e-001 | 1.736e-001 | 1.443e-001 |
| 1 | 1.577e-001 | 1.963e-001 | 1.527e-001 | 1.477e-001 | 1.340e-001 |
| 2 | 9.292e-002 | 1.046e-001 | 9.644e-002 | 8.506e-002 | 8.561e-002 |
| 3 | 6.103e-002 | 6.752e-002 | 6.477e-002 | 5.551e-002 | 5.633e-002 |
| 4 | 4.399e-002 | 4.892e-002 | 4.599e-002 | 4.139e-002 | 3.965e-002 |

Source: Hollywood
 Region: USGS 2008 California
 Closest Distance: 73.56 km
 Amplitude Units: Acceleration (g)
 Magnitude: 6.70 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 7.075e-002 | 5.963e-002 | 1.030e-001 | 6.658e-002 | 5.382e-002 |
| 0.05 | 7.800e-002 | 6.376e-002 | 1.080e-001 | 7.731e-002 | 6.292e-002 |
| 0.1 | 1.078e-001 | 8.609e-002 | 1.435e-001 | 1.083e-001 | 9.326e-002 |
| 0.2 | 1.599e-001 | 1.367e-001 | 2.214e-001 | 1.524e-001 | 1.290e-001 |
| 0.3 | 1.746e-001 | 1.554e-001 | 2.393e-001 | 1.691e-001 | 1.347e-001 |
| 0.4 | 1.635e-001 | 1.467e-001 | 2.278e-001 | 1.559e-001 | 1.238e-001 |
| 0.5 | 1.494e-001 | 1.325e-001 | 2.102e-001 | 1.442e-001 | 1.107e-001 |
| 0.75 | 1.149e-001 | 1.046e-001 | 1.585e-001 | 1.101e-001 | 8.654e-002 |
| 1 | 9.176e-002 | 8.459e-002 | 1.247e-001 | 8.520e-002 | 7.257e-002 |
| 2 | 4.449e-002 | 4.142e-002 | 5.929e-002 | 3.977e-002 | 3.746e-002 |
| 3 | 2.618e-002 | 2.527e-002 | 3.307e-002 | 2.427e-002 | 2.210e-002 |
| 4 | 1.828e-002 | 1.760e-002 | 2.359e-002 | 1.746e-002 | 1.445e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 1.211e-001 | 1.031e-001 | 1.804e-001 | 1.103e-001 | 9.046e-002 | |
| 0.05 | 1.371e-001 | 1.120e-001 | 1.940e-001 | 1.329e-001 | 1.096e-001 | |
| 0.1 | 1.929e-001 | 1.533e-001 | 2.627e-001 | 1.916e-001 | 1.640e-001 | |
| 0.2 | 2.857e-001 | 2.472e-001 | 4.005e-001 | 2.671e-001 | 2.281e-001 | |
| 0.3 | 3.145e-001 | 2.837e-001 | 4.380e-001 | 2.968e-001 | 2.394e-001 | |
| 0.4 | 2.950e-001 | 2.691e-001 | 4.149e-001 | 2.744e-001 | 2.216e-001 | |
| 0.5 | 2.721e-001 | 2.443e-001 | 3.875e-001 | 2.565e-001 | 2.000e-001 | |
| 0.75 | 2.138e-001 | 1.937e-001 | 3.010e-001 | 2.010e-001 | 1.596e-001 | |
| 1 | 1.720e-001 | 1.565e-001 | 2.372e-001 | 1.576e-001 | 1.366e-001 | |
| 2 | 8.593e-002 | 7.589e-002 | 1.189e-001 | 7.535e-002 | 7.353e-002 | |
| 3 | 5.081e-002 | 4.652e-002 | 6.601e-002 | 4.615e-002 | 4.457e-002 | |
| 4 | 3.571e-002 | 3.247e-002 | 4.722e-002 | 3.325e-002 | 2.991e-002 | |

Source: Holser, alt 1
 Region: USGS 2008 California
 Closest Distance: 46.64 km
 Amplitude Units: Acceleration (g)
 Magnitude: 6.80 Mw
 Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 1.182e-001 | 9.747e-002 | 1.635e-001 | 1.046e-001 | 1.073e-001 | |
| 0.05 | 1.328e-001 | 1.059e-001 | 1.730e-001 | 1.233e-001 | 1.288e-001 | |
| 0.1 | 1.862e-001 | 1.432e-001 | 2.327e-001 | 1.782e-001 | 1.905e-001 | |
| 0.2 | 2.687e-001 | 2.267e-001 | 3.540e-001 | 2.431e-001 | 2.511e-001 | |
| 0.3 | 2.953e-001 | 2.632e-001 | 3.953e-001 | 2.641e-001 | 2.586e-001 | |
| 0.4 | 2.740e-001 | 2.508e-001 | 3.688e-001 | 2.429e-001 | 2.334e-001 | |
| 0.5 | 2.502e-001 | 2.284e-001 | 3.406e-001 | 2.253e-001 | 2.065e-001 | |
| 0.75 | 1.914e-001 | 1.795e-001 | 2.578e-001 | 1.711e-001 | 1.569e-001 | |
| 1 | 1.491e-001 | 1.443e-001 | 1.909e-001 | 1.333e-001 | 1.278e-001 | |
| 2 | 6.866e-002 | 7.294e-002 | 7.822e-002 | 6.532e-002 | 5.817e-002 | |
| 3 | 4.091e-002 | 4.602e-002 | 4.292e-002 | 4.092e-002 | 3.376e-002 | |
| 4 | 2.880e-002 | 3.289e-002 | 2.992e-002 | 2.998e-002 | 2.242e-002 | |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.997e-001 | 1.649e-001 | 2.864e-001 | 1.716e-001 | 1.760e-001 |
| 0.05 | 2.297e-001 | 1.808e-001 | 3.108e-001 | 2.091e-001 | 2.179e-001 |
| 0.1 | 3.266e-001 | 2.473e-001 | 4.259e-001 | 3.109e-001 | 3.224e-001 |
| 0.2 | 4.719e-001 | 3.993e-001 | 6.404e-001 | 4.206e-001 | 4.272e-001 |
| 0.3 | 5.244e-001 | 4.705e-001 | 7.236e-001 | 4.588e-001 | 4.448e-001 |
| 0.4 | 4.886e-001 | 4.522e-001 | 6.718e-001 | 4.242e-001 | 4.062e-001 |
| 0.5 | 4.513e-001 | 4.150e-001 | 6.278e-001 | 3.983e-001 | 3.639e-001 |
| 0.75 | 3.539e-001 | 3.296e-001 | 4.901e-001 | 3.113e-001 | 2.848e-001 |
| 1 | 2.783e-001 | 2.655e-001 | 3.636e-001 | 2.463e-001 | 2.377e-001 |
| 2 | 1.336e-001 | 1.350e-001 | 1.589e-001 | 1.253e-001 | 1.152e-001 |
| 3 | 8.079e-002 | 8.652e-002 | 8.758e-002 | 7.956e-002 | 6.951e-002 |
| 4 | 5.773e-002 | 6.251e-002 | 6.175e-002 | 5.887e-002 | 4.778e-002 |

Source: Hosgri

Region: USGS 2008 California

Closest Distance: 156.83 km

Amplitude Units: Acceleration (g)

Magnitude: 7.30 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 4.147e-002 | 4.517e-002 | 4.202e-002 | 4.521e-002 | 3.349e-002 |
| 0.05 | 4.338e-002 | 4.372e-002 | 4.412e-002 | 4.984e-002 | 3.582e-002 |
| 0.1 | 5.516e-002 | 5.405e-002 | 5.362e-002 | 6.221e-002 | 5.077e-002 |
| 0.2 | 8.898e-002 | 9.986e-002 | 7.979e-002 | 9.418e-002 | 8.207e-002 |
| 0.3 | 1.120e-001 | 1.347e-001 | 9.983e-002 | 1.164e-001 | 9.716e-002 |
| 0.4 | 1.136e-001 | 1.402e-001 | 1.062e-001 | 1.107e-001 | 9.747e-002 |
| 0.5 | 1.119e-001 | 1.363e-001 | 1.085e-001 | 1.100e-001 | 9.277e-002 |
| 0.75 | 9.928e-002 | 1.221e-001 | 9.940e-002 | 9.548e-002 | 8.015e-002 |
| 1 | 8.502e-002 | 1.023e-001 | 8.665e-002 | 7.926e-002 | 7.192e-002 |
| 2 | 4.760e-002 | 5.427e-002 | 4.987e-002 | 4.343e-002 | 4.280e-002 |
| 3 | 3.059e-002 | 3.458e-002 | 3.267e-002 | 2.801e-002 | 2.709e-002 |
| 4 | 2.184e-002 | 2.486e-002 | 2.327e-002 | 2.076e-002 | 1.847e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 7.020e-002 | 7.637e-002 | 7.362e-002 | 7.531e-002 | 5.550e-002 |
| 0.05 | 7.558e-002 | 7.497e-002 | 7.924e-002 | 8.639e-002 | 6.174e-002 |
| 0.1 | 9.802e-002 | 9.396e-002 | 9.815e-002 | 1.111e-001 | 8.889e-002 |
| 0.2 | 1.580e-001 | 1.767e-001 | 1.443e-001 | 1.663e-001 | 1.444e-001 |
| 0.3 | 2.003e-001 | 2.412e-001 | 1.827e-001 | 2.055e-001 | 1.716e-001 |

| | | | | | |
|------|------------|------------|------------|------------|------------|
| 0.4 | 2.037e-001 | 2.527e-001 | 1.934e-001 | 1.958e-001 | 1.731e-001 |
| 0.5 | 2.025e-001 | 2.474e-001 | 2.000e-001 | 1.963e-001 | 1.662e-001 |
| 0.75 | 1.834e-001 | 2.234e-001 | 1.888e-001 | 1.746e-001 | 1.467e-001 |
| 1 | 1.584e-001 | 1.874e-001 | 1.649e-001 | 1.468e-001 | 1.344e-001 |
| 2 | 9.120e-002 | 9.882e-002 | 1.000e-001 | 8.231e-002 | 8.363e-002 |
| 3 | 5.909e-002 | 6.345e-002 | 6.521e-002 | 5.327e-002 | 5.444e-002 |
| 4 | 4.251e-002 | 4.579e-002 | 4.659e-002 | 3.954e-002 | 3.810e-002 |

Source: Lenwood-Lockhart-Old Woman Springs
 Region: USGS 2008 California
 Closest Distance: 171.45 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.50 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 4.247e-002 | 4.911e-002 | 3.893e-002 | 4.688e-002 | 3.496e-002 |
| 0.05 | 4.399e-002 | 4.657e-002 | 4.130e-002 | 5.121e-002 | 3.687e-002 |
| 0.1 | 5.492e-002 | 5.639e-002 | 4.896e-002 | 6.251e-002 | 5.183e-002 |
| 0.2 | 8.958e-002 | 1.072e-001 | 6.949e-002 | 9.570e-002 | 8.592e-002 |
| 0.3 | 1.159e-001 | 1.502e-001 | 8.903e-002 | 1.206e-001 | 1.039e-001 |
| 0.4 | 1.196e-001 | 1.600e-001 | 9.705e-002 | 1.157e-001 | 1.058e-001 |
| 0.5 | 1.199e-001 | 1.584e-001 | 1.017e-001 | 1.174e-001 | 1.018e-001 |
| 0.75 | 1.101e-001 | 1.463e-001 | 9.839e-002 | 1.059e-001 | 8.960e-002 |
| 1 | 9.586e-002 | 1.236e-001 | 8.834e-002 | 9.011e-002 | 8.142e-002 |
| 2 | 5.568e-002 | 6.696e-002 | 5.370e-002 | 5.222e-002 | 4.982e-002 |
| 3 | 3.663e-002 | 4.314e-002 | 3.718e-002 | 3.426e-002 | 3.196e-002 |
| 4 | 2.625e-002 | 3.124e-002 | 2.617e-002 | 2.561e-002 | 2.197e-002 |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 7.177e-002 | 8.291e-002 | 6.822e-002 | 7.806e-002 | 5.789e-002 |
| 0.05 | 7.653e-002 | 7.971e-002 | 7.419e-002 | 8.871e-002 | 6.351e-002 |
| 0.1 | 9.742e-002 | 9.781e-002 | 8.963e-002 | 1.115e-001 | 9.070e-002 |
| 0.2 | 1.587e-001 | 1.894e-001 | 1.257e-001 | 1.689e-001 | 1.510e-001 |
| 0.3 | 2.069e-001 | 2.687e-001 | 1.630e-001 | 2.128e-001 | 1.832e-001 |
| 0.4 | 2.143e-001 | 2.882e-001 | 1.768e-001 | 2.045e-001 | 1.875e-001 |
| 0.5 | 2.166e-001 | 2.873e-001 | 1.875e-001 | 2.095e-001 | 1.820e-001 |
| 0.75 | 2.029e-001 | 2.676e-001 | 1.869e-001 | 1.937e-001 | 1.637e-001 |
| 1 | 1.783e-001 | 2.263e-001 | 1.681e-001 | 1.669e-001 | 1.519e-001 |
| 2 | 1.065e-001 | 1.219e-001 | 1.077e-001 | 9.896e-002 | 9.726e-002 |
| 3 | 7.068e-002 | 7.915e-002 | 7.421e-002 | 6.515e-002 | 6.421e-002 |

4 5.101e-002 5.756e-002 5.238e-002 4.879e-002 4.531e-002

Source: Lions Head
 Region: USGS 2008 California
 Closest Distance: 108.00 km
 Amplitude Units: Acceleration (g)
 Magnitude: 6.80 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 4.881e-002 | 4.493e-002 | 6.236e-002 | 4.851e-002 | 3.944e-002 |
| 0.05 | 5.247e-002 | 4.653e-002 | 6.391e-002 | 5.515e-002 | 4.429e-002 |
| 0.1 | 7.073e-002 | 6.163e-002 | 8.297e-002 | 7.390e-002 | 6.440e-002 |
| 0.2 | 1.121e-001 | 1.062e-001 | 1.393e-001 | 1.075e-001 | 9.523e-002 |
| 0.3 | 1.317e-001 | 1.284e-001 | 1.691e-001 | 1.245e-001 | 1.048e-001 |
| 0.4 | 1.264e-001 | 1.253e-001 | 1.647e-001 | 1.158e-001 | 9.983e-002 |
| 0.5 | 1.187e-001 | 1.161e-001 | 1.585e-001 | 1.088e-001 | 9.150e-002 |
| 0.75 | 9.559e-002 | 9.463e-002 | 1.283e-001 | 8.542e-002 | 7.398e-002 |
| 1 | 7.639e-002 | 7.718e-002 | 9.904e-002 | 6.674e-002 | 6.258e-002 |
| 2 | 3.544e-002 | 3.837e-002 | 4.181e-002 | 3.190e-002 | 2.970e-002 |
| 3 | 2.080e-002 | 2.359e-002 | 2.256e-002 | 1.972e-002 | 1.734e-002 |
| 4 | 1.447e-002 | 1.653e-002 | 1.561e-002 | 1.431e-002 | 1.143e-002 |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 8.339e-002 | 7.739e-002 | 1.093e-001 | 8.074e-002 | 6.616e-002 |
| 0.05 | 9.224e-002 | 8.150e-002 | 1.148e-001 | 9.547e-002 | 7.718e-002 |
| 0.1 | 1.267e-001 | 1.095e-001 | 1.519e-001 | 1.318e-001 | 1.137e-001 |
| 0.2 | 2.006e-001 | 1.917e-001 | 2.520e-001 | 1.896e-001 | 1.690e-001 |
| 0.3 | 2.374e-001 | 2.337e-001 | 3.095e-001 | 2.197e-001 | 1.866e-001 |
| 0.4 | 2.281e-001 | 2.291e-001 | 3.000e-001 | 2.046e-001 | 1.789e-001 |
| 0.5 | 2.162e-001 | 2.133e-001 | 2.921e-001 | 1.941e-001 | 1.654e-001 |
| 0.75 | 1.778e-001 | 1.748e-001 | 2.437e-001 | 1.562e-001 | 1.364e-001 |
| 1 | 1.431e-001 | 1.425e-001 | 1.885e-001 | 1.236e-001 | 1.177e-001 |
| 2 | 6.819e-002 | 7.015e-002 | 8.387e-002 | 6.045e-002 | 5.827e-002 |
| 3 | 4.022e-002 | 4.338e-002 | 4.503e-002 | 3.751e-002 | 3.496e-002 |
| 4 | 2.815e-002 | 3.048e-002 | 3.125e-002 | 2.725e-002 | 2.363e-002 |

Source: Los Alamos-West Baseline
 Region: USGS 2008 California

Closest Distance: 90.81 km
 Amplitude Units: Acceleration (g)
 Magnitude: 6.90 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 6.440e-002 | 5.890e-002 | 8.538e-002 | 5.934e-002 | 5.398e-002 |
| 0.05 | 6.993e-002 | 6.149e-002 | 8.845e-002 | 6.796e-002 | 6.182e-002 |
| 0.1 | 9.477e-002 | 8.189e-002 | 1.145e-001 | 9.208e-002 | 9.057e-002 |
| 0.2 | 1.455e-001 | 1.394e-001 | 1.812e-001 | 1.322e-001 | 1.292e-001 |
| 0.3 | 1.675e-001 | 1.669e-001 | 2.134e-001 | 1.512e-001 | 1.385e-001 |
| 0.4 | 1.595e-001 | 1.621e-001 | 2.053e-001 | 1.407e-001 | 1.299e-001 |
| 0.5 | 1.492e-001 | 1.498e-001 | 1.960e-001 | 1.332e-001 | 1.179e-001 |
| 0.75 | 1.200e-001 | 1.215e-001 | 1.584e-001 | 1.059e-001 | 9.421e-002 |
| 1 | 9.617e-002 | 9.957e-002 | 1.219e-001 | 8.390e-002 | 7.932e-002 |
| 2 | 4.526e-002 | 5.029e-002 | 5.177e-002 | 4.140e-002 | 3.758e-002 |
| 3 | 2.692e-002 | 3.120e-002 | 2.863e-002 | 2.583e-002 | 2.203e-002 |
| 4 | 1.877e-002 | 2.199e-002 | 1.967e-002 | 1.882e-002 | 1.458e-002 |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.094e-001 | 1.000e-001 | 1.496e-001 | 9.848e-002 | 8.941e-002 |
| 0.05 | 1.220e-001 | 1.058e-001 | 1.589e-001 | 1.172e-001 | 1.062e-001 |
| 0.1 | 1.683e-001 | 1.428e-001 | 2.097e-001 | 1.634e-001 | 1.573e-001 |
| 0.2 | 2.583e-001 | 2.476e-001 | 3.278e-001 | 2.324e-001 | 2.256e-001 |
| 0.3 | 3.000e-001 | 2.998e-001 | 3.906e-001 | 2.660e-001 | 2.434e-001 |
| 0.4 | 2.863e-001 | 2.933e-001 | 3.740e-001 | 2.481e-001 | 2.300e-001 |
| 0.5 | 2.705e-001 | 2.727e-001 | 3.613e-001 | 2.371e-001 | 2.109e-001 |
| 0.75 | 2.224e-001 | 2.230e-001 | 3.008e-001 | 1.935e-001 | 1.724e-001 |
| 1 | 1.796e-001 | 1.829e-001 | 2.320e-001 | 1.552e-001 | 1.484e-001 |
| 2 | 8.690e-002 | 9.175e-002 | 1.038e-001 | 7.845e-002 | 7.357e-002 |
| 3 | 5.198e-002 | 5.731e-002 | 5.714e-002 | 4.912e-002 | 4.433e-002 |
| 4 | 3.647e-002 | 4.053e-002 | 3.938e-002 | 3.585e-002 | 3.011e-002 |

Source: Los Osos
 Region: USGS 2008 California
 Closest Distance: 147.44 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.00 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|---|------------|------------|------------|------------|------------|
| PGA | | 3.678e-002 | 3.635e-002 | 3.978e-002 | 4.062e-002 | 3.035e-002 |
| 0.05 | | 3.868e-002 | 3.595e-002 | 4.089e-002 | 4.519e-002 | 3.268e-002 |
| 0.1 | | 5.030e-002 | 4.538e-002 | 5.145e-002 | 5.787e-002 | 4.650e-002 |
| 0.2 | | 8.272e-002 | 8.369e-002 | 8.628e-002 | 8.670e-002 | 7.421e-002 |
| 0.3 | | 1.036e-001 | 1.104e-001 | 1.122e-001 | 1.049e-001 | 8.680e-002 |
| 0.4 | | 1.032e-001 | 1.135e-001 | 1.144e-001 | 9.872e-002 | 8.627e-002 |
| 0.5 | | 1.002e-001 | 1.095e-001 | 1.150e-001 | 9.509e-002 | 8.145e-002 |
| 0.75 | | 8.594e-002 | 9.568e-002 | 1.010e-001 | 7.812e-002 | 6.896e-002 |
| 1 | | 7.073e-002 | 7.901e-002 | 8.133e-002 | 6.247e-002 | 6.010e-002 |
| 2 | | 3.479e-002 | 4.039e-002 | 3.709e-002 | 3.145e-002 | 3.024e-002 |
| 3 | | 2.110e-002 | 2.522e-002 | 2.130e-002 | 1.976e-002 | 1.811e-002 |
| 4 | | 1.477e-002 | 1.787e-002 | 1.465e-002 | 1.445e-002 | 1.212e-002 |

Fractile: 0.84

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|---|------------|------------|------------|------------|------------|
| PGA | | 6.236e-002 | 6.163e-002 | 6.970e-002 | 6.776e-002 | 5.035e-002 |
| 0.05 | | 6.756e-002 | 6.191e-002 | 7.346e-002 | 7.847e-002 | 5.639e-002 |
| 0.1 | | 8.963e-002 | 7.926e-002 | 9.418e-002 | 1.035e-001 | 8.155e-002 |
| 0.2 | | 1.473e-001 | 1.487e-001 | 1.561e-001 | 1.534e-001 | 1.309e-001 |
| 0.3 | | 1.857e-001 | 1.983e-001 | 2.054e-001 | 1.855e-001 | 1.537e-001 |
| 0.4 | | 1.855e-001 | 2.051e-001 | 2.084e-001 | 1.747e-001 | 1.536e-001 |
| 0.5 | | 1.818e-001 | 1.990e-001 | 2.119e-001 | 1.699e-001 | 1.463e-001 |
| 0.75 | | 1.591e-001 | 1.752e-001 | 1.918e-001 | 1.429e-001 | 1.266e-001 |
| 1 | | 1.320e-001 | 1.449e-001 | 1.548e-001 | 1.157e-001 | 1.126e-001 |
| 2 | | 6.668e-002 | 7.355e-002 | 7.440e-002 | 5.961e-002 | 5.918e-002 |
| 3 | | 4.070e-002 | 4.627e-002 | 4.251e-002 | 3.758e-002 | 3.643e-002 |
| 4 | | 2.870e-002 | 3.292e-002 | 2.933e-002 | 2.753e-002 | 2.500e-002 |

Source: Mission Ridge-Arroyo Parida-Santa Ana
 Region: USGS 2008 California

Closest Distance: 22.91 km
 Amplitude Units: Acceleration (g)
 Magnitude: 6.90 Mw
 Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|--|---|---|---|---|---|---|
|--|---|---|---|---|---|---|

| | | | | | |
|------|------------|------------|------------|------------|------------|
| PGA | 2.106e-001 | 1.983e-001 | 2.360e-001 | 1.875e-001 | 2.207e-001 |
| 0.05 | 2.417e-001 | 2.194e-001 | 2.584e-001 | 2.230e-001 | 2.662e-001 |
| 0.1 | 3.403e-001 | 2.946e-001 | 3.552e-001 | 3.312e-001 | 3.803e-001 |
| 0.2 | 4.698e-001 | 4.411e-001 | 5.177e-001 | 4.342e-001 | 4.863e-001 |
| 0.3 | 5.183e-001 | 5.136e-001 | 5.835e-001 | 4.632e-001 | 5.130e-001 |
| 0.4 | 4.832e-001 | 4.896e-001 | 5.476e-001 | 4.288e-001 | 4.667e-001 |
| 0.5 | 4.425e-001 | 4.458e-001 | 5.063e-001 | 4.011e-001 | 4.168e-001 |
| 0.75 | 3.366e-001 | 3.441e-001 | 3.828e-001 | 3.018e-001 | 3.175e-001 |
| 1 | 2.621e-001 | 2.736e-001 | 2.794e-001 | 2.369e-001 | 2.585e-001 |
| 2 | 1.170e-001 | 1.318e-001 | 1.089e-001 | 1.143e-001 | 1.130e-001 |
| 3 | 6.743e-002 | 7.805e-002 | 5.898e-002 | 6.915e-002 | 6.352e-002 |
| 4 | 4.530e-002 | 5.263e-002 | 3.914e-002 | 4.870e-002 | 4.073e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 3.474e-001 | 3.225e-001 | 4.135e-001 | 3.019e-001 | 3.516e-001 | |
| 0.05 | 4.056e-001 | 3.557e-001 | 4.642e-001 | 3.692e-001 | 4.334e-001 | |
| 0.1 | 5.763e-001 | 4.809e-001 | 6.503e-001 | 5.630e-001 | 6.112e-001 | |
| 0.2 | 7.986e-001 | 7.397e-001 | 9.363e-001 | 7.326e-001 | 7.858e-001 | |
| 0.3 | 8.953e-001 | 8.824e-001 | 1.068e+000 | 7.878e-001 | 8.431e-001 | |
| 0.4 | 8.424e-001 | 8.547e-001 | 9.975e-001 | 7.367e-001 | 7.807e-001 | |
| 0.5 | 7.830e-001 | 7.890e-001 | 9.333e-001 | 6.998e-001 | 7.099e-001 | |
| 0.75 | 6.144e-001 | 6.215e-001 | 7.282e-001 | 5.452e-001 | 5.626e-001 | |
| 1 | 4.850e-001 | 4.979e-001 | 5.331e-001 | 4.360e-001 | 4.729e-001 | |
| 2 | 2.300e-001 | 2.470e-001 | 2.247e-001 | 2.225e-001 | 2.259e-001 | |
| 3 | 1.367e-001 | 1.507e-001 | 1.237e-001 | 1.382e-001 | 1.341e-001 | |
| 4 | 9.430e-002 | 1.039e-001 | 8.391e-002 | 9.935e-002 | 9.005e-002 | |

Source: North Channel

Region: USGS 2008 California

Closest Distance: 22.70 km

Amplitude Units: Acceleration (g)

Magnitude: 6.80 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 2.146e-001 | 1.920e-001 | 2.260e-001 | 2.265e-001 | 2.140e-001 | |
| 0.05 | 2.447e-001 | 2.118e-001 | 2.459e-001 | 2.641e-001 | 2.570e-001 | |
| 0.1 | 3.455e-001 | 2.860e-001 | 3.395e-001 | 3.896e-001 | 3.670e-001 | |
| 0.2 | 4.788e-001 | 4.265e-001 | 5.056e-001 | 5.139e-001 | 4.694e-001 | |
| 0.3 | 5.274e-001 | 4.935e-001 | 5.674e-001 | 5.538e-001 | 4.950e-001 | |
| 0.4 | 4.912e-001 | 4.658e-001 | 5.318e-001 | 5.173e-001 | 4.498e-001 | |

| | | | | | |
|------|------------|------------|------------|------------|------------|
| 0.5 | 4.481e-001 | 4.187e-001 | 4.896e-001 | 4.833e-001 | 4.008e-001 |
| 0.75 | 3.423e-001 | 3.215e-001 | 3.705e-001 | 3.682e-001 | 3.089e-001 |
| 1 | 2.662e-001 | 2.548e-001 | 2.728e-001 | 2.840e-001 | 2.530e-001 |
| 2 | 1.468e-001 | 1.550e-001 | 1.366e-001 | 1.529e-001 | 1.426e-001 |
| 3 | 1.036e-001 | 1.160e-001 | 9.063e-002 | 1.073e-001 | 1.005e-001 |
| 4 | 8.519e-002 | 9.581e-002 | 7.364e-002 | 9.298e-002 | 7.832e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 3.541e-001 | 3.153e-001 | 3.959e-001 | 3.619e-001 | 3.435e-001 | 3.435e-001 |
| 0.05 | 4.110e-001 | 3.471e-001 | 4.417e-001 | 4.330e-001 | 4.219e-001 | 4.219e-001 |
| 0.1 | 5.860e-001 | 4.720e-001 | 6.214e-001 | 6.557e-001 | 5.949e-001 | 5.949e-001 |
| 0.2 | 8.149e-001 | 7.224e-001 | 9.145e-001 | 8.581e-001 | 7.646e-001 | 7.646e-001 |
| 0.3 | 9.116e-001 | 8.551e-001 | 1.039e+000 | 9.335e-001 | 8.194e-001 | 8.194e-001 |
| 0.4 | 8.569e-001 | 8.194e-001 | 9.687e-001 | 8.824e-001 | 7.571e-001 | 7.571e-001 |
| 0.5 | 7.933e-001 | 7.459e-001 | 9.026e-001 | 8.381e-001 | 6.865e-001 | 6.865e-001 |
| 0.75 | 6.253e-001 | 5.838e-001 | 7.049e-001 | 6.627e-001 | 5.496e-001 | 5.496e-001 |
| 1 | 4.930e-001 | 4.655e-001 | 5.206e-001 | 5.215e-001 | 4.645e-001 | 4.645e-001 |
| 2 | 2.891e-001 | 2.910e-001 | 2.819e-001 | 2.978e-001 | 2.856e-001 | 2.856e-001 |
| 3 | 2.102e-001 | 2.241e-001 | 1.901e-001 | 2.144e-001 | 2.124e-001 | 2.124e-001 |
| 4 | 1.775e-001 | 1.892e-001 | 1.579e-001 | 1.897e-001 | 1.733e-001 | 1.733e-001 |

Source: North Frontal (West)

Region: USGS 2008 California

Closest Distance: 178.59 km

Amplitude Units: Acceleration (g)

Magnitude: 7.20 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 3.211e-002 | 3.427e-002 | 2.923e-002 | 3.833e-002 | 2.661e-002 | 2.661e-002 |
| 0.05 | 3.318e-002 | 3.274e-002 | 3.027e-002 | 4.199e-002 | 2.773e-002 | 2.773e-002 |
| 0.1 | 4.189e-002 | 3.978e-002 | 3.700e-002 | 5.202e-002 | 3.876e-002 | 3.876e-002 |
| 0.2 | 7.080e-002 | 7.710e-002 | 6.096e-002 | 7.950e-002 | 6.564e-002 | 6.564e-002 |
| 0.3 | 9.311e-002 | 1.089e-001 | 8.374e-002 | 9.918e-002 | 8.060e-002 | 8.060e-002 |
| 0.4 | 9.573e-002 | 1.167e-001 | 8.906e-002 | 9.430e-002 | 8.283e-002 | 8.283e-002 |
| 0.5 | 9.558e-002 | 1.162e-001 | 9.305e-002 | 9.297e-002 | 8.006e-002 | 8.006e-002 |
| 0.75 | 8.634e-002 | 1.074e-001 | 8.804e-002 | 7.961e-002 | 7.033e-002 | 7.033e-002 |
| 1 | 7.286e-002 | 8.962e-002 | 7.383e-002 | 6.522e-002 | 6.276e-002 | 6.276e-002 |
| 2 | 3.774e-002 | 4.699e-002 | 3.615e-002 | 3.468e-002 | 3.313e-002 | 3.313e-002 |
| 3 | 2.355e-002 | 2.974e-002 | 2.203e-002 | 2.217e-002 | 2.027e-002 | 2.027e-002 |
| 4 | 1.659e-002 | 2.128e-002 | 1.500e-002 | 1.636e-002 | 1.373e-002 | 1.373e-002 |

Fractile: 0.84

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 5.438e-002 | 5.814e-002 | 5.121e-002 | 6.396e-002 | 4.422e-002 | |
| 0.05 | 5.794e-002 | 5.644e-002 | 5.437e-002 | 7.298e-002 | 4.795e-002 | |
| 0.1 | 7.466e-002 | 6.957e-002 | 6.773e-002 | 9.315e-002 | 6.819e-002 | |
| 0.2 | 1.261e-001 | 1.371e-001 | 1.103e-001 | 1.408e-001 | 1.161e-001 | |
| 0.3 | 1.669e-001 | 1.957e-001 | 1.533e-001 | 1.755e-001 | 1.430e-001 | |
| 0.4 | 1.720e-001 | 2.111e-001 | 1.622e-001 | 1.670e-001 | 1.477e-001 | |
| 0.5 | 1.732e-001 | 2.114e-001 | 1.715e-001 | 1.661e-001 | 1.439e-001 | |
| 0.75 | 1.597e-001 | 1.967e-001 | 1.672e-001 | 1.457e-001 | 1.290e-001 | |
| 1 | 1.358e-001 | 1.644e-001 | 1.405e-001 | 1.208e-001 | 1.175e-001 | |
| 2 | 7.215e-002 | 8.556e-002 | 7.252e-002 | 6.573e-002 | 6.480e-002 | |
| 3 | 4.536e-002 | 5.457e-002 | 4.396e-002 | 4.216e-002 | 4.076e-002 | |
| 4 | 3.218e-002 | 3.921e-002 | 3.002e-002 | 3.117e-002 | 2.832e-002 | |

Source: Northridge

Region: USGS 2008 California

Closest Distance: 47.00 km

Amplitude Units: Acceleration (g)

Magnitude: 6.90 Mw

Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 1.618e-001 | 1.858e-001 | 1.679e-001 | 1.358e-001 | 1.579e-001 | |
| 0.05 | 1.789e-001 | 1.930e-001 | 1.787e-001 | 1.571e-001 | 1.868e-001 | |
| 0.1 | 2.460e-001 | 2.542e-001 | 2.384e-001 | 2.236e-001 | 2.679e-001 | |
| 0.2 | 3.559e-001 | 4.137e-001 | 3.535e-001 | 3.081e-001 | 3.485e-001 | |
| 0.3 | 3.986e-001 | 4.986e-001 | 3.958e-001 | 3.402e-001 | 3.598e-001 | |
| 0.4 | 3.700e-001 | 4.675e-001 | 3.701e-001 | 3.165e-001 | 3.259e-001 | |
| 0.5 | 3.335e-001 | 4.038e-001 | 3.436e-001 | 2.983e-001 | 2.883e-001 | |
| 0.75 | 2.509e-001 | 2.872e-001 | 2.654e-001 | 2.330e-001 | 2.179e-001 | |
| 1 | 1.921e-001 | 2.144e-001 | 1.979e-001 | 1.803e-001 | 1.756e-001 | |
| 2 | 8.374e-002 | 9.301e-002 | 8.500e-002 | 8.048e-002 | 7.648e-002 | |
| 3 | 4.811e-002 | 5.333e-002 | 4.906e-002 | 4.759e-002 | 4.247e-002 | |
| 4 | 3.343e-002 | 3.559e-002 | 3.479e-002 | 3.576e-002 | 2.758e-002 | |

Fractile: 0.84

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 2.682e-001 | 3.032e-001 | 2.942e-001 | 2.211e-001 | 2.542e-001 |
| 0.05 | 3.021e-001 | 3.145e-001 | 3.209e-001 | 2.640e-001 | 3.091e-001 |
| 0.1 | 4.202e-001 | 4.171e-001 | 4.364e-001 | 3.860e-001 | 4.412e-001 |
| 0.2 | 6.103e-001 | 6.971e-001 | 6.394e-001 | 5.277e-001 | 5.772e-001 |
| 0.3 | 6.937e-001 | 8.598e-001 | 7.245e-001 | 5.861e-001 | 6.042e-001 |
| 0.4 | 6.494e-001 | 8.186e-001 | 6.741e-001 | 5.494e-001 | 5.554e-001 |
| 0.5 | 5.935e-001 | 7.165e-001 | 6.335e-001 | 5.247e-001 | 4.992e-001 |
| 0.75 | 4.591e-001 | 5.190e-001 | 5.044e-001 | 4.226e-001 | 3.905e-001 |
| 1 | 3.558e-001 | 3.900e-001 | 3.771e-001 | 3.325e-001 | 3.238e-001 |
| 2 | 1.623e-001 | 1.716e-001 | 1.726e-001 | 1.543e-001 | 1.509e-001 |
| 3 | 9.497e-002 | 1.001e-001 | 1.001e-001 | 9.246e-002 | 8.725e-002 |
| 4 | 6.703e-002 | 6.756e-002 | 7.174e-002 | 7.017e-002 | 5.865e-002 |

Source: Oak Ridge (Offshore)
 Region: USGS 2008 California
 Closest Distance: 5.32 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.00 Mw
 Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 5.035e-001 | 6.499e-001 | 3.919e-001 | 4.187e-001 | 5.534e-001 |
| 0.05 | 5.703e-001 | 6.992e-001 | 4.545e-001 | 4.788e-001 | 6.488e-001 |
| 0.1 | 7.398e-001 | 8.605e-001 | 6.569e-001 | 6.097e-001 | 8.322e-001 |
| 0.2 | 9.782e-001 | 1.127e+000 | 9.604e-001 | 7.779e-001 | 1.048e+000 |
| 0.3 | 1.131e+000 | 1.335e+000 | 1.114e+000 | 8.961e-001 | 1.178e+000 |
| 0.4 | 1.123e+000 | 1.352e+000 | 1.086e+000 | 9.121e-001 | 1.144e+000 |
| 0.5 | 1.077e+000 | 1.291e+000 | 1.018e+000 | 9.172e-001 | 1.082e+000 |
| 0.75 | 8.937e-001 | 1.079e+000 | 8.103e-001 | 7.645e-001 | 9.210e-001 |
| 1 | 7.359e-001 | 9.026e-001 | 6.009e-001 | 6.384e-001 | 8.020e-001 |
| 2 | 4.300e-001 | 5.838e-001 | 2.850e-001 | 4.066e-001 | 4.448e-001 |
| 3 | 2.744e-001 | 3.485e-001 | 1.824e-001 | 2.810e-001 | 2.857e-001 |
| 4 | 1.974e-001 | 2.346e-001 | 1.333e-001 | 2.178e-001 | 2.040e-001 |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 7.903e-001 | 9.714e-001 | 6.867e-001 | 6.503e-001 | 8.527e-001 |
| 0.05 | 9.050e-001 | 1.031e+000 | 8.165e-001 | 7.609e-001 | 1.011e+000 |

| | | | | | |
|------|------------|------------|------------|------------|------------|
| 0.1 | 1.183e+000 | 1.273e+000 | 1.202e+000 | 9.946e-001 | 1.261e+000 |
| 0.2 | 1.573e+000 | 1.710e+000 | 1.737e+000 | 1.254e+000 | 1.592e+000 |
| 0.3 | 1.854e+000 | 2.088e+000 | 2.039e+000 | 1.459e+000 | 1.832e+000 |
| 0.4 | 1.869e+000 | 2.169e+000 | 1.978e+000 | 1.511e+000 | 1.820e+000 |
| 0.5 | 1.828e+000 | 2.125e+000 | 1.876e+000 | 1.552e+000 | 1.762e+000 |
| 0.75 | 1.583e+000 | 1.856e+000 | 1.541e+000 | 1.354e+000 | 1.579e+000 |
| 1 | 1.331e+000 | 1.587e+000 | 1.147e+000 | 1.160e+000 | 1.432e+000 |
| 2 | 8.369e-001 | 1.087e+000 | 5.879e-001 | 7.908e-001 | 8.817e-001 |
| 3 | 5.544e-001 | 6.720e-001 | 3.827e-001 | 5.616e-001 | 6.015e-001 |
| 4 | 4.108e-001 | 4.628e-001 | 2.857e-001 | 4.443e-001 | 4.504e-001 |

Source: Oak Ridge (Onshore)
 Region: USGS 2008 California
 Closest Distance: 3.25 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.20 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 6.122e-001 | 6.473e-001 | 4.982e-001 | 6.189e-001 | 6.841e-001 | 7.907e-001 |
| 0.05 | 6.812e-001 | 6.806e-001 | 5.963e-001 | 6.572e-001 | 7.440e-001 | 8.590e-001 |
| 0.1 | 8.543e-001 | 8.395e-001 | 8.590e-001 | 7.440e-001 | 9.748e-001 | 1.125e+000 |
| 0.2 | 1.125e+000 | 1.110e+000 | 1.235e+000 | 9.435e-001 | 1.212e+000 | 1.341e+000 |
| 0.3 | 1.341e+000 | 1.335e+000 | 1.466e+000 | 1.178e+000 | 1.383e+000 | 1.364e+000 |
| 0.4 | 1.364e+000 | 1.363e+000 | 1.432e+000 | 1.295e+000 | 1.367e+000 | 1.342e+000 |
| 0.5 | 1.342e+000 | 1.304e+000 | 1.343e+000 | 1.406e+000 | 1.315e+000 | 1.181e+000 |
| 0.75 | 1.181e+000 | 1.106e+000 | 1.112e+000 | 1.338e+000 | 1.167e+000 | 9.950e-001 |
| 1 | 9.950e-001 | 9.362e-001 | 8.259e-001 | 1.172e+000 | 1.046e+000 | 6.766e-001 |
| 2 | 6.766e-001 | 7.092e-001 | 4.731e-001 | 8.283e-001 | 6.957e-001 | 4.908e-001 |
| 3 | 4.908e-001 | 5.242e-001 | 3.658e-001 | 5.602e-001 | 5.131e-001 | 3.959e-001 |
| 4 | 3.959e-001 | 4.184e-001 | 2.987e-001 | 4.571e-001 | 4.096e-001 | |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 9.599e-001 | 9.677e-001 | 8.730e-001 | 9.494e-001 | 1.049e+000 | 1.083e+000 |
| 0.05 | 1.083e+000 | 1.004e+000 | 1.071e+000 | 1.033e+000 | 1.225e+000 | 1.370e+000 |
| 0.1 | 1.370e+000 | 1.242e+000 | 1.573e+000 | 1.201e+000 | 1.466e+000 | 1.811e+000 |
| 0.2 | 1.811e+000 | 1.685e+000 | 2.234e+000 | 1.499e+000 | 1.826e+000 | 2.198e+000 |
| 0.3 | 2.198e+000 | 2.089e+000 | 2.684e+000 | 1.884e+000 | 2.134e+000 | 2.267e+000 |
| 0.4 | 2.267e+000 | 2.187e+000 | 2.608e+000 | 2.110e+000 | 2.161e+000 | 2.273e+000 |
| 0.5 | 2.273e+000 | 2.146e+000 | 2.475e+000 | 2.344e+000 | 2.128e+000 | 2.089e+000 |
| 0.75 | 2.089e+000 | 1.902e+000 | 2.115e+000 | 2.344e+000 | 1.993e+000 | |

| | | | | | |
|---|------------|------------|------------|------------|------------|
| 1 | 1.799e+000 | 1.646e+000 | 1.576e+000 | 2.114e+000 | 1.861e+000 |
| 2 | 1.321e+000 | 1.321e+000 | 9.760e-001 | 1.610e+000 | 1.378e+000 |
| 3 | 9.944e-001 | 1.011e+000 | 7.673e-001 | 1.119e+000 | 1.080e+000 |
| 4 | 8.257e-001 | 8.254e-001 | 6.403e-001 | 9.324e-001 | 9.045e-001 |

Source: Oak Ridge Connected
 Region: USGS 2008 California
 Closest Distance: 2.84 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.40 Mw
 Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 6.980e-001 | 7.161e-001 | 5.475e-001 | 6.704e-001 | 8.580e-001 |
| 0.05 | 7.767e-001 | 7.473e-001 | 6.635e-001 | 7.002e-001 | 9.956e-001 |
| 0.1 | 9.466e-001 | 9.025e-001 | 9.348e-001 | 7.720e-001 | 1.177e+000 |
| 0.2 | 1.225e+000 | 1.185e+000 | 1.317e+000 | 9.749e-001 | 1.423e+000 |
| 0.3 | 1.473e+000 | 1.448e+000 | 1.588e+000 | 1.237e+000 | 1.621e+000 |
| 0.4 | 1.508e+000 | 1.504e+000 | 1.532e+000 | 1.385e+000 | 1.608e+000 |
| 0.5 | 1.500e+000 | 1.463e+000 | 1.433e+000 | 1.551e+000 | 1.555e+000 |
| 0.75 | 1.359e+000 | 1.274e+000 | 1.213e+000 | 1.554e+000 | 1.397e+000 |
| 1 | 1.169e+000 | 1.098e+000 | 8.941e-001 | 1.422e+000 | 1.261e+000 |
| 2 | 8.223e-001 | 8.593e-001 | 5.262e-001 | 1.085e+000 | 8.188e-001 |
| 3 | 5.776e-001 | 6.136e-001 | 4.294e-001 | 6.954e-001 | 5.718e-001 |
| 4 | 4.489e-001 | 4.745e-001 | 3.509e-001 | 5.267e-001 | 4.435e-001 |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.091e+000 | 1.066e+000 | 9.593e-001 | 1.027e+000 | 1.311e+000 |
| 0.05 | 1.231e+000 | 1.099e+000 | 1.192e+000 | 1.100e+000 | 1.534e+000 |
| 0.1 | 1.511e+000 | 1.332e+000 | 1.711e+000 | 1.246e+000 | 1.756e+000 |
| 0.2 | 1.962e+000 | 1.791e+000 | 2.382e+000 | 1.547e+000 | 2.128e+000 |
| 0.3 | 2.405e+000 | 2.253e+000 | 2.907e+000 | 1.976e+000 | 2.486e+000 |
| 0.4 | 2.493e+000 | 2.400e+000 | 2.791e+000 | 2.253e+000 | 2.528e+000 |
| 0.5 | 2.530e+000 | 2.395e+000 | 2.641e+000 | 2.579e+000 | 2.506e+000 |
| 0.75 | 2.396e+000 | 2.183e+000 | 2.307e+000 | 2.717e+000 | 2.378e+000 |
| 1 | 2.108e+000 | 1.925e+000 | 1.706e+000 | 2.561e+000 | 2.239e+000 |
| 2 | 1.604e+000 | 1.600e+000 | 1.086e+000 | 2.108e+000 | 1.621e+000 |
| 3 | 1.169e+000 | 1.183e+000 | 9.007e-001 | 1.390e+000 | 1.203e+000 |
| 4 | 9.355e-001 | 9.361e-001 | 7.523e-001 | 1.074e+000 | 9.794e-001 |

Source: Palos Verdes
 Region: USGS 2008 California
 Closest Distance: 66.17 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.30 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 1.093e-001 | 1.047e-001 | 1.456e-001 | 9.117e-002 | 9.582e-002 | |
| 0.05 | 1.207e-001 | 1.086e-001 | 1.565e-001 | 1.050e-001 | 1.125e-001 | |
| 0.1 | 1.623e-001 | 1.428e-001 | 1.983e-001 | 1.428e-001 | 1.652e-001 | |
| 0.2 | 2.310e-001 | 2.361e-001 | 2.612e-001 | 2.016e-001 | 2.253e-001 | |
| 0.3 | 2.574e-001 | 2.833e-001 | 2.827e-001 | 2.281e-001 | 2.356e-001 | |
| 0.4 | 2.462e-001 | 2.768e-001 | 2.755e-001 | 2.146e-001 | 2.181e-001 | |
| 0.5 | 2.315e-001 | 2.567e-001 | 2.621e-001 | 2.105e-001 | 1.968e-001 | |
| 0.75 | 1.914e-001 | 2.119e-001 | 2.173e-001 | 1.786e-001 | 1.576e-001 | |
| 1 | 1.598e-001 | 1.769e-001 | 1.776e-001 | 1.492e-001 | 1.355e-001 | |
| 2 | 8.709e-002 | 9.468e-002 | 9.519e-002 | 8.323e-002 | 7.528e-002 | |
| 3 | 5.576e-002 | 6.054e-002 | 6.199e-002 | 5.386e-002 | 4.667e-002 | |
| 4 | 3.982e-002 | 4.351e-002 | 4.427e-002 | 3.992e-002 | 3.160e-002 | |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 1.836e-001 | 1.737e-001 | 2.550e-001 | 1.501e-001 | 1.555e-001 | |
| 0.05 | 2.075e-001 | 1.812e-001 | 2.811e-001 | 1.790e-001 | 1.886e-001 | |
| 0.1 | 2.831e-001 | 2.407e-001 | 3.630e-001 | 2.504e-001 | 2.782e-001 | |
| 0.2 | 4.029e-001 | 4.072e-001 | 4.725e-001 | 3.503e-001 | 3.814e-001 | |
| 0.3 | 4.538e-001 | 4.975e-001 | 5.175e-001 | 3.978e-001 | 4.027e-001 | |
| 0.4 | 4.365e-001 | 4.915e-001 | 5.018e-001 | 3.758e-001 | 3.770e-001 | |
| 0.5 | 4.152e-001 | 4.602e-001 | 4.831e-001 | 3.728e-001 | 3.447e-001 | |
| 0.75 | 3.517e-001 | 3.848e-001 | 4.128e-001 | 3.251e-001 | 2.842e-001 | |
| 1 | 2.966e-001 | 3.225e-001 | 3.380e-001 | 2.755e-001 | 2.504e-001 | |
| 2 | 1.669e-001 | 1.723e-001 | 1.909e-001 | 1.577e-001 | 1.466e-001 | |
| 3 | 1.077e-001 | 1.111e-001 | 1.237e-001 | 1.024e-001 | 9.372e-002 | |
| 4 | 7.750e-002 | 8.015e-002 | 8.862e-002 | 7.604e-002 | 6.517e-002 | |

Source: Palos Verdes Connected
 Region: USGS 2008 California
 Closest Distance: 66.17 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.70 Mw

Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.349e-001 | 1.388e-001 | 1.679e-001 | 1.060e-001 | 1.270e-001 |
| 0.05 | 1.487e-001 | 1.405e-001 | 1.847e-001 | 1.209e-001 | 1.488e-001 |
| 0.1 | 1.961e-001 | 1.816e-001 | 2.265e-001 | 1.600e-001 | 2.162e-001 |
| 0.2 | 2.741e-001 | 3.082e-001 | 2.658e-001 | 2.277e-001 | 2.949e-001 |
| 0.3 | 3.115e-001 | 3.818e-001 | 2.900e-001 | 2.632e-001 | 3.111e-001 |
| 0.4 | 3.022e-001 | 3.807e-001 | 2.861e-001 | 2.513e-001 | 2.907e-001 |
| 0.5 | 2.896e-001 | 3.583e-001 | 2.787e-001 | 2.566e-001 | 2.647e-001 |
| 0.75 | 2.505e-001 | 3.032e-001 | 2.487e-001 | 2.342e-001 | 2.159e-001 |
| 1 | 2.151e-001 | 2.573e-001 | 2.091e-001 | 2.059e-001 | 1.881e-001 |
| 2 | 1.260e-001 | 1.441e-001 | 1.224e-001 | 1.290e-001 | 1.084e-001 |
| 3 | 8.470e-002 | 9.416e-002 | 8.961e-002 | 8.649e-002 | 6.853e-002 |
| 4 | 6.106e-002 | 6.862e-002 | 6.343e-002 | 6.521e-002 | 4.698e-002 |

Fractile: 0.84

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 2.251e-001 | 2.278e-001 | 2.942e-001 | 1.739e-001 | 2.045e-001 |
| 0.05 | 2.537e-001 | 2.312e-001 | 3.318e-001 | 2.050e-001 | 2.468e-001 |
| 0.1 | 3.384e-001 | 3.014e-001 | 4.147e-001 | 2.790e-001 | 3.586e-001 |
| 0.2 | 4.726e-001 | 5.245e-001 | 4.808e-001 | 3.937e-001 | 4.912e-001 |
| 0.3 | 5.438e-001 | 6.634e-001 | 5.308e-001 | 4.571e-001 | 5.239e-001 |
| 0.4 | 5.315e-001 | 6.702e-001 | 5.211e-001 | 4.388e-001 | 4.959e-001 |
| 0.5 | 5.159e-001 | 6.381e-001 | 5.138e-001 | 4.535e-001 | 4.581e-001 |
| 0.75 | 4.580e-001 | 5.482e-001 | 4.723e-001 | 4.257e-001 | 3.856e-001 |
| 1 | 3.977e-001 | 4.678e-001 | 3.980e-001 | 3.798e-001 | 3.453e-001 |
| 2 | 2.407e-001 | 2.621e-001 | 2.455e-001 | 2.445e-001 | 2.106e-001 |
| 3 | 1.634e-001 | 1.728e-001 | 1.789e-001 | 1.645e-001 | 1.375e-001 |
| 4 | 1.186e-001 | 1.264e-001 | 1.270e-001 | 1.242e-001 | 9.688e-002 |

Source: Pitas Point (Lower)-Montalvo

Region: USGS 2008 California

Closest Distance: 25.29 km

Amplitude Units: Acceleration (g)

Magnitude: 7.30 Mw

Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 2.286e-001 | 2.156e-001 | 2.446e-001 | 2.103e-001 | 2.447e-001 |
| 0.05 | 2.593e-001 | 2.302e-001 | 2.712e-001 | 2.447e-001 | 2.921e-001 |
| 0.1 | 3.567e-001 | 3.033e-001 | 3.612e-001 | 3.512e-001 | 4.125e-001 |
| 0.2 | 4.887e-001 | 4.747e-001 | 4.821e-001 | 4.679e-001 | 5.319e-001 |
| 0.3 | 5.536e-001 | 5.786e-001 | 5.527e-001 | 5.150e-001 | 5.700e-001 |
| 0.4 | 5.233e-001 | 5.651e-001 | 5.184e-001 | 4.858e-001 | 5.259e-001 |
| 0.5 | 4.895e-001 | 5.231e-001 | 4.873e-001 | 4.747e-001 | 4.753e-001 |
| 0.75 | 3.932e-001 | 4.178e-001 | 3.958e-001 | 3.889e-001 | 3.732e-001 |
| 1 | 3.157e-001 | 3.400e-001 | 2.955e-001 | 3.189e-001 | 3.113e-001 |
| 2 | 1.660e-001 | 1.906e-001 | 1.394e-001 | 1.772e-001 | 1.587e-001 |
| 3 | 1.098e-001 | 1.287e-001 | 9.322e-002 | 1.166e-001 | 1.007e-001 |
| 4 | 8.140e-002 | 9.645e-002 | 6.712e-002 | 9.093e-002 | 7.111e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 3.741e-001 | 3.463e-001 | 4.286e-001 | 3.370e-001 | 3.859e-001 |
| 0.05 | 4.317e-001 | 3.681e-001 | 4.871e-001 | 4.028e-001 | 4.706e-001 |
| 0.1 | 5.988e-001 | 4.877e-001 | 6.612e-001 | 5.935e-001 | 6.552e-001 |
| 0.2 | 8.220e-001 | 7.854e-001 | 8.721e-001 | 7.845e-001 | 8.491e-001 |
| 0.3 | 9.471e-001 | 9.824e-001 | 1.012e+000 | 8.713e-001 | 9.259e-001 |
| 0.4 | 9.047e-001 | 9.766e-001 | 9.443e-001 | 8.311e-001 | 8.701e-001 |
| 0.5 | 8.596e-001 | 9.176e-001 | 8.983e-001 | 8.253e-001 | 8.014e-001 |
| 0.75 | 7.137e-001 | 7.498e-001 | 7.530e-001 | 7.010e-001 | 6.561e-001 |
| 1 | 5.817e-001 | 6.158e-001 | 5.639e-001 | 5.862e-001 | 5.659e-001 |
| 2 | 3.253e-001 | 3.563e-001 | 2.876e-001 | 3.450e-001 | 3.163e-001 |
| 3 | 2.222e-001 | 2.481e-001 | 1.956e-001 | 2.331e-001 | 2.122e-001 |
| 4 | 1.692e-001 | 1.903e-001 | 1.439e-001 | 1.855e-001 | 1.570e-001 |

Source: Pitas Point (Lower, West)

Region: USGS 2008 California

Closest Distance: 44.52 km

Amplitude Units: Acceleration (g)

Magnitude: 7.30 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.667e-001 | 1.573e-001 | 1.894e-001 | 1.582e-001 | 1.620e-001 |
| 0.05 | 1.860e-001 | 1.644e-001 | 2.059e-001 | 1.813e-001 | 1.926e-001 |
| 0.1 | 2.532e-001 | 2.160e-001 | 2.668e-001 | 2.518e-001 | 2.783e-001 |

| | | | | | |
|------|------------|------------|------------|------------|------------|
| 0.2 | 3.568e-001 | 3.564e-001 | 3.564e-001 | 3.485e-001 | 3.659e-001 |
| 0.3 | 4.047e-001 | 4.376e-001 | 4.050e-001 | 3.927e-001 | 3.836e-001 |
| 0.4 | 3.830e-001 | 4.277e-001 | 3.816e-001 | 3.709e-001 | 3.516e-001 |
| 0.5 | 3.587e-001 | 3.937e-001 | 3.618e-001 | 3.640e-001 | 3.154e-001 |
| 0.75 | 2.925e-001 | 3.157e-001 | 3.004e-001 | 3.061e-001 | 2.476e-001 |
| 1 | 2.359e-001 | 2.571e-001 | 2.297e-001 | 2.498e-001 | 2.068e-001 |
| 2 | 1.258e-001 | 1.463e-001 | 1.145e-001 | 1.338e-001 | 1.084e-001 |
| 3 | 8.408e-002 | 1.007e-001 | 7.863e-002 | 8.693e-002 | 7.005e-002 |
| 4 | 6.398e-002 | 7.720e-002 | 5.822e-002 | 6.986e-002 | 5.065e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 2.760e-001 | 2.567e-001 | 3.318e-001 | 2.563e-001 | 2.589e-001 | |
| 0.05 | 3.142e-001 | 2.685e-001 | 3.698e-001 | 3.025e-001 | 3.161e-001 | |
| 0.1 | 4.325e-001 | 3.555e-001 | 4.884e-001 | 4.317e-001 | 4.544e-001 | |
| 0.2 | 6.101e-001 | 6.022e-001 | 6.446e-001 | 5.928e-001 | 6.007e-001 | |
| 0.3 | 7.021e-001 | 7.559e-001 | 7.413e-001 | 6.728e-001 | 6.386e-001 | |
| 0.4 | 6.700e-001 | 7.496e-001 | 6.951e-001 | 6.409e-001 | 5.944e-001 | |
| 0.5 | 6.363e-001 | 6.986e-001 | 6.669e-001 | 6.378e-001 | 5.418e-001 | |
| 0.75 | 5.340e-001 | 5.702e-001 | 5.711e-001 | 5.540e-001 | 4.408e-001 | |
| 1 | 4.361e-001 | 4.673e-001 | 4.378e-001 | 4.600e-001 | 3.792e-001 | |
| 2 | 2.435e-001 | 2.701e-001 | 2.330e-001 | 2.570e-001 | 2.138e-001 | |
| 3 | 1.661e-001 | 1.896e-001 | 1.610e-001 | 1.696e-001 | 1.443e-001 | |
| 4 | 1.285e-001 | 1.473e-001 | 1.207e-001 | 1.379e-001 | 1.082e-001 | |

Source: Pitas Point (Upper)

Region: USGS 2008 California

Closest Distance: 35.89 km

Amplitude Units: Acceleration (g)

Magnitude: 6.90 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 1.621e-001 | 1.446e-001 | 1.876e-001 | 1.651e-001 | 1.513e-001 | |
| 0.05 | 1.828e-001 | 1.565e-001 | 2.013e-001 | 1.920e-001 | 1.812e-001 | |
| 0.1 | 2.557e-001 | 2.102e-001 | 2.710e-001 | 2.779e-001 | 2.637e-001 | |
| 0.2 | 3.615e-001 | 3.290e-001 | 3.985e-001 | 3.763e-001 | 3.424e-001 | |
| 0.3 | 4.017e-001 | 3.882e-001 | 4.486e-001 | 4.127e-001 | 3.574e-001 | |
| 0.4 | 3.735e-001 | 3.689e-001 | 4.186e-001 | 3.835e-001 | 3.231e-001 | |
| 0.5 | 3.417e-001 | 3.327e-001 | 3.873e-001 | 3.605e-001 | 2.864e-001 | |
| 0.75 | 2.615e-001 | 2.553e-001 | 2.956e-001 | 2.777e-001 | 2.175e-001 | |
| 1 | 2.028e-001 | 2.019e-001 | 2.182e-001 | 2.141e-001 | 1.769e-001 | |

| | | | | | |
|---|------------|------------|------------|------------|------------|
| 2 | 9.587e-002 | 1.046e-001 | 9.524e-002 | 9.874e-002 | 8.495e-002 |
| 3 | 5.932e-002 | 6.810e-002 | 5.648e-002 | 6.051e-002 | 5.217e-002 |
| 4 | 4.345e-002 | 5.002e-002 | 4.088e-002 | 4.673e-002 | 3.618e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 2.696e-001 | 2.388e-001 | 3.286e-001 | 2.671e-001 | 2.440e-001 |
| 0.05 | 3.102e-001 | 2.592e-001 | 3.616e-001 | 3.199e-001 | 3.003e-001 |
| 0.1 | 4.393e-001 | 3.511e-001 | 4.960e-001 | 4.754e-001 | 4.348e-001 |
| 0.2 | 6.227e-001 | 5.633e-001 | 7.207e-001 | 6.388e-001 | 5.678e-001 |
| 0.3 | 7.015e-001 | 6.781e-001 | 8.213e-001 | 7.058e-001 | 6.009e-001 |
| 0.4 | 6.570e-001 | 6.527e-001 | 7.624e-001 | 6.617e-001 | 5.511e-001 |
| 0.5 | 6.091e-001 | 5.952e-001 | 7.139e-001 | 6.312e-001 | 4.962e-001 |
| 0.75 | 4.797e-001 | 4.641e-001 | 5.621e-001 | 5.026e-001 | 3.899e-001 |
| 1 | 3.765e-001 | 3.690e-001 | 4.162e-001 | 3.944e-001 | 3.263e-001 |
| 2 | 1.877e-001 | 1.949e-001 | 1.954e-001 | 1.913e-001 | 1.693e-001 |
| 3 | 1.191e-001 | 1.302e-001 | 1.173e-001 | 1.198e-001 | 1.092e-001 |
| 4 | 8.921e-002 | 9.739e-002 | 8.646e-002 | 9.406e-002 | 7.894e-002 |

Source: Pitas Point Connected

Region: USGS 2008 California

Closest Distance: 8.06 km

Amplitude Units: Acceleration (g)

Magnitude: 7.30 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 4.235e-001 | 4.227e-001 | 3.549e-001 | 4.256e-001 | 4.908e-001 |
| 0.05 | 4.767e-001 | 4.481e-001 | 4.080e-001 | 4.777e-001 | 5.728e-001 |
| 0.1 | 6.317e-001 | 5.765e-001 | 5.732e-001 | 6.313e-001 | 7.460e-001 |
| 0.2 | 8.445e-001 | 8.256e-001 | 7.947e-001 | 8.106e-001 | 9.473e-001 |
| 0.3 | 9.779e-001 | 9.959e-001 | 9.299e-001 | 9.234e-001 | 1.063e+000 |
| 0.4 | 9.595e-001 | 9.905e-001 | 8.874e-001 | 9.319e-001 | 1.028e+000 |
| 0.5 | 9.201e-001 | 9.261e-001 | 8.338e-001 | 9.521e-001 | 9.685e-001 |
| 0.75 | 7.785e-001 | 7.590e-001 | 6.938e-001 | 8.330e-001 | 8.282e-001 |
| 1 | 6.460e-001 | 6.292e-001 | 5.187e-001 | 7.092e-001 | 7.268e-001 |
| 2 | 4.249e-001 | 4.417e-001 | 2.991e-001 | 4.873e-001 | 4.717e-001 |
| 3 | 3.250e-001 | 3.482e-001 | 2.367e-001 | 3.630e-001 | 3.520e-001 |
| 4 | 2.735e-001 | 2.949e-001 | 1.948e-001 | 3.213e-001 | 2.831e-001 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 6.724e-001 | 6.488e-001 | 6.219e-001 | 6.605e-001 | 7.584e-001 | 7.584e-001 |
| 0.05 | 7.667e-001 | 6.787e-001 | 7.328e-001 | 7.586e-001 | 8.969e-001 | 8.969e-001 |
| 0.1 | 1.023e+000 | 8.754e-001 | 1.049e+000 | 1.029e+000 | 1.138e+000 | 1.138e+000 |
| 0.2 | 1.371e+000 | 1.291e+000 | 1.437e+000 | 1.305e+000 | 1.449e+000 | 1.449e+000 |
| 0.3 | 1.618e+000 | 1.608e+000 | 1.702e+000 | 1.502e+000 | 1.660e+000 | 1.660e+000 |
| 0.4 | 1.610e+000 | 1.639e+000 | 1.616e+000 | 1.543e+000 | 1.643e+000 | 1.643e+000 |
| 0.5 | 1.574e+000 | 1.567e+000 | 1.537e+000 | 1.610e+000 | 1.583e+000 | 1.583e+000 |
| 0.75 | 1.387e+000 | 1.331e+000 | 1.320e+000 | 1.474e+000 | 1.424e+000 | 1.424e+000 |
| 1 | 1.175e+000 | 1.121e+000 | 9.899e-001 | 1.288e+000 | 1.300e+000 | 1.300e+000 |
| 2 | 8.311e-001 | 8.242e-001 | 6.170e-001 | 9.476e-001 | 9.355e-001 | 9.355e-001 |
| 3 | 6.587e-001 | 6.714e-001 | 4.966e-001 | 7.255e-001 | 7.412e-001 | 7.412e-001 |
| 4 | 5.700e-001 | 5.817e-001 | 4.177e-001 | 6.554e-001 | 6.252e-001 | 6.252e-001 |

Source: Pleito
 Region: USGS 2008 California
 Closest Distance: 69.05 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.10 Mw
 Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 9.708e-002 | 8.730e-002 | 1.311e-001 | 8.226e-002 | 8.763e-002 | 8.763e-002 |
| 0.05 | 1.070e-001 | 9.142e-002 | 1.387e-001 | 9.499e-002 | 1.028e-001 | 1.028e-001 |
| 0.1 | 1.453e-001 | 1.212e-001 | 1.787e-001 | 1.304e-001 | 1.511e-001 | 1.511e-001 |
| 0.2 | 2.132e-001 | 2.043e-001 | 2.578e-001 | 1.839e-001 | 2.067e-001 | 2.067e-001 |
| 0.3 | 2.405e-001 | 2.457e-001 | 2.936e-001 | 2.069e-001 | 2.159e-001 | 2.159e-001 |
| 0.4 | 2.282e-001 | 2.406e-001 | 2.792e-001 | 1.933e-001 | 1.995e-001 | 1.995e-001 |
| 0.5 | 2.136e-001 | 2.236e-001 | 2.654e-001 | 1.860e-001 | 1.796e-001 | 1.796e-001 |
| 0.75 | 1.739e-001 | 1.835e-001 | 2.174e-001 | 1.524e-001 | 1.423e-001 | 1.423e-001 |
| 1 | 1.407e-001 | 1.518e-001 | 1.674e-001 | 1.241e-001 | 1.197e-001 | 1.197e-001 |
| 2 | 6.856e-002 | 7.905e-002 | 7.307e-002 | 6.511e-002 | 5.701e-002 | 5.701e-002 |
| 3 | 4.184e-002 | 4.985e-002 | 4.271e-002 | 4.122e-002 | 3.356e-002 | 3.356e-002 |
| 4 | 2.929e-002 | 3.551e-002 | 2.911e-002 | 3.020e-002 | 2.236e-002 | 2.236e-002 |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.634e-001 | 1.456e-001 | 2.298e-001 | 1.357e-001 | 1.426e-001 |
| 0.05 | 1.845e-001 | 1.537e-001 | 2.491e-001 | 1.624e-001 | 1.728e-001 |
| 0.1 | 2.545e-001 | 2.061e-001 | 3.272e-001 | 2.293e-001 | 2.555e-001 |
| 0.2 | 3.734e-001 | 3.551e-001 | 4.663e-001 | 3.207e-001 | 3.515e-001 |
| 0.3 | 4.259e-001 | 4.340e-001 | 5.375e-001 | 3.617e-001 | 3.706e-001 |
| 0.4 | 4.058e-001 | 4.291e-001 | 5.086e-001 | 3.392e-001 | 3.461e-001 |
| 0.5 | 3.842e-001 | 4.023e-001 | 4.892e-001 | 3.299e-001 | 3.155e-001 |
| 0.75 | 3.204e-001 | 3.340e-001 | 4.128e-001 | 2.776e-001 | 2.572e-001 |
| 1 | 2.617e-001 | 2.771e-001 | 3.186e-001 | 2.292e-001 | 2.217e-001 |
| 2 | 1.313e-001 | 1.439e-001 | 1.466e-001 | 1.234e-001 | 1.112e-001 |
| 3 | 8.064e-002 | 9.147e-002 | 8.525e-002 | 7.838e-002 | 6.744e-002 |
| 4 | 5.684e-002 | 6.541e-002 | 5.828e-002 | 5.752e-002 | 4.613e-002 |

Source: Puente Hills
 Region: USGS 2008 California
 Closest Distance: 85.93 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.10 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 9.669e-002 | 1.106e-001 | 1.017e-001 | 8.790e-002 | 8.654e-002 |
| 0.05 | 1.044e-001 | 1.125e-001 | 1.067e-001 | 9.942e-002 | 9.912e-002 |
| 0.1 | 1.398e-001 | 1.472e-001 | 1.361e-001 | 1.329e-001 | 1.431e-001 |
| 0.2 | 2.121e-001 | 2.559e-001 | 2.010e-001 | 1.918e-001 | 1.997e-001 |
| 0.3 | 2.460e-001 | 3.150e-001 | 2.349e-001 | 2.220e-001 | 2.121e-001 |
| 0.4 | 2.341e-001 | 3.032e-001 | 2.263e-001 | 2.090e-001 | 1.980e-001 |
| 0.5 | 2.174e-001 | 2.707e-001 | 2.177e-001 | 2.023e-001 | 1.789e-001 |
| 0.75 | 1.740e-001 | 2.058e-001 | 1.811e-001 | 1.675e-001 | 1.416e-001 |
| 1 | 1.383e-001 | 1.608e-001 | 1.411e-001 | 1.331e-001 | 1.183e-001 |
| 2 | 6.216e-002 | 7.287e-002 | 6.224e-002 | 5.973e-002 | 5.382e-002 |
| 3 | 3.586e-002 | 4.215e-002 | 3.639e-002 | 3.458e-002 | 3.034e-002 |
| 4 | 2.451e-002 | 2.821e-002 | 2.481e-002 | 2.540e-002 | 1.964e-002 |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.617e-001 | 1.831e-001 | 1.782e-001 | 1.448e-001 | 1.408e-001 |
| 0.05 | 1.789e-001 | 1.873e-001 | 1.917e-001 | 1.696e-001 | 1.669e-001 |
| 0.1 | 2.431e-001 | 2.476e-001 | 2.491e-001 | 2.333e-001 | 2.426e-001 |
| 0.2 | 3.694e-001 | 4.404e-001 | 3.635e-001 | 3.337e-001 | 3.401e-001 |
| 0.3 | 4.335e-001 | 5.522e-001 | 4.300e-001 | 3.874e-001 | 3.643e-001 |

| | | | | | |
|------|------------|------------|------------|------------|------------|
| 0.4 | 4.150e-001 | 5.377e-001 | 4.123e-001 | 3.663e-001 | 3.436e-001 |
| 0.5 | 3.898e-001 | 4.848e-001 | 4.013e-001 | 3.586e-001 | 3.145e-001 |
| 0.75 | 3.196e-001 | 3.734e-001 | 3.440e-001 | 3.050e-001 | 2.560e-001 |
| 1 | 2.566e-001 | 2.930e-001 | 2.684e-001 | 2.458e-001 | 2.192e-001 |
| 2 | 1.189e-001 | 1.326e-001 | 1.248e-001 | 1.132e-001 | 1.050e-001 |
| 3 | 6.917e-002 | 7.734e-002 | 7.262e-002 | 6.575e-002 | 6.096e-002 |
| 4 | 4.763e-002 | 5.197e-002 | 4.967e-002 | 4.839e-002 | 4.051e-002 |

Source: Puente Hills (Coyote Hills)
 Region: USGS 2008 California
 Closest Distance: 113.35 km
 Amplitude Units: Acceleration (g)
 Magnitude: 6.90 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 5.751e-002 | 5.901e-002 | 6.100e-002 | 6.344e-002 | 4.658e-002 |
| 0.05 | 6.151e-002 | 6.011e-002 | 6.279e-002 | 7.121e-002 | 5.192e-002 |
| 0.1 | 8.199e-002 | 7.858e-002 | 8.061e-002 | 9.393e-002 | 7.483e-002 |
| 0.2 | 1.298e-001 | 1.381e-001 | 1.322e-001 | 1.380e-001 | 1.109e-001 |
| 0.3 | 1.544e-001 | 1.709e-001 | 1.618e-001 | 1.624e-001 | 1.226e-001 |
| 0.4 | 1.487e-001 | 1.665e-001 | 1.590e-001 | 1.522e-001 | 1.172e-001 |
| 0.5 | 1.397e-001 | 1.518e-001 | 1.544e-001 | 1.450e-001 | 1.075e-001 |
| 0.75 | 1.128e-001 | 1.199e-001 | 1.280e-001 | 1.165e-001 | 8.692e-002 |
| 1 | 8.963e-002 | 9.516e-002 | 9.993e-002 | 9.003e-002 | 7.341e-002 |
| 2 | 3.992e-002 | 4.432e-002 | 4.326e-002 | 3.787e-002 | 3.421e-002 |
| 3 | 2.282e-002 | 2.618e-002 | 2.402e-002 | 2.152e-002 | 1.958e-002 |
| 4 | 1.570e-002 | 1.782e-002 | 1.655e-002 | 1.567e-002 | 1.275e-002 |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 9.741e-002 | 1.002e-001 | 1.069e-001 | 1.052e-001 | 7.736e-002 |
| 0.05 | 1.071e-001 | 1.035e-001 | 1.128e-001 | 1.226e-001 | 8.955e-002 |
| 0.1 | 1.455e-001 | 1.370e-001 | 1.476e-001 | 1.665e-001 | 1.307e-001 |
| 0.2 | 2.303e-001 | 2.453e-001 | 2.391e-001 | 2.421e-001 | 1.947e-001 |
| 0.3 | 2.762e-001 | 3.071e-001 | 2.963e-001 | 2.854e-001 | 2.162e-001 |
| 0.4 | 2.667e-001 | 3.012e-001 | 2.895e-001 | 2.682e-001 | 2.081e-001 |
| 0.5 | 2.529e-001 | 2.764e-001 | 2.847e-001 | 2.580e-001 | 1.928e-001 |
| 0.75 | 2.088e-001 | 2.201e-001 | 2.431e-001 | 2.126e-001 | 1.593e-001 |
| 1 | 1.672e-001 | 1.748e-001 | 1.902e-001 | 1.665e-001 | 1.375e-001 |
| 2 | 7.660e-002 | 8.086e-002 | 8.678e-002 | 7.176e-002 | 6.699e-002 |
| 3 | 4.409e-002 | 4.808e-002 | 4.794e-002 | 4.091e-002 | 3.941e-002 |

4 3.054e-002 3.284e-002 3.314e-002 2.985e-002 2.634e-002

Source: Puente Hills (LA)
 Region: USGS 2008 California
 Closest Distance: 83.14 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.00 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 8.546e-002 | 8.250e-002 | 1.007e-001 | 8.658e-002 | 7.208e-002 | |
| 0.05 | 9.301e-002 | 8.553e-002 | 1.052e-001 | 9.831e-002 | 8.306e-002 | |
| 0.1 | 1.256e-001 | 1.132e-001 | 1.355e-001 | 1.327e-001 | 1.212e-001 | |
| 0.2 | 1.897e-001 | 1.933e-001 | 2.055e-001 | 1.907e-001 | 1.694e-001 | |
| 0.3 | 2.178e-001 | 2.335e-001 | 2.390e-001 | 2.189e-001 | 1.796e-001 | |
| 0.4 | 2.069e-001 | 2.259e-001 | 2.292e-001 | 2.052e-001 | 1.673e-001 | |
| 0.5 | 1.930e-001 | 2.056e-001 | 2.188e-001 | 1.966e-001 | 1.511e-001 | |
| 0.75 | 1.550e-001 | 1.623e-001 | 1.784e-001 | 1.597e-001 | 1.198e-001 | |
| 1 | 1.234e-001 | 1.304e-001 | 1.377e-001 | 1.254e-001 | 1.003e-001 | |
| 2 | 5.594e-002 | 6.306e-002 | 5.938e-002 | 5.470e-002 | 4.662e-002 | |
| 3 | 3.252e-002 | 3.804e-002 | 3.374e-002 | 3.140e-002 | 2.688e-002 | |
| 4 | 2.249e-002 | 2.627e-002 | 2.308e-002 | 2.297e-002 | 1.764e-002 | |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 1.437e-001 | 1.378e-001 | 1.764e-001 | 1.427e-001 | 1.178e-001 | |
| 0.05 | 1.604e-001 | 1.441e-001 | 1.889e-001 | 1.678e-001 | 1.406e-001 | |
| 0.1 | 2.202e-001 | 1.929e-001 | 2.480e-001 | 2.331e-001 | 2.069e-001 | |
| 0.2 | 3.328e-001 | 3.367e-001 | 3.716e-001 | 3.319e-001 | 2.909e-001 | |
| 0.3 | 3.859e-001 | 4.131e-001 | 4.375e-001 | 3.821e-001 | 3.108e-001 | |
| 0.4 | 3.682e-001 | 4.034e-001 | 4.174e-001 | 3.598e-001 | 2.923e-001 | |
| 0.5 | 3.473e-001 | 3.703e-001 | 4.033e-001 | 3.486e-001 | 2.671e-001 | |
| 0.75 | 2.857e-001 | 2.955e-001 | 3.389e-001 | 2.909e-001 | 2.174e-001 | |
| 1 | 2.296e-001 | 2.382e-001 | 2.621e-001 | 2.316e-001 | 1.864e-001 | |
| 2 | 1.071e-001 | 1.148e-001 | 1.191e-001 | 1.036e-001 | 9.103e-002 | |
| 3 | 6.272e-002 | 6.980e-002 | 6.735e-002 | 5.971e-002 | 5.403e-002 | |
| 4 | 4.369e-002 | 4.839e-002 | 4.621e-002 | 4.376e-002 | 3.639e-002 | |

Source: Puente Hills (Santa Fe Springs)
 Region: USGS 2008 California

Closest Distance: 96.84 km
 Amplitude Units: Acceleration (g)
 Magnitude: 6.70 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 6.372e-002 | 6.648e-002 | 7.024e-002 | 6.683e-002 | 5.135e-002 | |
| 0.05 | 6.899e-002 | 6.926e-002 | 7.265e-002 | 7.590e-002 | 5.817e-002 | |
| 0.1 | 9.388e-002 | 9.253e-002 | 9.568e-002 | 1.030e-001 | 8.435e-002 | |
| 0.2 | 1.462e-001 | 1.565e-001 | 1.586e-001 | 1.489e-001 | 1.210e-001 | |
| 0.3 | 1.686e-001 | 1.854e-001 | 1.881e-001 | 1.708e-001 | 1.302e-001 | |
| 0.4 | 1.585e-001 | 1.746e-001 | 1.788e-001 | 1.587e-001 | 1.220e-001 | |
| 0.5 | 1.453e-001 | 1.539e-001 | 1.694e-001 | 1.478e-001 | 1.103e-001 | |
| 0.75 | 1.123e-001 | 1.146e-001 | 1.338e-001 | 1.141e-001 | 8.658e-002 | |
| 1 | 8.690e-002 | 8.826e-002 | 1.018e-001 | 8.612e-002 | 7.146e-002 | |
| 2 | 3.644e-002 | 3.825e-002 | 4.193e-002 | 3.429e-002 | 3.132e-002 | |
| 3 | 2.009e-002 | 2.175e-002 | 2.236e-002 | 1.912e-002 | 1.723e-002 | |
| 4 | 1.363e-002 | 1.463e-002 | 1.523e-002 | 1.378e-002 | 1.095e-002 | |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 1.087e-001 | 1.147e-001 | 1.231e-001 | 1.107e-001 | 8.640e-002 | |
| 0.05 | 1.209e-001 | 1.212e-001 | 1.305e-001 | 1.305e-001 | 1.015e-001 | |
| 0.1 | 1.676e-001 | 1.642e-001 | 1.751e-001 | 1.823e-001 | 1.488e-001 | |
| 0.2 | 2.611e-001 | 2.822e-001 | 2.868e-001 | 2.610e-001 | 2.144e-001 | |
| 0.3 | 3.033e-001 | 3.375e-001 | 3.444e-001 | 2.998e-001 | 2.317e-001 | |
| 0.4 | 2.858e-001 | 3.197e-001 | 3.256e-001 | 2.793e-001 | 2.185e-001 | |
| 0.5 | 2.644e-001 | 2.833e-001 | 3.122e-001 | 2.629e-001 | 1.992e-001 | |
| 0.75 | 2.085e-001 | 2.121e-001 | 2.541e-001 | 2.083e-001 | 1.597e-001 | |
| 1 | 1.627e-001 | 1.632e-001 | 1.937e-001 | 1.593e-001 | 1.345e-001 | |
| 2 | 7.016e-002 | 7.007e-002 | 8.411e-002 | 6.497e-002 | 6.152e-002 | |
| 3 | 3.891e-002 | 4.004e-002 | 4.463e-002 | 3.635e-002 | 3.478e-002 | |
| 4 | 2.657e-002 | 2.699e-002 | 3.049e-002 | 2.626e-002 | 2.266e-002 | |

Source: Raymond
 Region: USGS 2008 California
 Closest Distance: 91.36 km
 Amplitude Units: Acceleration (g)
 Magnitude: 6.80 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 5.995e-002 | 5.368e-002 | 8.059e-002 | 5.648e-002 | 4.903e-002 |
| 0.05 | 6.506e-002 | 5.634e-002 | 8.302e-002 | 6.478e-002 | 5.610e-002 |
| 0.1 | 8.859e-002 | 7.537e-002 | 1.085e-001 | 8.829e-002 | 8.224e-002 |
| 0.2 | 1.372e-001 | 1.273e-001 | 1.771e-001 | 1.266e-001 | 1.176e-001 |
| 0.3 | 1.575e-001 | 1.508e-001 | 2.086e-001 | 1.442e-001 | 1.261e-001 |
| 0.4 | 1.495e-001 | 1.457e-001 | 2.002e-001 | 1.338e-001 | 1.182e-001 |
| 0.5 | 1.392e-001 | 1.339e-001 | 1.902e-001 | 1.253e-001 | 1.072e-001 |
| 0.75 | 1.106e-001 | 1.078e-001 | 1.512e-001 | 9.795e-002 | 8.528e-002 |
| 1 | 8.786e-002 | 8.787e-002 | 1.155e-001 | 7.661e-002 | 7.149e-002 |
| 2 | 4.048e-002 | 4.370e-002 | 4.804e-002 | 3.673e-002 | 3.344e-002 |
| 3 | 2.372e-002 | 2.688e-002 | 2.584e-002 | 2.272e-002 | 1.943e-002 |
| 4 | 1.648e-002 | 1.884e-002 | 1.782e-002 | 1.647e-002 | 1.279e-002 |

Fractile: 0.84

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.023e-001 | 9.218e-002 | 1.412e-001 | 9.380e-002 | 8.195e-002 |
| 0.05 | 1.141e-001 | 9.824e-002 | 1.491e-001 | 1.118e-001 | 9.729e-002 |
| 0.1 | 1.582e-001 | 1.333e-001 | 1.985e-001 | 1.569e-001 | 1.442e-001 |
| 0.2 | 2.448e-001 | 2.287e-001 | 3.204e-001 | 2.228e-001 | 2.073e-001 |
| 0.3 | 2.832e-001 | 2.737e-001 | 3.819e-001 | 2.539e-001 | 2.235e-001 |
| 0.4 | 2.693e-001 | 2.658e-001 | 3.647e-001 | 2.359e-001 | 2.108e-001 |
| 0.5 | 2.531e-001 | 2.457e-001 | 3.506e-001 | 2.233e-001 | 1.929e-001 |
| 0.75 | 2.055e-001 | 1.990e-001 | 2.871e-001 | 1.789e-001 | 1.569e-001 |
| 1 | 1.645e-001 | 1.620e-001 | 2.197e-001 | 1.418e-001 | 1.343e-001 |
| 2 | 7.786e-002 | 7.990e-002 | 9.637e-002 | 6.960e-002 | 6.558e-002 |
| 3 | 4.584e-002 | 4.943e-002 | 5.157e-002 | 4.319e-002 | 3.917e-002 |
| 4 | 3.206e-002 | 3.474e-002 | 3.568e-002 | 3.138e-002 | 2.643e-002 |

Source: Red Mountain
 Region: USGS 2008 California
 Closest Distance: 15.78 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.40 Mw
 Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
|---|---|---|---|---|---|

| | | | | | |
|------|------------|------------|------------|------------|------------|
| PGA | 2.955e-001 | 2.862e-001 | 2.966e-001 | 2.549e-001 | 3.442e-001 |
| 0.05 | 3.372e-001 | 3.061e-001 | 3.352e-001 | 2.995e-001 | 4.081e-001 |
| 0.1 | 4.606e-001 | 4.003e-001 | 4.543e-001 | 4.298e-001 | 5.578e-001 |
| 0.2 | 6.205e-001 | 6.064e-001 | 6.020e-001 | 5.586e-001 | 7.149e-001 |
| 0.3 | 7.055e-001 | 7.366e-001 | 6.971e-001 | 6.063e-001 | 7.820e-001 |
| 0.4 | 6.749e-001 | 7.273e-001 | 6.569e-001 | 5.779e-001 | 7.373e-001 |
| 0.5 | 6.376e-001 | 6.804e-001 | 6.188e-001 | 5.718e-001 | 6.793e-001 |
| 0.75 | 5.293e-001 | 5.592e-001 | 5.178e-001 | 4.817e-001 | 5.584e-001 |
| 1 | 4.363e-001 | 4.648e-001 | 3.890e-001 | 4.114e-001 | 4.798e-001 |
| 2 | 2.849e-001 | 3.167e-001 | 2.204e-001 | 3.046e-001 | 2.978e-001 |
| 3 | 2.213e-001 | 2.487e-001 | 1.746e-001 | 2.429e-001 | 2.190e-001 |
| 4 | 1.848e-001 | 2.110e-001 | 1.413e-001 | 2.125e-001 | 1.745e-001 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 4.784e-001 | 4.517e-001 | 5.197e-001 | 4.050e-001 | 5.371e-001 | |
| 0.05 | 5.541e-001 | 4.785e-001 | 6.021e-001 | 4.881e-001 | 6.477e-001 | |
| 0.1 | 7.615e-001 | 6.285e-001 | 8.316e-001 | 7.188e-001 | 8.672e-001 | |
| 0.2 | 1.028e+000 | 9.809e-001 | 1.089e+000 | 9.264e-001 | 1.115e+000 | |
| 0.3 | 1.191e+000 | 1.227e+000 | 1.276e+000 | 1.016e+000 | 1.244e+000 | |
| 0.4 | 1.153e+000 | 1.237e+000 | 1.197e+000 | 9.807e-001 | 1.198e+000 | |
| 0.5 | 1.108e+000 | 1.178e+000 | 1.141e+000 | 9.876e-001 | 1.127e+000 | |
| 0.75 | 9.537e-001 | 9.951e-001 | 9.851e-001 | 8.646e-001 | 9.700e-001 | |
| 1 | 7.995e-001 | 8.370e-001 | 7.424e-001 | 7.542e-001 | 8.646e-001 | |
| 2 | 5.578e-001 | 5.917e-001 | 4.547e-001 | 5.929e-001 | 5.918e-001 | |
| 3 | 4.481e-001 | 4.796e-001 | 3.662e-001 | 4.854e-001 | 4.613e-001 | |
| 4 | 3.845e-001 | 4.163e-001 | 3.028e-001 | 4.335e-001 | 3.854e-001 | |

Source: Rinconada

Region: USGS 2008 California

Closest Distance: 170.25 km

Amplitude Units: Acceleration (g)

Magnitude: 7.50 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 4.291e-002 | 4.955e-002 | 3.956e-002 | 4.715e-002 | 3.538e-002 | |
| 0.05 | 4.447e-002 | 4.704e-002 | 4.197e-002 | 5.152e-002 | 3.737e-002 | |
| 0.1 | 5.557e-002 | 5.701e-002 | 4.978e-002 | 6.294e-002 | 5.256e-002 | |
| 0.2 | 9.049e-002 | 1.082e-001 | 7.052e-002 | 9.629e-002 | 8.692e-002 | |
| 0.3 | 1.169e-001 | 1.514e-001 | 9.014e-002 | 1.212e-001 | 1.049e-001 | |
| 0.4 | 1.206e-001 | 1.611e-001 | 9.814e-002 | 1.163e-001 | 1.067e-001 | |

| | | | | | |
|------|------------|------------|------------|------------|------------|
| 0.5 | 1.207e-001 | 1.594e-001 | 1.028e-001 | 1.180e-001 | 1.026e-001 |
| 0.75 | 1.107e-001 | 1.469e-001 | 9.923e-002 | 1.064e-001 | 9.017e-002 |
| 1 | 9.638e-002 | 1.241e-001 | 8.901e-002 | 9.056e-002 | 8.189e-002 |
| 2 | 5.596e-002 | 6.724e-002 | 5.405e-002 | 5.248e-002 | 5.006e-002 |
| 3 | 3.682e-002 | 4.332e-002 | 3.741e-002 | 3.444e-002 | 3.209e-002 |
| 4 | 2.638e-002 | 3.138e-002 | 2.633e-002 | 2.574e-002 | 2.206e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 7.251e-002 | 8.365e-002 | 6.932e-002 | 7.850e-002 | 5.858e-002 | 6.435e-002 |
| 0.05 | 7.737e-002 | 8.049e-002 | 7.539e-002 | 8.924e-002 | 6.435e-002 | 6.435e-002 |
| 0.1 | 9.856e-002 | 9.887e-002 | 9.112e-002 | 1.123e-001 | 9.196e-002 | 9.196e-002 |
| 0.2 | 1.604e-001 | 1.912e-001 | 1.276e-001 | 1.700e-001 | 1.527e-001 | 1.527e-001 |
| 0.3 | 2.087e-001 | 2.708e-001 | 1.650e-001 | 2.140e-001 | 1.849e-001 | 1.849e-001 |
| 0.4 | 2.159e-001 | 2.901e-001 | 1.788e-001 | 2.056e-001 | 1.891e-001 | 1.891e-001 |
| 0.5 | 2.181e-001 | 2.889e-001 | 1.894e-001 | 2.106e-001 | 1.834e-001 | 1.834e-001 |
| 0.75 | 2.041e-001 | 2.687e-001 | 1.885e-001 | 1.946e-001 | 1.647e-001 | 1.647e-001 |
| 1 | 1.793e-001 | 2.273e-001 | 1.694e-001 | 1.677e-001 | 1.527e-001 | 1.527e-001 |
| 2 | 1.070e-001 | 1.224e-001 | 1.084e-001 | 9.946e-002 | 9.771e-002 | 9.771e-002 |
| 3 | 7.103e-002 | 7.949e-002 | 7.468e-002 | 6.548e-002 | 6.449e-002 | 6.449e-002 |
| 4 | 5.126e-002 | 5.780e-002 | 5.271e-002 | 4.904e-002 | 4.550e-002 | 4.550e-002 |

Source: San Cayetano

Region: USGS 2008 California

Closest Distance: 25.52 km

Amplitude Units: Acceleration (g)

Magnitude: 7.20 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 2.102e-001 | 1.958e-001 | 2.376e-001 | 1.809e-001 | 2.264e-001 | 2.264e-001 |
| 0.05 | 2.395e-001 | 2.110e-001 | 2.621e-001 | 2.138e-001 | 2.711e-001 | 2.711e-001 |
| 0.1 | 3.320e-001 | 2.800e-001 | 3.512e-001 | 3.111e-001 | 3.858e-001 | 3.858e-001 |
| 0.2 | 4.560e-001 | 4.352e-001 | 4.793e-001 | 4.119e-001 | 4.977e-001 | 4.977e-001 |
| 0.3 | 5.124e-001 | 5.244e-001 | 5.472e-001 | 4.472e-001 | 5.309e-001 | 5.309e-001 |
| 0.4 | 4.818e-001 | 5.094e-001 | 5.129e-001 | 4.171e-001 | 4.877e-001 | 4.877e-001 |
| 0.5 | 4.478e-001 | 4.707e-001 | 4.801e-001 | 4.014e-001 | 4.391e-001 | 4.391e-001 |
| 0.75 | 3.593e-001 | 3.794e-001 | 3.877e-001 | 3.240e-001 | 3.463e-001 | 3.463e-001 |
| 1 | 2.895e-001 | 3.108e-001 | 2.903e-001 | 2.669e-001 | 2.898e-001 | 2.898e-001 |
| 2 | 1.793e-001 | 2.042e-001 | 1.575e-001 | 1.829e-001 | 1.727e-001 | 1.727e-001 |
| 3 | 1.366e-001 | 1.592e-001 | 1.174e-001 | 1.441e-001 | 1.258e-001 | 1.258e-001 |
| 4 | 1.142e-001 | 1.353e-001 | 9.524e-002 | 1.263e-001 | 1.002e-001 | 1.002e-001 |

Fractile: 0.84

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 3.455e-001 | 3.162e-001 | 4.164e-001 | 2.916e-001 | 3.580e-001 |
| 0.05 | 4.008e-001 | 3.396e-001 | 4.709e-001 | 3.545e-001 | 4.383e-001 |
| 0.1 | 5.606e-001 | 4.537e-001 | 6.429e-001 | 5.299e-001 | 6.158e-001 |
| 0.2 | 7.717e-001 | 7.250e-001 | 8.670e-001 | 6.963e-001 | 7.985e-001 |
| 0.3 | 8.814e-001 | 8.956e-001 | 1.002e+000 | 7.618e-001 | 8.665e-001 |
| 0.4 | 8.367e-001 | 8.845e-001 | 9.343e-001 | 7.176e-001 | 8.103e-001 |
| 0.5 | 7.895e-001 | 8.289e-001 | 8.850e-001 | 7.010e-001 | 7.432e-001 |
| 0.75 | 6.540e-001 | 6.824e-001 | 7.375e-001 | 5.857e-001 | 6.105e-001 |
| 1 | 5.344e-001 | 5.640e-001 | 5.541e-001 | 4.914e-001 | 5.280e-001 |
| 2 | 3.518e-001 | 3.818e-001 | 3.250e-001 | 3.562e-001 | 3.444e-001 |
| 3 | 2.766e-001 | 3.070e-001 | 2.462e-001 | 2.880e-001 | 2.653e-001 |
| 4 | 2.375e-001 | 2.669e-001 | 2.042e-001 | 2.576e-001 | 2.213e-001 |

Source: San Gabriel

Region: USGS 2008 California

Closest Distance: 59.85 km

Amplitude Units: Acceleration (g)

Magnitude: 7.30 Mw

Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.185e-001 | 1.128e-001 | 1.573e-001 | 9.864e-002 | 1.054e-001 |
| 0.05 | 1.314e-001 | 1.175e-001 | 1.698e-001 | 1.141e-001 | 1.244e-001 |
| 0.1 | 1.775e-001 | 1.547e-001 | 2.162e-001 | 1.564e-001 | 1.827e-001 |
| 0.2 | 2.506e-001 | 2.533e-001 | 2.831e-001 | 2.192e-001 | 2.466e-001 |
| 0.3 | 2.773e-001 | 3.026e-001 | 3.043e-001 | 2.459e-001 | 2.565e-001 |
| 0.4 | 2.647e-001 | 2.953e-001 | 2.956e-001 | 2.312e-001 | 2.366e-001 |
| 0.5 | 2.484e-001 | 2.737e-001 | 2.803e-001 | 2.265e-001 | 2.131e-001 |
| 0.75 | 2.048e-001 | 2.257e-001 | 2.315e-001 | 1.918e-001 | 1.702e-001 |
| 1 | 1.708e-001 | 1.884e-001 | 1.885e-001 | 1.604e-001 | 1.461e-001 |
| 2 | 9.315e-002 | 1.010e-001 | 1.008e-001 | 8.976e-002 | 8.098e-002 |
| 3 | 5.969e-002 | 6.463e-002 | 6.579e-002 | 5.814e-002 | 5.019e-002 |
| 4 | 4.265e-002 | 4.647e-002 | 4.704e-002 | 4.310e-002 | 3.398e-002 |

Fractile: 0.84

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 1.987e-001 | 1.866e-001 | 2.756e-001 | 1.621e-001 | 1.706e-001 | |
| 0.05 | 2.255e-001 | 1.954e-001 | 3.049e-001 | 1.939e-001 | 2.078e-001 | |
| 0.1 | 3.087e-001 | 2.598e-001 | 3.957e-001 | 2.736e-001 | 3.059e-001 | |
| 0.2 | 4.357e-001 | 4.356e-001 | 5.120e-001 | 3.800e-001 | 4.154e-001 | |
| 0.3 | 4.879e-001 | 5.301e-001 | 5.571e-001 | 4.279e-001 | 4.365e-001 | |
| 0.4 | 4.684e-001 | 5.234e-001 | 5.384e-001 | 4.042e-001 | 4.076e-001 | |
| 0.5 | 4.449e-001 | 4.899e-001 | 5.166e-001 | 4.008e-001 | 3.721e-001 | |
| 0.75 | 3.761e-001 | 4.094e-001 | 4.397e-001 | 3.489e-001 | 3.062e-001 | |
| 1 | 3.169e-001 | 3.432e-001 | 3.587e-001 | 2.960e-001 | 2.695e-001 | |
| 2 | 1.785e-001 | 1.838e-001 | 2.023e-001 | 1.701e-001 | 1.576e-001 | |
| 3 | 1.153e-001 | 1.186e-001 | 1.313e-001 | 1.106e-001 | 1.008e-001 | |
| 4 | 8.302e-002 | 8.564e-002 | 9.421e-002 | 8.213e-002 | 7.012e-002 | |

Source: San Joaquin Hills
 Region: USGS 2008 California
 Closest Distance: 131.40 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.10 Mw
 Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 5.338e-002 | 5.532e-002 | 5.264e-002 | 6.156e-002 | 4.400e-002 | |
| 0.05 | 5.652e-002 | 5.498e-002 | 5.460e-002 | 6.828e-002 | 4.821e-002 | |
| 0.1 | 7.373e-002 | 7.006e-002 | 6.834e-002 | 8.759e-002 | 6.892e-002 | |
| 0.2 | 1.181e-001 | 1.280e-001 | 1.080e-001 | 1.307e-001 | 1.057e-001 | |
| 0.3 | 1.451e-001 | 1.663e-001 | 1.364e-001 | 1.578e-001 | 1.200e-001 | |
| 0.4 | 1.428e-001 | 1.675e-001 | 1.373e-001 | 1.493e-001 | 1.170e-001 | |
| 0.5 | 1.372e-001 | 1.573e-001 | 1.370e-001 | 1.453e-001 | 1.091e-001 | |
| 0.75 | 1.158e-001 | 1.310e-001 | 1.202e-001 | 1.215e-001 | 9.050e-002 | |
| 1 | 9.418e-002 | 1.061e-001 | 9.654e-002 | 9.620e-002 | 7.793e-002 | |
| 2 | 4.426e-002 | 5.193e-002 | 4.427e-002 | 4.274e-002 | 3.809e-002 | |
| 3 | 2.618e-002 | 3.156e-002 | 2.604e-002 | 2.470e-002 | 2.240e-002 | |
| 4 | 1.818e-002 | 2.193e-002 | 1.780e-002 | 1.815e-002 | 1.485e-002 | |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 9.004e-002 | 9.320e-002 | 9.223e-002 | 1.021e-001 | 7.261e-002 | |
| 0.05 | 9.804e-002 | 9.381e-002 | 9.807e-002 | 1.176e-001 | 8.266e-002 | |

| | | | | | |
|------|------------|------------|------------|------------|------------|
| 0.1 | 1.304e-001 | 1.211e-001 | 1.251e-001 | 1.553e-001 | 1.198e-001 |
| 0.2 | 2.088e-001 | 2.255e-001 | 1.953e-001 | 2.295e-001 | 1.847e-001 |
| 0.3 | 2.586e-001 | 2.967e-001 | 2.497e-001 | 2.774e-001 | 2.107e-001 |
| 0.4 | 2.553e-001 | 3.011e-001 | 2.501e-001 | 2.630e-001 | 2.069e-001 |
| 0.5 | 2.477e-001 | 2.848e-001 | 2.526e-001 | 2.586e-001 | 1.946e-001 |
| 0.75 | 2.137e-001 | 2.393e-001 | 2.282e-001 | 2.218e-001 | 1.653e-001 |
| 1 | 1.753e-001 | 1.942e-001 | 1.837e-001 | 1.780e-001 | 1.455e-001 |
| 2 | 8.470e-002 | 9.453e-002 | 8.880e-002 | 8.098e-002 | 7.447e-002 |
| 3 | 5.047e-002 | 5.790e-002 | 5.198e-002 | 4.696e-002 | 4.504e-002 |
| 4 | 3.531e-002 | 4.039e-002 | 3.564e-002 | 3.457e-002 | 3.063e-002 |

Source: San Jose
 Region: USGS 2008 California
 Closest Distance: 122.16 km
 Amplitude Units: Acceleration (g)
 Magnitude: 6.70 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 3.781e-002 | 3.451e-002 | 4.798e-002 | 4.136e-002 | 2.739e-002 | |
| 0.05 | 4.049e-002 | 3.545e-002 | 4.950e-002 | 4.676e-002 | 3.025e-002 | |
| 0.1 | 5.425e-002 | 4.649e-002 | 6.456e-002 | 6.225e-002 | 4.370e-002 | |
| 0.2 | 8.625e-002 | 7.851e-002 | 1.084e-001 | 9.132e-002 | 6.675e-002 | |
| 0.3 | 1.011e-001 | 9.456e-002 | 1.278e-001 | 1.067e-001 | 7.517e-002 | |
| 0.4 | 9.761e-002 | 9.189e-002 | 1.268e-001 | 9.912e-002 | 7.266e-002 | |
| 0.5 | 9.144e-002 | 8.485e-002 | 1.213e-001 | 9.241e-002 | 6.721e-002 | |
| 0.75 | 7.314e-002 | 6.941e-002 | 9.649e-002 | 7.156e-002 | 5.512e-002 | |
| 1 | 5.926e-002 | 5.632e-002 | 7.802e-002 | 5.517e-002 | 4.752e-002 | |
| 2 | 2.938e-002 | 2.754e-002 | 3.870e-002 | 2.557e-002 | 2.570e-002 | |
| 3 | 1.742e-002 | 1.678e-002 | 2.181e-002 | 1.565e-002 | 1.543e-002 | |
| 4 | 1.222e-002 | 1.169e-002 | 1.572e-002 | 1.129e-002 | 1.016e-002 | |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 6.494e-002 | 6.022e-002 | 8.408e-002 | 6.896e-002 | 4.651e-002 | |
| 0.05 | 7.165e-002 | 6.311e-002 | 8.892e-002 | 8.117e-002 | 5.342e-002 | |
| 0.1 | 9.798e-002 | 8.406e-002 | 1.182e-001 | 1.113e-001 | 7.834e-002 | |
| 0.2 | 1.554e-001 | 1.437e-001 | 1.961e-001 | 1.615e-001 | 1.202e-001 | |
| 0.3 | 1.831e-001 | 1.742e-001 | 2.340e-001 | 1.887e-001 | 1.357e-001 | |
| 0.4 | 1.770e-001 | 1.698e-001 | 2.309e-001 | 1.754e-001 | 1.318e-001 | |
| 0.5 | 1.672e-001 | 1.573e-001 | 2.236e-001 | 1.650e-001 | 1.227e-001 | |
| 0.75 | 1.364e-001 | 1.290e-001 | 1.832e-001 | 1.309e-001 | 1.024e-001 | |

| | | | | | |
|---|------------|------------|------------|------------|------------|
| 1 | 1.113e-001 | 1.044e-001 | 1.485e-001 | 1.022e-001 | 8.992e-002 |
| 2 | 5.677e-002 | 5.048e-002 | 7.762e-002 | 4.845e-002 | 5.053e-002 |
| 3 | 3.383e-002 | 3.089e-002 | 4.353e-002 | 2.975e-002 | 3.114e-002 |
| 4 | 2.389e-002 | 2.156e-002 | 3.148e-002 | 2.150e-002 | 2.103e-002 |

Source: San Juan
 Region: USGS 2008 California
 Closest Distance: 123.91 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.10 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 4.957e-002 | 5.012e-002 | 5.892e-002 | 4.974e-002 | 3.948e-002 | |
| 0.05 | 5.283e-002 | 5.035e-002 | 6.148e-002 | 5.580e-002 | 4.370e-002 | |
| 0.1 | 6.930e-002 | 6.478e-002 | 7.702e-002 | 7.232e-002 | 6.306e-002 | |
| 0.2 | 1.082e-001 | 1.134e-001 | 1.166e-001 | 1.069e-001 | 9.580e-002 | |
| 0.3 | 1.289e-001 | 1.424e-001 | 1.379e-001 | 1.276e-001 | 1.079e-001 | |
| 0.4 | 1.268e-001 | 1.419e-001 | 1.405e-001 | 1.201e-001 | 1.046e-001 | |
| 0.5 | 1.213e-001 | 1.335e-001 | 1.380e-001 | 1.165e-001 | 9.715e-002 | |
| 0.75 | 1.020e-001 | 1.129e-001 | 1.173e-001 | 9.686e-002 | 8.087e-002 | |
| 1 | 8.526e-002 | 9.358e-002 | 9.811e-002 | 7.851e-002 | 7.086e-002 | |
| 2 | 4.554e-002 | 4.853e-002 | 5.258e-002 | 4.079e-002 | 4.025e-002 | |
| 3 | 2.846e-002 | 3.054e-002 | 3.246e-002 | 2.587e-002 | 2.497e-002 | |
| 4 | 2.024e-002 | 2.175e-002 | 2.335e-002 | 1.901e-002 | 1.684e-002 | |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 8.396e-002 | 8.459e-002 | 1.032e-001 | 8.276e-002 | 6.526e-002 | |
| 0.05 | 9.205e-002 | 8.613e-002 | 1.104e-001 | 9.655e-002 | 7.507e-002 | |
| 0.1 | 1.230e-001 | 1.123e-001 | 1.410e-001 | 1.289e-001 | 1.099e-001 | |
| 0.2 | 1.919e-001 | 2.002e-001 | 2.109e-001 | 1.886e-001 | 1.679e-001 | |
| 0.3 | 2.305e-001 | 2.546e-001 | 2.524e-001 | 2.250e-001 | 1.899e-001 | |
| 0.4 | 2.272e-001 | 2.554e-001 | 2.560e-001 | 2.121e-001 | 1.854e-001 | |
| 0.5 | 2.195e-001 | 2.420e-001 | 2.544e-001 | 2.077e-001 | 1.739e-001 | |
| 0.75 | 1.885e-001 | 2.064e-001 | 2.227e-001 | 1.771e-001 | 1.480e-001 | |
| 1 | 1.590e-001 | 1.714e-001 | 1.867e-001 | 1.454e-001 | 1.324e-001 | |
| 2 | 8.744e-002 | 8.835e-002 | 1.055e-001 | 7.729e-002 | 7.867e-002 | |
| 3 | 5.505e-002 | 5.603e-002 | 6.479e-002 | 4.920e-002 | 5.020e-002 | |
| 4 | 3.944e-002 | 4.007e-002 | 4.675e-002 | 3.621e-002 | 3.474e-002 | |

Source: San Luis Range (So Margin)

Region: USGS 2008 California

Closest Distance: 117.35 km

Amplitude Units: Acceleration (g)

Magnitude: 7.20 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 5.821e-002 | 5.869e-002 | 6.813e-002 | 5.473e-002 | 5.127e-002 | |
| 0.05 | 6.223e-002 | 5.900e-002 | 7.128e-002 | 6.147e-002 | 5.719e-002 | |
| 0.1 | 8.178e-002 | 7.609e-002 | 8.880e-002 | 7.960e-002 | 8.263e-002 | |
| 0.2 | 1.278e-001 | 1.373e-001 | 1.329e-001 | 1.174e-001 | 1.235e-001 | |
| 0.3 | 1.540e-001 | 1.750e-001 | 1.636e-001 | 1.399e-001 | 1.376e-001 | |
| 0.4 | 1.510e-001 | 1.764e-001 | 1.629e-001 | 1.320e-001 | 1.327e-001 | |
| 0.5 | 1.453e-001 | 1.674e-001 | 1.616e-001 | 1.292e-001 | 1.229e-001 | |
| 0.75 | 1.237e-001 | 1.424e-001 | 1.417e-001 | 1.092e-001 | 1.016e-001 | |
| 1 | 1.024e-001 | 1.186e-001 | 1.137e-001 | 8.967e-002 | 8.763e-002 | |
| 2 | 5.167e-002 | 6.233e-002 | 5.253e-002 | 4.798e-002 | 4.383e-002 | |
| 3 | 3.207e-002 | 3.950e-002 | 3.168e-002 | 3.070e-002 | 2.638e-002 | |
| 4 | 2.256e-002 | 2.827e-002 | 2.154e-002 | 2.266e-002 | 1.776e-002 | |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 9.837e-002 | 9.878e-002 | 1.194e-001 | 9.094e-002 | 8.439e-002 | |
| 0.05 | 1.081e-001 | 1.005e-001 | 1.280e-001 | 1.062e-001 | 9.772e-002 | |
| 0.1 | 1.446e-001 | 1.313e-001 | 1.625e-001 | 1.416e-001 | 1.430e-001 | |
| 0.2 | 2.258e-001 | 2.415e-001 | 2.403e-001 | 2.066e-001 | 2.147e-001 | |
| 0.3 | 2.746e-001 | 3.120e-001 | 2.995e-001 | 2.464e-001 | 2.406e-001 | |
| 0.4 | 2.700e-001 | 3.169e-001 | 2.968e-001 | 2.330e-001 | 2.336e-001 | |
| 0.5 | 2.624e-001 | 3.031e-001 | 2.979e-001 | 2.302e-001 | 2.185e-001 | |
| 0.75 | 2.285e-001 | 2.601e-001 | 2.692e-001 | 1.996e-001 | 1.850e-001 | |
| 1 | 1.907e-001 | 2.171e-001 | 2.163e-001 | 1.660e-001 | 1.633e-001 | |
| 2 | 9.884e-002 | 1.135e-001 | 1.054e-001 | 9.092e-002 | 8.562e-002 | |
| 3 | 6.178e-002 | 7.248e-002 | 6.324e-002 | 5.838e-002 | 5.302e-002 | |
| 4 | 4.375e-002 | 5.208e-002 | 4.312e-002 | 4.316e-002 | 3.664e-002 | |

Source: Santa Cruz Island

Region: USGS 2008 California

Closest Distance: 26.83 km

Amplitude Units: Acceleration (g)

Magnitude: 7.20 Mw

Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.994e-001 | 1.891e-001 | 2.336e-001 | 1.745e-001 | 2.001e-001 |
| 0.05 | 2.272e-001 | 2.036e-001 | 2.585e-001 | 2.062e-001 | 2.404e-001 |
| 0.1 | 3.152e-001 | 2.703e-001 | 3.449e-001 | 2.997e-001 | 3.458e-001 |
| 0.2 | 4.275e-001 | 4.090e-001 | 4.561e-001 | 3.978e-001 | 4.472e-001 |
| 0.3 | 4.717e-001 | 4.846e-001 | 4.942e-001 | 4.328e-001 | 4.751e-001 |
| 0.4 | 4.437e-001 | 4.647e-001 | 4.724e-001 | 4.034e-001 | 4.343e-001 |
| 0.5 | 4.101e-001 | 4.250e-001 | 4.380e-001 | 3.880e-001 | 3.895e-001 |
| 0.75 | 3.260e-001 | 3.394e-001 | 3.456e-001 | 3.129e-001 | 3.059e-001 |
| 1 | 2.662e-001 | 2.778e-001 | 2.709e-001 | 2.573e-001 | 2.585e-001 |
| 2 | 1.743e-001 | 1.801e-001 | 1.708e-001 | 1.738e-001 | 1.723e-001 |
| 3 | 1.339e-001 | 1.389e-001 | 1.323e-001 | 1.355e-001 | 1.286e-001 |
| 4 | 1.122e-001 | 1.170e-001 | 1.120e-001 | 1.177e-001 | 1.021e-001 |

Fractile: 0.84

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 3.287e-001 | 3.060e-001 | 4.094e-001 | 2.817e-001 | 3.177e-001 |
| 0.05 | 3.815e-001 | 3.285e-001 | 4.643e-001 | 3.426e-001 | 3.908e-001 |
| 0.1 | 5.345e-001 | 4.390e-001 | 6.314e-001 | 5.113e-001 | 5.562e-001 |
| 0.2 | 7.263e-001 | 6.829e-001 | 8.250e-001 | 6.736e-001 | 7.234e-001 |
| 0.3 | 8.133e-001 | 8.292e-001 | 9.046e-001 | 7.385e-001 | 7.810e-001 |
| 0.4 | 7.724e-001 | 8.082e-001 | 8.605e-001 | 6.947e-001 | 7.263e-001 |
| 0.5 | 7.245e-001 | 7.495e-001 | 8.074e-001 | 6.783e-001 | 6.630e-001 |
| 0.75 | 5.940e-001 | 6.111e-001 | 6.575e-001 | 5.660e-001 | 5.414e-001 |
| 1 | 4.919e-001 | 5.044e-001 | 5.171e-001 | 4.740e-001 | 4.722e-001 |
| 2 | 3.428e-001 | 3.367e-001 | 3.524e-001 | 3.385e-001 | 3.436e-001 |
| 3 | 2.719e-001 | 2.679e-001 | 2.776e-001 | 2.709e-001 | 2.712e-001 |
| 4 | 2.342e-001 | 2.309e-001 | 2.402e-001 | 2.401e-001 | 2.255e-001 |

Source: Santa Rosa Island
 Region: USGS 2008 California
 Closest Distance: 68.25 km
 Amplitude Units: Acceleration (g)
 Magnitude: 6.90 Mw
 Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 8.494e-002 | 7.550e-002 | 1.201e-001 | 7.614e-002 | 6.800e-002 |
| 0.05 | 9.360e-002 | 8.007e-002 | 1.262e-001 | 8.839e-002 | 7.977e-002 |
| 0.1 | 1.283e-001 | 1.072e-001 | 1.650e-001 | 1.231e-001 | 1.180e-001 |
| 0.2 | 1.878e-001 | 1.721e-001 | 2.447e-001 | 1.728e-001 | 1.616e-001 |
| 0.3 | 2.059e-001 | 1.991e-001 | 2.639e-001 | 1.922e-001 | 1.682e-001 |
| 0.4 | 1.945e-001 | 1.902e-001 | 2.548e-001 | 1.782e-001 | 1.547e-001 |
| 0.5 | 1.793e-001 | 1.733e-001 | 2.373e-001 | 1.680e-001 | 1.386e-001 |
| 0.75 | 1.411e-001 | 1.389e-001 | 1.837e-001 | 1.327e-001 | 1.092e-001 |
| 1 | 1.144e-001 | 1.137e-001 | 1.461e-001 | 1.054e-001 | 9.235e-002 |
| 2 | 5.771e-002 | 5.752e-002 | 7.188e-002 | 5.233e-002 | 4.910e-002 |
| 3 | 3.493e-002 | 3.572e-002 | 4.168e-002 | 3.270e-002 | 2.964e-002 |
| 4 | 2.469e-002 | 2.518e-002 | 3.006e-002 | 2.382e-002 | 1.969e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.440e-001 | 1.275e-001 | 2.105e-001 | 1.258e-001 | 1.121e-001 |
| 0.05 | 1.628e-001 | 1.367e-001 | 2.267e-001 | 1.515e-001 | 1.361e-001 |
| 0.1 | 2.268e-001 | 1.853e-001 | 3.021e-001 | 2.170e-001 | 2.030e-001 |
| 0.2 | 3.319e-001 | 3.033e-001 | 4.427e-001 | 3.019e-001 | 2.797e-001 |
| 0.3 | 3.672e-001 | 3.558e-001 | 4.832e-001 | 3.365e-001 | 2.934e-001 |
| 0.4 | 3.480e-001 | 3.425e-001 | 4.642e-001 | 3.131e-001 | 2.723e-001 |
| 0.5 | 3.243e-001 | 3.146e-001 | 4.375e-001 | 2.984e-001 | 2.467e-001 |
| 0.75 | 2.611e-001 | 2.544e-001 | 3.488e-001 | 2.420e-001 | 1.992e-001 |
| 1 | 2.134e-001 | 2.085e-001 | 2.780e-001 | 1.948e-001 | 1.723e-001 |
| 2 | 1.111e-001 | 1.049e-001 | 1.442e-001 | 9.916e-002 | 9.598e-002 |
| 3 | 6.765e-002 | 6.561e-002 | 8.319e-002 | 6.217e-002 | 5.963e-002 |
| 4 | 4.815e-002 | 4.640e-002 | 6.018e-002 | 4.537e-002 | 4.067e-002 |

Source: Santa Susana, alt 1

Region: USGS 2008 California

Closest Distance: 43.43 km

Amplitude Units: Acceleration (g)

Magnitude: 6.90 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.274e-001 | 1.107e-001 | 1.691e-001 | 1.115e-001 | 1.183e-001 |
| 0.05 | 1.432e-001 | 1.198e-001 | 1.800e-001 | 1.316e-001 | 1.415e-001 |
| 0.1 | 2.000e-001 | 1.613e-001 | 2.404e-001 | 1.901e-001 | 2.082e-001 |

| | | | | | |
|------|------------|------------|------------|------------|------------|
| 0.2 | 2.861e-001 | 2.560e-001 | 3.562e-001 | 2.584e-001 | 2.738e-001 |
| 0.3 | 3.165e-001 | 3.005e-001 | 4.002e-001 | 2.812e-001 | 2.840e-001 |
| 0.4 | 2.945e-001 | 2.878e-001 | 3.738e-001 | 2.591e-001 | 2.572e-001 |
| 0.5 | 2.701e-001 | 2.631e-001 | 3.468e-001 | 2.424e-001 | 2.282e-001 |
| 0.75 | 2.097e-001 | 2.087e-001 | 2.675e-001 | 1.873e-001 | 1.752e-001 |
| 1 | 1.650e-001 | 1.689e-001 | 1.993e-001 | 1.479e-001 | 1.439e-001 |
| 2 | 8.386e-002 | 9.307e-002 | 8.953e-002 | 8.069e-002 | 7.216e-002 |
| 3 | 5.445e-002 | 6.309e-002 | 5.392e-002 | 5.507e-002 | 4.572e-002 |
| 4 | 4.081e-002 | 4.788e-002 | 3.966e-002 | 4.319e-002 | 3.249e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 2.140e-001 | 1.848e-001 | 2.963e-001 | 1.826e-001 | 1.922e-001 | |
| 0.05 | 2.461e-001 | 2.013e-001 | 3.234e-001 | 2.227e-001 | 2.368e-001 | |
| 0.1 | 3.483e-001 | 2.739e-001 | 4.400e-001 | 3.308e-001 | 3.483e-001 | |
| 0.2 | 4.989e-001 | 4.445e-001 | 6.443e-001 | 4.460e-001 | 4.608e-001 | |
| 0.3 | 5.587e-001 | 5.308e-001 | 7.325e-001 | 4.877e-001 | 4.837e-001 | |
| 0.4 | 5.225e-001 | 5.137e-001 | 6.809e-001 | 4.519e-001 | 4.436e-001 | |
| 0.5 | 4.851e-001 | 4.740e-001 | 6.392e-001 | 4.280e-001 | 3.992e-001 | |
| 0.75 | 3.865e-001 | 3.808e-001 | 5.084e-001 | 3.405e-001 | 3.161e-001 | |
| 1 | 3.072e-001 | 3.093e-001 | 3.798e-001 | 2.732e-001 | 2.666e-001 | |
| 2 | 1.632e-001 | 1.724e-001 | 1.824e-001 | 1.553e-001 | 1.430e-001 | |
| 3 | 1.080e-001 | 1.191e-001 | 1.106e-001 | 1.076e-001 | 9.450e-002 | |
| 4 | 8.230e-002 | 9.164e-002 | 8.246e-002 | 8.544e-002 | 6.968e-002 | |

Source: Santa Ynez (East)

Region: USGS 2008 California

Closest Distance: 31.41 km

Amplitude Units: Acceleration (g)

Magnitude: 7.20 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 1.867e-001 | 1.718e-001 | 2.272e-001 | 1.616e-001 | 1.861e-001 | |
| 0.05 | 2.125e-001 | 1.844e-001 | 2.508e-001 | 1.900e-001 | 2.248e-001 | |
| 0.1 | 2.944e-001 | 2.446e-001 | 3.337e-001 | 2.739e-001 | 3.255e-001 | |
| 0.2 | 4.011e-001 | 3.749e-001 | 4.411e-001 | 3.674e-001 | 4.211e-001 | |
| 0.3 | 4.425e-001 | 4.457e-001 | 4.773e-001 | 4.033e-001 | 4.436e-001 | |
| 0.4 | 4.157e-001 | 4.275e-001 | 4.563e-001 | 3.758e-001 | 4.032e-001 | |
| 0.5 | 3.840e-001 | 3.910e-001 | 4.233e-001 | 3.617e-001 | 3.599e-001 | |
| 0.75 | 3.014e-001 | 3.087e-001 | 3.304e-001 | 2.892e-001 | 2.771e-001 | |
| 1 | 2.436e-001 | 2.506e-001 | 2.573e-001 | 2.355e-001 | 2.310e-001 | |

| | | | | | |
|---|------------|------------|------------|------------|------------|
| 2 | 1.316e-001 | 1.347e-001 | 1.352e-001 | 1.306e-001 | 1.258e-001 |
| 3 | 8.540e-002 | 8.831e-002 | 8.943e-002 | 8.533e-002 | 7.852e-002 |
| 4 | 6.213e-002 | 6.470e-002 | 6.609e-002 | 6.383e-002 | 5.391e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 3.088e-001 | 2.793e-001 | 3.981e-001 | 2.617e-001 | 2.961e-001 |
| 0.05 | 3.583e-001 | 2.994e-001 | 4.505e-001 | 3.168e-001 | 3.665e-001 |
| 0.1 | 5.015e-001 | 4.002e-001 | 6.108e-001 | 4.691e-001 | 5.258e-001 |
| 0.2 | 6.842e-001 | 6.301e-001 | 7.979e-001 | 6.245e-001 | 6.843e-001 |
| 0.3 | 7.658e-001 | 7.667e-001 | 8.738e-001 | 6.903e-001 | 7.325e-001 |
| 0.4 | 7.259e-001 | 7.465e-001 | 8.311e-001 | 6.488e-001 | 6.770e-001 |
| 0.5 | 6.801e-001 | 6.918e-001 | 7.803e-001 | 6.336e-001 | 6.148e-001 |
| 0.75 | 5.502e-001 | 5.569e-001 | 6.286e-001 | 5.236e-001 | 4.918e-001 |
| 1 | 4.509e-001 | 4.555e-001 | 4.910e-001 | 4.342e-001 | 4.228e-001 |
| 2 | 2.587e-001 | 2.516e-001 | 2.786e-001 | 2.540e-001 | 2.507e-001 |
| 3 | 1.731e-001 | 1.699e-001 | 1.872e-001 | 1.701e-001 | 1.652e-001 |
| 4 | 1.292e-001 | 1.272e-001 | 1.412e-001 | 1.298e-001 | 1.187e-001 |

Source: Santa Ynez (West)

Region: USGS 2008 California

Closest Distance: 49.48 km

Amplitude Units: Acceleration (g)

Magnitude: 7.00 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.193e-001 | 1.063e-001 | 1.635e-001 | 1.042e-001 | 1.033e-001 |
| 0.05 | 1.335e-001 | 1.137e-001 | 1.750e-001 | 1.221e-001 | 1.233e-001 |
| 0.1 | 1.846e-001 | 1.522e-001 | 2.304e-001 | 1.735e-001 | 1.822e-001 |
| 0.2 | 2.609e-001 | 2.390e-001 | 3.241e-001 | 2.385e-001 | 2.419e-001 |
| 0.3 | 2.841e-001 | 2.782e-001 | 3.459e-001 | 2.620e-001 | 2.503e-001 |
| 0.4 | 2.667e-001 | 2.655e-001 | 3.311e-001 | 2.428e-001 | 2.274e-001 |
| 0.5 | 2.452e-001 | 2.420e-001 | 3.067e-001 | 2.300e-001 | 2.024e-001 |
| 0.75 | 1.926e-001 | 1.933e-001 | 2.372e-001 | 1.824e-001 | 1.574e-001 |
| 1 | 1.560e-001 | 1.580e-001 | 1.873e-001 | 1.464e-001 | 1.323e-001 |
| 2 | 8.582e-002 | 8.717e-002 | 1.001e-001 | 8.067e-002 | 7.537e-002 |
| 3 | 5.645e-002 | 5.853e-002 | 6.409e-002 | 5.437e-002 | 4.880e-002 |
| 4 | 4.238e-002 | 4.402e-002 | 4.888e-002 | 4.211e-002 | 3.451e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 2.002e-001 | 1.762e-001 | 2.865e-001 | 1.709e-001 | 1.673e-001 | 1.673e-001 |
| 0.05 | 2.293e-001 | 1.897e-001 | 3.144e-001 | 2.072e-001 | 2.060e-001 | 2.060e-001 |
| 0.1 | 3.215e-001 | 2.563e-001 | 4.217e-001 | 3.028e-001 | 3.051e-001 | 3.051e-001 |
| 0.2 | 4.547e-001 | 4.122e-001 | 5.863e-001 | 4.127e-001 | 4.078e-001 | 4.078e-001 |
| 0.3 | 5.009e-001 | 4.884e-001 | 6.332e-001 | 4.553e-001 | 4.267e-001 | 4.267e-001 |
| 0.4 | 4.728e-001 | 4.713e-001 | 6.032e-001 | 4.240e-001 | 3.926e-001 | 3.926e-001 |
| 0.5 | 4.399e-001 | 4.337e-001 | 5.653e-001 | 4.065e-001 | 3.542e-001 | 3.542e-001 |
| 0.75 | 3.545e-001 | 3.512e-001 | 4.508e-001 | 3.318e-001 | 2.840e-001 | 2.840e-001 |
| 1 | 2.901e-001 | 2.884e-001 | 3.568e-001 | 2.703e-001 | 2.448e-001 | 2.448e-001 |
| 2 | 1.664e-001 | 1.602e-001 | 2.027e-001 | 1.543e-001 | 1.483e-001 | 1.483e-001 |
| 3 | 1.111e-001 | 1.093e-001 | 1.302e-001 | 1.052e-001 | 9.974e-002 | 9.974e-002 |
| 4 | 8.459e-002 | 8.306e-002 | 1.002e-001 | 8.216e-002 | 7.291e-002 | 7.291e-002 |

Source: Santa Ynez Connected
 Region: USGS 2008 California
 Closest Distance: 31.41 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.40 Mw
 Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 1.996e-001 | 1.890e-001 | 2.371e-001 | 1.683e-001 | 2.039e-001 | 2.039e-001 |
| 0.05 | 2.266e-001 | 2.001e-001 | 2.640e-001 | 1.970e-001 | 2.453e-001 | 2.453e-001 |
| 0.1 | 3.105e-001 | 2.630e-001 | 3.462e-001 | 2.803e-001 | 3.524e-001 | 3.524e-001 |
| 0.2 | 4.202e-001 | 4.092e-001 | 4.369e-001 | 3.772e-001 | 4.573e-001 | 4.573e-001 |
| 0.3 | 4.690e-001 | 4.956e-001 | 4.765e-001 | 4.182e-001 | 4.858e-001 | 4.858e-001 |
| 0.4 | 4.437e-001 | 4.809e-001 | 4.563e-001 | 3.925e-001 | 4.450e-001 | 4.450e-001 |
| 0.5 | 4.141e-001 | 4.437e-001 | 4.273e-001 | 3.855e-001 | 3.998e-001 | 3.998e-001 |
| 0.75 | 3.351e-001 | 3.578e-001 | 3.472e-001 | 3.215e-001 | 3.138e-001 | 3.138e-001 |
| 1 | 2.760e-001 | 2.945e-001 | 2.743e-001 | 2.698e-001 | 2.654e-001 | 2.654e-001 |
| 2 | 1.701e-001 | 1.783e-001 | 1.653e-001 | 1.743e-001 | 1.627e-001 | 1.627e-001 |
| 3 | 1.230e-001 | 1.285e-001 | 1.258e-001 | 1.260e-001 | 1.117e-001 | 1.117e-001 |
| 4 | 9.661e-002 | 1.018e-001 | 9.963e-002 | 1.021e-001 | 8.296e-002 | 8.296e-002 |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 3.292e-001 | 3.058e-001 | 4.154e-001 | 2.721e-001 | 3.235e-001 |
| 0.05 | 3.808e-001 | 3.229e-001 | 4.742e-001 | 3.278e-001 | 3.983e-001 |
| 0.1 | 5.266e-001 | 4.272e-001 | 6.338e-001 | 4.791e-001 | 5.661e-001 |
| 0.2 | 7.130e-001 | 6.834e-001 | 7.902e-001 | 6.399e-001 | 7.385e-001 |
| 0.3 | 8.081e-001 | 8.480e-001 | 8.722e-001 | 7.147e-001 | 7.974e-001 |
| 0.4 | 7.718e-001 | 8.363e-001 | 8.312e-001 | 6.769e-001 | 7.430e-001 |
| 0.5 | 7.310e-001 | 7.824e-001 | 7.876e-001 | 6.745e-001 | 6.796e-001 |
| 0.75 | 6.103e-001 | 6.440e-001 | 6.605e-001 | 5.818e-001 | 5.547e-001 |
| 1 | 5.099e-001 | 5.346e-001 | 5.234e-001 | 4.971e-001 | 4.843e-001 |
| 2 | 3.341e-001 | 3.330e-001 | 3.405e-001 | 3.390e-001 | 3.239e-001 |
| 3 | 2.491e-001 | 2.471e-001 | 2.632e-001 | 2.511e-001 | 2.350e-001 |
| 4 | 2.008e-001 | 2.002e-001 | 2.129e-001 | 2.076e-001 | 1.826e-001 |

Source: Sierra Madre
 Region: USGS 2008 California
 Closest Distance: 84.69 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.20 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 8.402e-002 | 8.032e-002 | 1.084e-001 | 7.178e-002 | 7.556e-002 |
| 0.05 | 9.158e-002 | 8.275e-002 | 1.145e-001 | 8.198e-002 | 8.716e-002 |
| 0.1 | 1.227e-001 | 1.089e-001 | 1.447e-001 | 1.097e-001 | 1.274e-001 |
| 0.2 | 1.831e-001 | 1.887e-001 | 2.070e-001 | 1.575e-001 | 1.792e-001 |
| 0.3 | 2.114e-001 | 2.314e-001 | 2.417e-001 | 1.816e-001 | 1.910e-001 |
| 0.4 | 2.028e-001 | 2.285e-001 | 2.334e-001 | 1.706e-001 | 1.789e-001 |
| 0.5 | 1.919e-001 | 2.136e-001 | 2.255e-001 | 1.661e-001 | 1.626e-001 |
| 0.75 | 1.594e-001 | 1.770e-001 | 1.907e-001 | 1.392e-001 | 1.309e-001 |
| 1 | 1.306e-001 | 1.472e-001 | 1.495e-001 | 1.146e-001 | 1.112e-001 |
| 2 | 6.522e-002 | 7.759e-002 | 6.734e-002 | 6.170e-002 | 5.427e-002 |
| 3 | 4.042e-002 | 4.924e-002 | 4.049e-002 | 3.953e-002 | 3.242e-002 |
| 4 | 2.842e-002 | 3.523e-002 | 2.751e-002 | 2.917e-002 | 2.177e-002 |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.416e-001 | 1.342e-001 | 1.900e-001 | 1.187e-001 | 1.234e-001 |
| 0.05 | 1.583e-001 | 1.396e-001 | 2.056e-001 | 1.407e-001 | 1.473e-001 |
| 0.1 | 2.154e-001 | 1.858e-001 | 2.649e-001 | 1.937e-001 | 2.171e-001 |
| 0.2 | 3.214e-001 | 3.288e-001 | 3.744e-001 | 2.755e-001 | 3.068e-001 |
| 0.3 | 3.750e-001 | 4.095e-001 | 4.424e-001 | 3.182e-001 | 3.296e-001 |

| | | | | | |
|------|------------|------------|------------|------------|------------|
| 0.4 | 3.612e-001 | 4.082e-001 | 4.250e-001 | 2.999e-001 | 3.117e-001 |
| 0.5 | 3.456e-001 | 3.849e-001 | 4.157e-001 | 2.952e-001 | 2.867e-001 |
| 0.75 | 2.939e-001 | 3.224e-001 | 3.622e-001 | 2.539e-001 | 2.370e-001 |
| 1 | 2.429e-001 | 2.690e-001 | 2.846e-001 | 2.118e-001 | 2.063e-001 |
| 2 | 1.248e-001 | 1.412e-001 | 1.351e-001 | 1.169e-001 | 1.059e-001 |
| 3 | 7.787e-002 | 9.034e-002 | 8.082e-002 | 7.517e-002 | 6.513e-002 |
| 4 | 5.512e-002 | 6.491e-002 | 5.508e-002 | 5.557e-002 | 4.490e-002 |

Source: Sierra Madre (San Fernando)
 Region: USGS 2008 California
 Closest Distance: 67.82 km
 Amplitude Units: Acceleration (g)
 Magnitude: 6.70 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 7.682e-002 | 6.428e-002 | 1.086e-001 | 7.078e-002 | 6.358e-002 |
| 0.05 | 8.494e-002 | 6.903e-002 | 1.136e-001 | 8.254e-002 | 7.453e-002 |
| 0.1 | 1.179e-001 | 9.335e-002 | 1.515e-001 | 1.165e-001 | 1.103e-001 |
| 0.2 | 1.763e-001 | 1.516e-001 | 2.398e-001 | 1.629e-001 | 1.510e-001 |
| 0.3 | 1.956e-001 | 1.748e-001 | 2.714e-001 | 1.793e-001 | 1.568e-001 |
| 0.4 | 1.821e-001 | 1.669e-001 | 2.527e-001 | 1.651e-001 | 1.438e-001 |
| 0.5 | 1.670e-001 | 1.522e-001 | 2.350e-001 | 1.526e-001 | 1.284e-001 |
| 0.75 | 1.294e-001 | 1.209e-001 | 1.806e-001 | 1.163e-001 | 9.973e-002 |
| 1 | 1.014e-001 | 9.777e-002 | 1.355e-001 | 9.001e-002 | 8.228e-002 |
| 2 | 4.550e-002 | 4.790e-002 | 5.462e-002 | 4.221e-002 | 3.729e-002 |
| 3 | 2.637e-002 | 2.923e-002 | 2.897e-002 | 2.592e-002 | 2.137e-002 |
| 4 | 1.816e-002 | 2.036e-002 | 1.961e-002 | 1.872e-002 | 1.394e-002 |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.312e-001 | 1.110e-001 | 1.903e-001 | 1.171e-001 | 1.065e-001 |
| 0.05 | 1.490e-001 | 1.210e-001 | 2.041e-001 | 1.417e-001 | 1.293e-001 |
| 0.1 | 2.105e-001 | 1.658e-001 | 2.774e-001 | 2.058e-001 | 1.928e-001 |
| 0.2 | 3.144e-001 | 2.736e-001 | 4.337e-001 | 2.851e-001 | 2.652e-001 |
| 0.3 | 3.517e-001 | 3.186e-001 | 4.969e-001 | 3.143e-001 | 2.772e-001 |
| 0.4 | 3.281e-001 | 3.058e-001 | 4.603e-001 | 2.904e-001 | 2.561e-001 |
| 0.5 | 3.039e-001 | 2.803e-001 | 4.331e-001 | 2.712e-001 | 2.309e-001 |
| 0.75 | 2.406e-001 | 2.239e-001 | 3.429e-001 | 2.121e-001 | 1.834e-001 |
| 1 | 1.899e-001 | 1.808e-001 | 2.578e-001 | 1.664e-001 | 1.545e-001 |
| 2 | 8.762e-002 | 8.775e-002 | 1.096e-001 | 7.998e-002 | 7.320e-002 |
| 3 | 5.101e-002 | 5.381e-002 | 5.783e-002 | 4.928e-002 | 4.312e-002 |

4 3.533e-002 3.756e-002 3.925e-002 3.566e-002 2.885e-002

Source: Sierra Madre Connected
 Region: USGS 2008 California
 Closest Distance: 67.82 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.30 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 1.091e-001 | 1.028e-001 | 1.419e-001 | 8.942e-002 | 1.024e-001 | |
| 0.05 | 1.203e-001 | 1.065e-001 | 1.517e-001 | 1.029e-001 | 1.199e-001 | |
| 0.1 | 1.618e-001 | 1.400e-001 | 1.923e-001 | 1.396e-001 | 1.754e-001 | |
| 0.2 | 2.345e-001 | 2.393e-001 | 2.618e-001 | 1.974e-001 | 2.395e-001 | |
| 0.3 | 2.667e-001 | 2.927e-001 | 2.992e-001 | 2.240e-001 | 2.510e-001 | |
| 0.4 | 2.549e-001 | 2.898e-001 | 2.861e-001 | 2.107e-001 | 2.329e-001 | |
| 0.5 | 2.409e-001 | 2.715e-001 | 2.750e-001 | 2.067e-001 | 2.106e-001 | |
| 0.75 | 2.008e-001 | 2.260e-001 | 2.334e-001 | 1.755e-001 | 1.685e-001 | |
| 1 | 1.651e-001 | 1.887e-001 | 1.824e-001 | 1.466e-001 | 1.429e-001 | |
| 2 | 8.390e-002 | 1.010e-001 | 8.312e-002 | 8.171e-002 | 6.982e-002 | |
| 3 | 5.268e-002 | 6.454e-002 | 5.149e-002 | 5.287e-002 | 4.181e-002 | |
| 4 | 3.716e-002 | 4.639e-002 | 3.492e-002 | 3.918e-002 | 2.816e-002 | |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 1.831e-001 | 1.707e-001 | 2.486e-001 | 1.473e-001 | 1.659e-001 | |
| 0.05 | 2.066e-001 | 1.779e-001 | 2.725e-001 | 1.755e-001 | 2.006e-001 | |
| 0.1 | 2.819e-001 | 2.362e-001 | 3.520e-001 | 2.449e-001 | 2.944e-001 | |
| 0.2 | 4.085e-001 | 4.131e-001 | 4.735e-001 | 3.433e-001 | 4.040e-001 | |
| 0.3 | 4.701e-001 | 5.144e-001 | 5.476e-001 | 3.907e-001 | 4.277e-001 | |
| 0.4 | 4.516e-001 | 5.148e-001 | 5.211e-001 | 3.691e-001 | 4.015e-001 | |
| 0.5 | 4.320e-001 | 4.870e-001 | 5.070e-001 | 3.663e-001 | 3.678e-001 | |
| 0.75 | 3.691e-001 | 4.105e-001 | 4.433e-001 | 3.195e-001 | 3.032e-001 | |
| 1 | 3.064e-001 | 3.441e-001 | 3.471e-001 | 2.707e-001 | 2.638e-001 | |
| 2 | 1.603e-001 | 1.837e-001 | 1.667e-001 | 1.548e-001 | 1.360e-001 | |
| 3 | 1.014e-001 | 1.184e-001 | 1.028e-001 | 1.005e-001 | 8.399e-002 | |
| 4 | 7.202e-002 | 8.546e-002 | 6.991e-002 | 7.464e-002 | 5.808e-002 | |

Source: Simi-Santa Rosa
 Region: USGS 2008 California

Closest Distance: 9.94 km
 Amplitude Units: Acceleration (g)
 Magnitude: 6.90 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 3.681e-001 | 4.280e-001 | 3.260e-001 | 3.241e-001 | 3.945e-001 |
| 0.05 | 4.218e-001 | 4.674e-001 | 3.710e-001 | 3.788e-001 | 4.701e-001 |
| 0.1 | 5.747e-001 | 6.042e-001 | 5.273e-001 | 5.349e-001 | 6.324e-001 |
| 0.2 | 7.618e-001 | 8.164e-001 | 7.497e-001 | 6.843e-001 | 7.966e-001 |
| 0.3 | 8.388e-001 | 9.366e-001 | 8.104e-001 | 7.431e-001 | 8.651e-001 |
| 0.4 | 8.064e-001 | 9.004e-001 | 7.952e-001 | 7.177e-001 | 8.121e-001 |
| 0.5 | 7.472e-001 | 8.204e-001 | 7.335e-001 | 6.894e-001 | 7.455e-001 |
| 0.75 | 5.901e-001 | 6.463e-001 | 5.621e-001 | 5.438e-001 | 6.083e-001 |
| 1 | 4.814e-001 | 5.232e-001 | 4.373e-001 | 4.430e-001 | 5.220e-001 |
| 2 | 3.139e-001 | 3.416e-001 | 2.676e-001 | 2.961e-001 | 3.504e-001 |
| 3 | 2.278e-001 | 2.383e-001 | 1.933e-001 | 2.246e-001 | 2.548e-001 |
| 4 | 1.845e-001 | 1.848e-001 | 1.634e-001 | 1.908e-001 | 1.989e-001 |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 5.894e-001 | 6.601e-001 | 5.712e-001 | 5.093e-001 | 6.170e-001 |
| 0.05 | 6.834e-001 | 7.113e-001 | 6.664e-001 | 6.094e-001 | 7.462e-001 |
| 0.1 | 9.376e-001 | 9.219e-001 | 9.653e-001 | 8.831e-001 | 9.801e-001 |
| 0.2 | 1.249e+000 | 1.282e+000 | 1.356e+000 | 1.119e+000 | 1.239e+000 |
| 0.3 | 1.401e+000 | 1.518e+000 | 1.484e+000 | 1.228e+000 | 1.374e+000 |
| 0.4 | 1.366e+000 | 1.495e+000 | 1.448e+000 | 1.204e+000 | 1.318e+000 |
| 0.5 | 1.290e+000 | 1.393e+000 | 1.352e+000 | 1.179e+000 | 1.236e+000 |
| 0.75 | 1.058e+000 | 1.137e+000 | 1.069e+000 | 9.701e-001 | 1.057e+000 |
| 1 | 8.798e-001 | 9.347e-001 | 8.345e-001 | 8.087e-001 | 9.412e-001 |
| 2 | 6.159e-001 | 6.387e-001 | 5.520e-001 | 5.762e-001 | 6.968e-001 |
| 3 | 4.629e-001 | 4.600e-001 | 4.055e-001 | 4.489e-001 | 5.374e-001 |
| 4 | 3.860e-001 | 3.647e-001 | 3.503e-001 | 3.893e-001 | 4.397e-001 |

Source: So Sierra Nevada
 Region: USGS 2008 California
 Closest Distance: 161.24 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.50 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 3.977e-002 | 5.012e-002 | 3.470e-002 | 4.394e-002 | 3.033e-002 | |
| 0.05 | 4.153e-002 | 4.798e-002 | 3.748e-002 | 4.831e-002 | 3.235e-002 | |
| 0.1 | 5.286e-002 | 5.870e-002 | 4.612e-002 | 6.071e-002 | 4.593e-002 | |
| 0.2 | 8.798e-002 | 1.103e-001 | 6.553e-002 | 1.007e-001 | 7.543e-002 | |
| 0.3 | 1.130e-001 | 1.519e-001 | 8.181e-002 | 1.273e-001 | 9.101e-002 | |
| 0.4 | 1.158e-001 | 1.600e-001 | 8.811e-002 | 1.218e-001 | 9.313e-002 | |
| 0.5 | 1.157e-001 | 1.572e-001 | 9.181e-002 | 1.234e-001 | 9.037e-002 | |
| 0.75 | 1.035e-001 | 1.431e-001 | 7.869e-002 | 1.109e-001 | 8.119e-002 | |
| 1 | 8.909e-002 | 1.208e-001 | 6.645e-002 | 9.433e-002 | 7.480e-002 | |
| 2 | 5.095e-002 | 6.541e-002 | 3.723e-002 | 5.460e-002 | 4.655e-002 | |
| 3 | 3.305e-002 | 4.215e-002 | 2.432e-002 | 3.582e-002 | 2.991e-002 | |
| 4 | 2.399e-002 | 3.052e-002 | 1.810e-002 | 2.678e-002 | 2.058e-002 | |

Fractile: 0.84

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 6.723e-002 | 8.460e-002 | 6.080e-002 | 7.321e-002 | 5.032e-002 | |
| 0.05 | 7.225e-002 | 8.207e-002 | 6.733e-002 | 8.378e-002 | 5.584e-002 | |
| 0.1 | 9.380e-002 | 1.018e-001 | 8.442e-002 | 1.085e-001 | 8.057e-002 | |
| 0.2 | 1.560e-001 | 1.947e-001 | 1.185e-001 | 1.779e-001 | 1.330e-001 | |
| 0.3 | 2.018e-001 | 2.715e-001 | 1.498e-001 | 2.249e-001 | 1.610e-001 | |
| 0.4 | 2.074e-001 | 2.881e-001 | 1.605e-001 | 2.155e-001 | 1.656e-001 | |
| 0.5 | 2.091e-001 | 2.849e-001 | 1.692e-001 | 2.202e-001 | 1.620e-001 | |
| 0.75 | 1.906e-001 | 2.616e-001 | 1.494e-001 | 2.029e-001 | 1.486e-001 | |
| 1 | 1.655e-001 | 2.212e-001 | 1.264e-001 | 1.747e-001 | 1.397e-001 | |
| 2 | 9.704e-002 | 1.191e-001 | 7.469e-002 | 1.035e-001 | 9.090e-002 | |
| 3 | 6.352e-002 | 7.733e-002 | 4.853e-002 | 6.812e-002 | 6.011e-002 | |
| 4 | 4.648e-002 | 5.623e-002 | 3.623e-002 | 5.101e-002 | 4.244e-002 | |

Source: Ventura-Pitas Point
 Region: USGS 2008 California
 Closest Distance: 8.03 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.00 Mw
 Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|--|---|---|---|---|---|---|
|--|---|---|---|---|---|---|

| | | | | | |
|------|------------|------------|------------|------------|------------|
| PGA | 4.006e-001 | 3.936e-001 | 3.380e-001 | 4.179e-001 | 4.531e-001 |
| 0.05 | 4.534e-001 | 4.260e-001 | 3.850e-001 | 4.713e-001 | 5.315e-001 |
| 0.1 | 6.088e-001 | 5.572e-001 | 5.474e-001 | 6.304e-001 | 7.001e-001 |
| 0.2 | 8.171e-001 | 7.813e-001 | 7.925e-001 | 8.079e-001 | 8.868e-001 |
| 0.3 | 9.302e-001 | 9.150e-001 | 9.098e-001 | 9.120e-001 | 9.839e-001 |
| 0.4 | 9.057e-001 | 8.933e-001 | 8.747e-001 | 9.130e-001 | 9.418e-001 |
| 0.5 | 8.567e-001 | 8.243e-001 | 8.169e-001 | 9.068e-001 | 8.789e-001 |
| 0.75 | 7.003e-001 | 6.608e-001 | 6.506e-001 | 7.529e-001 | 7.369e-001 |
| 1 | 5.695e-001 | 5.398e-001 | 4.845e-001 | 6.169e-001 | 6.368e-001 |
| 2 | 3.518e-001 | 3.626e-001 | 2.597e-001 | 3.875e-001 | 3.973e-001 |
| 3 | 2.591e-001 | 2.798e-001 | 1.855e-001 | 2.807e-001 | 2.904e-001 |
| 4 | 2.147e-001 | 2.337e-001 | 1.501e-001 | 2.449e-001 | 2.301e-001 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 6.375e-001 | 6.073e-001 | 5.922e-001 | 6.491e-001 | 6.491e-001 | 7.016e-001 |
| 0.05 | 7.310e-001 | 6.487e-001 | 6.916e-001 | 7.490e-001 | 7.490e-001 | 8.345e-001 |
| 0.1 | 9.884e-001 | 8.510e-001 | 1.002e+000 | 1.029e+000 | 1.029e+000 | 1.072e+000 |
| 0.2 | 1.332e+000 | 1.229e+000 | 1.433e+000 | 1.302e+000 | 1.302e+000 | 1.362e+000 |
| 0.3 | 1.545e+000 | 1.486e+000 | 1.665e+000 | 1.485e+000 | 1.485e+000 | 1.544e+000 |
| 0.4 | 1.526e+000 | 1.486e+000 | 1.593e+000 | 1.513e+000 | 1.513e+000 | 1.511e+000 |
| 0.5 | 1.471e+000 | 1.401e+000 | 1.506e+000 | 1.535e+000 | 1.535e+000 | 1.442e+000 |
| 0.75 | 1.251e+000 | 1.162e+000 | 1.238e+000 | 1.333e+000 | 1.333e+000 | 1.270e+000 |
| 1 | 1.038e+000 | 9.640e-001 | 9.246e-001 | 1.121e+000 | 1.121e+000 | 1.141e+000 |
| 2 | 6.887e-001 | 6.768e-001 | 5.357e-001 | 7.536e-001 | 7.536e-001 | 7.886e-001 |
| 3 | 5.253e-001 | 5.396e-001 | 3.891e-001 | 5.610e-001 | 5.610e-001 | 6.115e-001 |
| 4 | 4.477e-001 | 4.611e-001 | 3.218e-001 | 4.995e-001 | 4.995e-001 | 5.082e-001 |

Source: Verdugo

Region: USGS 2008 California

Closest Distance: 72.62 km

Amplitude Units: Acceleration (g)

Magnitude: 6.90 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 8.138e-002 | 7.157e-002 | 1.121e-001 | 7.216e-002 | 7.216e-002 | 6.972e-002 |
| 0.05 | 8.937e-002 | 7.565e-002 | 1.169e-001 | 8.354e-002 | 8.354e-002 | 8.136e-002 |
| 0.1 | 1.224e-001 | 1.012e-001 | 1.528e-001 | 1.156e-001 | 1.156e-001 | 1.199e-001 |
| 0.2 | 1.831e-001 | 1.685e-001 | 2.352e-001 | 1.632e-001 | 1.632e-001 | 1.654e-001 |
| 0.3 | 2.060e-001 | 1.992e-001 | 2.691e-001 | 1.825e-001 | 1.825e-001 | 1.731e-001 |
| 0.4 | 1.944e-001 | 1.929e-001 | 2.553e-001 | 1.694e-001 | 1.694e-001 | 1.599e-001 |

| | | | | | |
|------|------------|------------|------------|------------|------------|
| 0.5 | 1.805e-001 | 1.777e-001 | 2.407e-001 | 1.598e-001 | 1.437e-001 |
| 0.75 | 1.436e-001 | 1.437e-001 | 1.911e-001 | 1.264e-001 | 1.132e-001 |
| 1 | 1.145e-001 | 1.176e-001 | 1.456e-001 | 1.003e-001 | 9.450e-002 |
| 2 | 5.361e-002 | 5.948e-002 | 6.102e-002 | 4.974e-002 | 4.420e-002 |
| 3 | 3.187e-002 | 3.693e-002 | 3.368e-002 | 3.107e-002 | 2.580e-002 |
| 4 | 2.220e-002 | 2.603e-002 | 2.308e-002 | 2.263e-002 | 1.705e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 1.379e-001 | 1.210e-001 | 1.964e-001 | 1.194e-001 | 1.149e-001 | |
| 0.05 | 1.554e-001 | 1.294e-001 | 2.100e-001 | 1.434e-001 | 1.388e-001 | |
| 0.1 | 2.163e-001 | 1.752e-001 | 2.797e-001 | 2.042e-001 | 2.062e-001 | |
| 0.2 | 3.236e-001 | 2.975e-001 | 4.255e-001 | 2.855e-001 | 2.859e-001 | |
| 0.3 | 3.676e-001 | 3.564e-001 | 4.925e-001 | 3.199e-001 | 3.016e-001 | |
| 0.4 | 3.479e-001 | 3.478e-001 | 4.650e-001 | 2.979e-001 | 2.811e-001 | |
| 0.5 | 3.265e-001 | 3.228e-001 | 4.437e-001 | 2.840e-001 | 2.554e-001 | |
| 0.75 | 2.658e-001 | 2.633e-001 | 3.630e-001 | 2.306e-001 | 2.063e-001 | |
| 1 | 2.136e-001 | 2.158e-001 | 2.770e-001 | 1.855e-001 | 1.762e-001 | |
| 2 | 1.029e-001 | 1.085e-001 | 1.224e-001 | 9.425e-002 | 8.645e-002 | |
| 3 | 6.151e-002 | 6.783e-002 | 6.722e-002 | 5.908e-002 | 5.191e-002 | |
| 4 | 4.313e-002 | 4.797e-002 | 4.621e-002 | 4.311e-002 | 3.521e-002 | |

Source: White Wolf

Region: USGS 2008 California

Closest Distance: 90.27 km

Amplitude Units: Acceleration (g)

Magnitude: 7.20 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 7.946e-002 | 7.638e-002 | 1.019e-001 | 6.840e-002 | 7.110e-002 | |
| 0.05 | 8.635e-002 | 7.842e-002 | 1.074e-001 | 7.786e-002 | 8.167e-002 | |
| 0.1 | 1.154e-001 | 1.031e-001 | 1.355e-001 | 1.035e-001 | 1.193e-001 | |
| 0.2 | 1.733e-001 | 1.797e-001 | 1.950e-001 | 1.494e-001 | 1.693e-001 | |
| 0.3 | 2.013e-001 | 2.211e-001 | 2.292e-001 | 1.734e-001 | 1.816e-001 | |
| 0.4 | 1.936e-001 | 2.186e-001 | 2.221e-001 | 1.630e-001 | 1.707e-001 | |
| 0.5 | 1.836e-001 | 2.045e-001 | 2.153e-001 | 1.589e-001 | 1.556e-001 | |
| 0.75 | 1.529e-001 | 1.696e-001 | 1.829e-001 | 1.334e-001 | 1.256e-001 | |
| 1 | 1.254e-001 | 1.411e-001 | 1.438e-001 | 1.097e-001 | 1.069e-001 | |
| 2 | 6.263e-002 | 7.434e-002 | 6.496e-002 | 5.894e-002 | 5.226e-002 | |
| 3 | 3.876e-002 | 4.716e-002 | 3.907e-002 | 3.768e-002 | 3.115e-002 | |
| 4 | 2.724e-002 | 3.375e-002 | 2.655e-002 | 2.776e-002 | 2.089e-002 | |

Fractile: 0.84

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 1.340e-001 | 1.278e-001 | 1.786e-001 | 1.132e-001 | 1.163e-001 | 1.383e-001 |
| 0.05 | 1.494e-001 | 1.325e-001 | 1.930e-001 | 1.338e-001 | 1.383e-001 | 1.383e-001 |
| 0.1 | 2.028e-001 | 1.762e-001 | 2.481e-001 | 1.831e-001 | 2.038e-001 | 2.038e-001 |
| 0.2 | 3.047e-001 | 3.138e-001 | 3.526e-001 | 2.617e-001 | 2.907e-001 | 2.907e-001 |
| 0.3 | 3.574e-001 | 3.919e-001 | 4.195e-001 | 3.042e-001 | 3.141e-001 | 3.141e-001 |
| 0.4 | 3.451e-001 | 3.909e-001 | 4.045e-001 | 2.868e-001 | 2.981e-001 | 2.981e-001 |
| 0.5 | 3.307e-001 | 3.688e-001 | 3.969e-001 | 2.825e-001 | 2.747e-001 | 2.747e-001 |
| 0.75 | 2.819e-001 | 3.091e-001 | 3.474e-001 | 2.434e-001 | 2.278e-001 | 2.278e-001 |
| 1 | 2.333e-001 | 2.579e-001 | 2.737e-001 | 2.029e-001 | 1.985e-001 | 1.985e-001 |
| 2 | 1.198e-001 | 1.353e-001 | 1.303e-001 | 1.117e-001 | 1.020e-001 | 1.020e-001 |
| 3 | 7.469e-002 | 8.653e-002 | 7.798e-002 | 7.165e-002 | 6.259e-002 | 6.259e-002 |
| 4 | 5.283e-002 | 6.217e-002 | 5.314e-002 | 5.289e-002 | 4.310e-002 | 4.310e-002 |

Source: California Gridded
 Region: USGS 2008 California
 Closest Distance: 5.00 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.00 Mw
 Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 4.705e-001 | 4.990e-001 | 4.538e-001 | 4.060e-001 | 5.252e-001 | 6.020e-001 |
| 0.05 | 5.279e-001 | 5.116e-001 | 5.516e-001 | 4.510e-001 | 6.020e-001 | 6.020e-001 |
| 0.1 | 6.777e-001 | 6.390e-001 | 7.702e-001 | 5.574e-001 | 7.497e-001 | 7.497e-001 |
| 0.2 | 9.025e-001 | 8.699e-001 | 1.089e+000 | 7.115e-001 | 9.394e-001 | 9.394e-001 |
| 0.3 | 9.748e-001 | 9.700e-001 | 1.169e+000 | 7.749e-001 | 9.856e-001 | 9.856e-001 |
| 0.4 | 9.735e-001 | 9.645e-001 | 1.156e+000 | 8.067e-001 | 9.666e-001 | 9.666e-001 |
| 0.5 | 9.284e-001 | 8.847e-001 | 1.084e+000 | 8.255e-001 | 9.200e-001 | 9.200e-001 |
| 0.75 | 7.761e-001 | 7.011e-001 | 8.821e-001 | 7.188e-001 | 8.024e-001 | 8.024e-001 |
| 1 | 6.334e-001 | 5.658e-001 | 6.599e-001 | 6.011e-001 | 7.069e-001 | 7.069e-001 |
| 2 | 3.203e-001 | 3.027e-001 | 3.290e-001 | 3.214e-001 | 3.778e-001 | 3.778e-001 |
| 3 | 1.964e-001 | 1.806e-001 | 2.016e-001 | 1.914e-001 | 2.258e-001 | 2.258e-001 |
| 4 | 1.351e-001 | 1.203e-001 | 1.420e-001 | 1.400e-001 | 1.474e-001 | 1.474e-001 |

Fractile: 0.84

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 7.436e-001 | 7.488e-001 | 7.951e-001 | 6.269e-001 | 8.069e-001 | |
| 0.05 | 8.468e-001 | 7.574e-001 | 9.908e-001 | 7.126e-001 | 9.352e-001 | |
| 0.1 | 1.096e+000 | 9.485e-001 | 1.410e+000 | 9.045e-001 | 1.132e+000 | |
| 0.2 | 1.464e+000 | 1.326e+000 | 1.970e+000 | 1.139e+000 | 1.422e+000 | |
| 0.3 | 1.610e+000 | 1.525e+000 | 2.139e+000 | 1.252e+000 | 1.526e+000 | |
| 0.4 | 1.630e+000 | 1.556e+000 | 2.106e+000 | 1.327e+000 | 1.532e+000 | |
| 0.5 | 1.585e+000 | 1.463e+000 | 1.997e+000 | 1.388e+000 | 1.493e+000 | |
| 0.75 | 1.380e+000 | 1.208e+000 | 1.675e+000 | 1.265e+000 | 1.370e+000 | |
| 1 | 1.148e+000 | 9.944e-001 | 1.256e+000 | 1.086e+000 | 1.257e+000 | |
| 2 | 6.130e-001 | 5.484e-001 | 6.600e-001 | 6.076e-001 | 7.278e-001 | |
| 3 | 3.811e-001 | 3.314e-001 | 4.025e-001 | 3.639e-001 | 4.523e-001 | |
| 4 | 2.648e-001 | 2.216e-001 | 2.842e-001 | 2.667e-001 | 3.039e-001 | |

Source: Anacapa-Dume
 Region: USGS 2008 California
 Closest Distance: 19.71 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.20 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 3.107e-001 | 3.475e-001 | 3.072e-001 | 2.851e-001 | 3.475e-001 | |
| 0.05 | 3.557e-001 | 3.741e-001 | 3.472e-001 | 3.251e-001 | 4.225e-001 | |
| 0.1 | 4.870e-001 | 4.804e-001 | 4.808e-001 | 4.640e-001 | 5.812e-001 | |
| 0.2 | 6.630e-001 | 7.222e-001 | 6.664e-001 | 6.135e-001 | 7.352e-001 | |
| 0.3 | 7.497e-001 | 8.765e-001 | 7.673e-001 | 6.779e-001 | 7.875e-001 | |
| 0.4 | 7.133e-001 | 8.584e-001 | 7.273e-001 | 6.499e-001 | 7.291e-001 | |
| 0.5 | 6.662e-001 | 7.919e-001 | 6.810e-001 | 6.369e-001 | 6.615e-001 | |
| 0.75 | 5.340e-001 | 6.260e-001 | 5.492e-001 | 5.225e-001 | 5.225e-001 | |
| 1 | 4.285e-001 | 5.042e-001 | 4.073e-001 | 4.249e-001 | 4.347e-001 | |
| 2 | 2.289e-001 | 2.900e-001 | 1.949e-001 | 2.252e-001 | 2.144e-001 | |
| 3 | 1.430e-001 | 1.766e-001 | 1.302e-001 | 1.408e-001 | 1.297e-001 | |
| 4 | 1.030e-001 | 1.234e-001 | 9.527e-002 | 1.093e-001 | 9.151e-002 | |

Fractile: 0.84
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 4.997e-001 | 5.410e-001 | 5.383e-001 | 4.508e-001 | 5.420e-001 | |
| 0.05 | 5.816e-001 | 5.757e-001 | 6.236e-001 | 5.266e-001 | 6.695e-001 | |

| | | | | | |
|------|------------|------------|------------|------------|------------|
| 0.1 | 8.014e-001 | 7.415e-001 | 8.801e-001 | 7.712e-001 | 9.009e-001 |
| 0.2 | 1.095e+000 | 1.149e+000 | 1.205e+000 | 1.011e+000 | 1.145e+000 |
| 0.3 | 1.263e+000 | 1.438e+000 | 1.404e+000 | 1.128e+000 | 1.253e+000 |
| 0.4 | 1.217e+000 | 1.441e+000 | 1.325e+000 | 1.097e+000 | 1.185e+000 |
| 0.5 | 1.158e+000 | 1.356e+000 | 1.255e+000 | 1.095e+000 | 1.098e+000 |
| 0.75 | 9.622e-001 | 1.106e+000 | 1.045e+000 | 9.353e-001 | 9.091e-001 |
| 1 | 7.852e-001 | 9.038e-001 | 7.772e-001 | 7.774e-001 | 7.846e-001 |
| 2 | 4.478e-001 | 5.415e-001 | 4.022e-001 | 4.383e-001 | 4.266e-001 |
| 3 | 2.894e-001 | 3.405e-001 | 2.731e-001 | 2.814e-001 | 2.733e-001 |
| 4 | 2.142e-001 | 2.435e-001 | 2.042e-001 | 2.231e-001 | 2.021e-001 |

Source: Chino

Region: USGS 2008 California

Closest Distance: 130.41 km

Amplitude Units: Acceleration (g)

Magnitude: 6.80 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 3.667e-002 | 3.463e-002 | 4.460e-002 | 4.052e-002 | 2.694e-002 | |
| 0.05 | 3.893e-002 | 3.507e-002 | 4.566e-002 | 4.553e-002 | 2.945e-002 | |
| 0.1 | 5.154e-002 | 4.533e-002 | 5.876e-002 | 5.975e-002 | 4.231e-002 | |
| 0.2 | 8.297e-002 | 7.822e-002 | 9.949e-002 | 8.837e-002 | 6.579e-002 | |
| 0.3 | 9.903e-002 | 9.682e-002 | 1.195e-001 | 1.046e-001 | 7.521e-002 | |
| 0.4 | 9.703e-002 | 9.564e-002 | 1.214e-001 | 9.763e-002 | 7.350e-002 | |
| 0.5 | 9.194e-002 | 8.942e-002 | 1.178e-001 | 9.204e-002 | 6.853e-002 | |
| 0.75 | 7.508e-002 | 7.474e-002 | 9.587e-002 | 7.271e-002 | 5.699e-002 | |
| 1 | 6.150e-002 | 6.103e-002 | 7.858e-002 | 5.675e-002 | 4.963e-002 | |
| 2 | 3.117e-002 | 3.032e-002 | 3.987e-002 | 2.703e-002 | 2.746e-002 | |
| 3 | 1.868e-002 | 1.863e-002 | 2.272e-002 | 1.668e-002 | 1.669e-002 | |
| 4 | 1.321e-002 | 1.306e-002 | 1.661e-002 | 1.209e-002 | 1.108e-002 | |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 6.275e-002 | 5.986e-002 | 7.815e-002 | 6.759e-002 | 4.542e-002 | |
| 0.05 | 6.862e-002 | 6.175e-002 | 8.203e-002 | 7.907e-002 | 5.165e-002 | |
| 0.1 | 9.272e-002 | 8.104e-002 | 1.076e-001 | 1.069e-001 | 7.537e-002 | |
| 0.2 | 1.490e-001 | 1.418e-001 | 1.800e-001 | 1.564e-001 | 1.178e-001 | |
| 0.3 | 1.789e-001 | 1.769e-001 | 2.187e-001 | 1.850e-001 | 1.351e-001 | |
| 0.4 | 1.755e-001 | 1.754e-001 | 2.211e-001 | 1.728e-001 | 1.326e-001 | |
| 0.5 | 1.677e-001 | 1.647e-001 | 2.171e-001 | 1.644e-001 | 1.246e-001 | |
| 0.75 | 1.397e-001 | 1.383e-001 | 1.821e-001 | 1.331e-001 | 1.055e-001 | |

| | | | | | |
|---|------------|------------|------------|------------|------------|
| 1 | 1.153e-001 | 1.128e-001 | 1.495e-001 | 1.051e-001 | 9.365e-002 |
| 2 | 6.014e-002 | 5.544e-002 | 7.998e-002 | 5.122e-002 | 5.390e-002 |
| 3 | 3.624e-002 | 3.426e-002 | 4.536e-002 | 3.172e-002 | 3.364e-002 |
| 4 | 2.581e-002 | 2.407e-002 | 3.325e-002 | 2.303e-002 | 2.290e-002 |

Source: Elsinore

Region: USGS 2008 California

Closest Distance: 109.79 km

Amplitude Units: Acceleration (g)

Magnitude: 7.85 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 9.603e-002 | 1.101e-001 | 1.079e-001 | 7.854e-002 | 8.753e-002 |
| 0.05 | 1.029e-001 | 1.076e-001 | 1.180e-001 | 8.723e-002 | 9.864e-002 |
| 0.1 | 1.315e-001 | 1.364e-001 | 1.385e-001 | 1.089e-001 | 1.420e-001 |
| 0.2 | 1.942e-001 | 2.459e-001 | 1.611e-001 | 1.618e-001 | 2.080e-001 |
| 0.3 | 2.331e-001 | 3.189e-001 | 1.856e-001 | 1.979e-001 | 2.302e-001 |
| 0.4 | 2.321e-001 | 3.244e-001 | 1.912e-001 | 1.910e-001 | 2.218e-001 |
| 0.5 | 2.273e-001 | 3.099e-001 | 1.939e-001 | 1.992e-001 | 2.061e-001 |
| 0.75 | 2.039e-001 | 2.686e-001 | 1.846e-001 | 1.889e-001 | 1.734e-001 |
| 1 | 1.786e-001 | 2.293e-001 | 1.625e-001 | 1.685e-001 | 1.541e-001 |
| 2 | 1.076e-001 | 1.291e-001 | 1.005e-001 | 1.088e-001 | 9.200e-002 |
| 3 | 7.335e-002 | 8.467e-002 | 7.611e-002 | 7.371e-002 | 5.893e-002 |
| 4 | 5.286e-002 | 6.194e-002 | 5.292e-002 | 5.593e-002 | 4.064e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.609e-001 | 1.823e-001 | 1.891e-001 | 1.297e-001 | 1.424e-001 |
| 0.05 | 1.766e-001 | 1.792e-001 | 2.119e-001 | 1.493e-001 | 1.661e-001 |
| 0.1 | 2.289e-001 | 2.293e-001 | 2.535e-001 | 1.919e-001 | 2.408e-001 |
| 0.2 | 3.376e-001 | 4.233e-001 | 2.913e-001 | 2.824e-001 | 3.535e-001 |
| 0.3 | 4.097e-001 | 5.591e-001 | 3.397e-001 | 3.463e-001 | 3.938e-001 |
| 0.4 | 4.105e-001 | 5.753e-001 | 3.483e-001 | 3.353e-001 | 3.831e-001 |
| 0.5 | 4.066e-001 | 5.551e-001 | 3.574e-001 | 3.536e-001 | 3.604e-001 |
| 0.75 | 3.735e-001 | 4.874e-001 | 3.506e-001 | 3.444e-001 | 3.117e-001 |
| 1 | 3.306e-001 | 4.178e-001 | 3.093e-001 | 3.113e-001 | 2.840e-001 |
| 2 | 2.054e-001 | 2.349e-001 | 2.015e-001 | 2.062e-001 | 1.789e-001 |
| 3 | 1.414e-001 | 1.553e-001 | 1.519e-001 | 1.402e-001 | 1.183e-001 |
| 4 | 1.026e-001 | 1.141e-001 | 1.059e-001 | 1.065e-001 | 8.383e-002 |

Source: Garlock

Region: USGS 2008 California

Closest Distance: 72.17 km

Amplitude Units: Acceleration (g)

Magnitude: 7.72 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 1.294e-001 | 1.368e-001 | 1.589e-001 | 1.005e-001 | 1.213e-001 | 1.414e-001 |
| 0.05 | 1.419e-001 | 1.376e-001 | 1.745e-001 | 1.142e-001 | 1.414e-001 | 1.414e-001 |
| 0.1 | 1.862e-001 | 1.773e-001 | 2.125e-001 | 1.497e-001 | 2.052e-001 | 2.052e-001 |
| 0.2 | 2.623e-001 | 3.040e-001 | 2.486e-001 | 2.145e-001 | 2.822e-001 | 2.822e-001 |
| 0.3 | 3.004e-001 | 3.791e-001 | 2.728e-001 | 2.503e-001 | 2.993e-001 | 2.993e-001 |
| 0.4 | 2.922e-001 | 3.783e-001 | 2.705e-001 | 2.393e-001 | 2.806e-001 | 2.806e-001 |
| 0.5 | 2.804e-001 | 3.557e-001 | 2.648e-001 | 2.452e-001 | 2.560e-001 | 2.560e-001 |
| 0.75 | 2.432e-001 | 3.002e-001 | 2.381e-001 | 2.250e-001 | 2.094e-001 | 2.094e-001 |
| 1 | 2.092e-001 | 2.542e-001 | 2.014e-001 | 1.982e-001 | 1.827e-001 | 1.827e-001 |
| 2 | 1.225e-001 | 1.413e-001 | 1.187e-001 | 1.248e-001 | 1.054e-001 | 1.054e-001 |
| 3 | 8.238e-002 | 9.194e-002 | 8.731e-002 | 8.375e-002 | 6.652e-002 | 6.652e-002 |
| 4 | 5.929e-002 | 6.680e-002 | 6.163e-002 | 6.321e-002 | 4.555e-002 | 4.555e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|------------|
| PGA | 2.160e-001 | 2.247e-001 | 2.784e-001 | 1.651e-001 | 1.957e-001 | 1.957e-001 |
| 0.05 | 2.422e-001 | 2.265e-001 | 3.134e-001 | 1.940e-001 | 2.351e-001 | 2.351e-001 |
| 0.1 | 3.216e-001 | 2.945e-001 | 3.889e-001 | 2.616e-001 | 3.414e-001 | 3.414e-001 |
| 0.2 | 4.526e-001 | 5.178e-001 | 4.496e-001 | 3.716e-001 | 4.714e-001 | 4.714e-001 |
| 0.3 | 5.247e-001 | 6.591e-001 | 4.994e-001 | 4.352e-001 | 5.052e-001 | 5.052e-001 |
| 0.4 | 5.142e-001 | 6.664e-001 | 4.927e-001 | 4.183e-001 | 4.795e-001 | 4.795e-001 |
| 0.5 | 4.998e-001 | 6.338e-001 | 4.881e-001 | 4.336e-001 | 4.437e-001 | 4.437e-001 |
| 0.75 | 4.447e-001 | 5.430e-001 | 4.522e-001 | 4.093e-001 | 3.744e-001 | 3.744e-001 |
| 1 | 3.867e-001 | 4.622e-001 | 3.833e-001 | 3.658e-001 | 3.356e-001 | 3.356e-001 |
| 2 | 2.341e-001 | 2.571e-001 | 2.381e-001 | 2.364e-001 | 2.048e-001 | 2.048e-001 |
| 3 | 1.589e-001 | 1.687e-001 | 1.743e-001 | 1.592e-001 | 1.335e-001 | 1.335e-001 |
| 4 | 1.152e-001 | 1.231e-001 | 1.234e-001 | 1.204e-001 | 9.394e-002 | 9.394e-002 |

Source: Malibu Coast

Region: USGS 2008 California

Closest Distance: 31.62 km

Amplitude Units: Acceleration (g)

Magnitude: 7.00 Mw

Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.688e-001 | 1.516e-001 | 2.117e-001 | 1.503e-001 | 1.615e-001 |
| 0.05 | 1.923e-001 | 1.648e-001 | 2.311e-001 | 1.779e-001 | 1.952e-001 |
| 0.1 | 2.692e-001 | 2.211e-001 | 3.109e-001 | 2.600e-001 | 2.848e-001 |
| 0.2 | 3.699e-001 | 3.338e-001 | 4.307e-001 | 3.474e-001 | 3.680e-001 |
| 0.3 | 4.034e-001 | 3.889e-001 | 4.625e-001 | 3.770e-001 | 3.850e-001 |
| 0.4 | 3.764e-001 | 3.683e-001 | 4.411e-001 | 3.484e-001 | 3.476e-001 |
| 0.5 | 3.440e-001 | 3.337e-001 | 4.056e-001 | 3.284e-001 | 3.084e-001 |
| 0.75 | 2.664e-001 | 2.625e-001 | 3.095e-001 | 2.559e-001 | 2.375e-001 |
| 1 | 2.140e-001 | 2.126e-001 | 2.407e-001 | 2.048e-001 | 1.979e-001 |
| 2 | 1.322e-001 | 1.318e-001 | 1.435e-001 | 1.277e-001 | 1.256e-001 |
| 3 | 9.719e-002 | 9.912e-002 | 1.034e-001 | 9.585e-002 | 9.042e-002 |
| 4 | 8.004e-002 | 8.198e-002 | 8.669e-002 | 8.131e-002 | 7.017e-002 |

Fractile: 0.84

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 2.803e-001 | 2.480e-001 | 3.709e-001 | 2.440e-001 | 2.582e-001 |
| 0.05 | 3.257e-001 | 2.698e-001 | 4.150e-001 | 2.976e-001 | 3.202e-001 |
| 0.1 | 4.613e-001 | 3.649e-001 | 5.691e-001 | 4.468e-001 | 4.642e-001 |
| 0.2 | 6.351e-001 | 5.652e-001 | 7.790e-001 | 5.924e-001 | 6.039e-001 |
| 0.3 | 7.020e-001 | 6.730e-001 | 8.466e-001 | 6.472e-001 | 6.414e-001 |
| 0.4 | 6.602e-001 | 6.464e-001 | 8.034e-001 | 6.029e-001 | 5.883e-001 |
| 0.5 | 6.118e-001 | 5.929e-001 | 7.476e-001 | 5.763e-001 | 5.306e-001 |
| 0.75 | 4.878e-001 | 4.747e-001 | 5.887e-001 | 4.640e-001 | 4.236e-001 |
| 1 | 3.969e-001 | 3.871e-001 | 4.593e-001 | 3.778e-001 | 3.635e-001 |
| 2 | 2.602e-001 | 2.463e-001 | 2.957e-001 | 2.483e-001 | 2.505e-001 |
| 3 | 1.970e-001 | 1.906e-001 | 2.162e-001 | 1.910e-001 | 1.902e-001 |
| 4 | 1.665e-001 | 1.611e-001 | 1.852e-001 | 1.652e-001 | 1.544e-001 |

Source: Newport-Inglewood
 Region: USGS 2008 California
 Closest Distance: 77.95 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.50 Mw
 Fractile: 0.50
 Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.065e-001 | 1.080e-001 | 1.363e-001 | 8.689e-002 | 9.499e-002 |
| 0.05 | 1.166e-001 | 1.098e-001 | 1.473e-001 | 9.891e-002 | 1.103e-001 |
| 0.1 | 1.542e-001 | 1.428e-001 | 1.820e-001 | 1.307e-001 | 1.611e-001 |
| 0.2 | 2.208e-001 | 2.431e-001 | 2.286e-001 | 1.876e-001 | 2.238e-001 |
| 0.3 | 2.515e-001 | 2.990e-001 | 2.517e-001 | 2.179e-001 | 2.376e-001 |
| 0.4 | 2.434e-001 | 2.957e-001 | 2.488e-001 | 2.067e-001 | 2.225e-001 |
| 0.5 | 2.319e-001 | 2.767e-001 | 2.412e-001 | 2.073e-001 | 2.025e-001 |
| 0.75 | 1.971e-001 | 2.317e-001 | 2.091e-001 | 1.830e-001 | 1.646e-001 |
| 1 | 1.674e-001 | 1.952e-001 | 1.747e-001 | 1.566e-001 | 1.430e-001 |
| 2 | 9.466e-002 | 1.068e-001 | 9.833e-002 | 9.214e-002 | 8.142e-002 |
| 3 | 6.212e-002 | 6.902e-002 | 6.772e-002 | 6.063e-002 | 5.109e-002 |
| 4 | 4.454e-002 | 4.999e-002 | 4.801e-002 | 4.532e-002 | 3.485e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.788e-001 | 1.789e-001 | 2.387e-001 | 1.432e-001 | 1.542e-001 |
| 0.05 | 2.004e-001 | 1.830e-001 | 2.647e-001 | 1.688e-001 | 1.851e-001 |
| 0.1 | 2.687e-001 | 2.404e-001 | 3.332e-001 | 2.296e-001 | 2.715e-001 |
| 0.2 | 3.845e-001 | 4.189e-001 | 4.136e-001 | 3.265e-001 | 3.790e-001 |
| 0.3 | 4.429e-001 | 5.245e-001 | 4.608e-001 | 3.803e-001 | 4.060e-001 |
| 0.4 | 4.311e-001 | 5.246e-001 | 4.533e-001 | 3.624e-001 | 3.842e-001 |
| 0.5 | 4.155e-001 | 4.958e-001 | 4.446e-001 | 3.674e-001 | 3.542e-001 |
| 0.75 | 3.619e-001 | 4.206e-001 | 3.972e-001 | 3.333e-001 | 2.963e-001 |
| 1 | 3.104e-001 | 3.558e-001 | 3.325e-001 | 2.892e-001 | 2.639e-001 |
| 2 | 1.811e-001 | 1.943e-001 | 1.972e-001 | 1.746e-001 | 1.585e-001 |
| 3 | 1.199e-001 | 1.266e-001 | 1.352e-001 | 1.153e-001 | 1.026e-001 |
| 4 | 8.661e-002 | 9.210e-002 | 9.612e-002 | 8.633e-002 | 7.189e-002 |

Source: Southern San Andreas

Region: USGS 2008 California

Closest Distance: 69.62 km

Amplitude Units: Acceleration (g)

Magnitude: 8.20 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.680e-001 | 1.886e-001 | 1.914e-001 | 1.236e-001 | 1.685e-001 |
| 0.05 | 1.840e-001 | 1.848e-001 | 2.165e-001 | 1.387e-001 | 1.959e-001 |
| 0.1 | 2.361e-001 | 2.340e-001 | 2.540e-001 | 1.764e-001 | 2.801e-001 |

| | | | | | |
|------|------------|------------|------------|------------|------------|
| 0.2 | 3.264e-001 | 4.086e-001 | 2.580e-001 | 2.547e-001 | 3.841e-001 |
| 0.3 | 3.813e-001 | 5.237e-001 | 2.854e-001 | 3.041e-001 | 4.119e-001 |
| 0.4 | 3.769e-001 | 5.334e-001 | 2.871e-001 | 2.962e-001 | 3.909e-001 |
| 0.5 | 3.695e-001 | 5.096e-001 | 2.891e-001 | 3.185e-001 | 3.606e-001 |
| 0.75 | 3.364e-001 | 4.412e-001 | 2.840e-001 | 3.188e-001 | 3.015e-001 |
| 1 | 2.986e-001 | 3.799e-001 | 2.484e-001 | 2.987e-001 | 2.673e-001 |
| 2 | 1.901e-001 | 2.211e-001 | 1.626e-001 | 2.165e-001 | 1.602e-001 |
| 3 | 1.347e-001 | 1.467e-001 | 1.376e-001 | 1.516e-001 | 1.030e-001 |
| 4 | 9.801e-002 | 1.078e-001 | 9.618e-002 | 1.168e-001 | 7.129e-002 |

Fractile: 0.84

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 2.778e-001 | 3.051e-001 | 3.353e-001 | 2.019e-001 | 2.690e-001 | |
| 0.05 | 3.106e-001 | 2.982e-001 | 3.889e-001 | 2.338e-001 | 3.213e-001 | |
| 0.1 | 4.020e-001 | 3.801e-001 | 4.650e-001 | 3.058e-001 | 4.571e-001 | |
| 0.2 | 5.539e-001 | 6.825e-001 | 4.667e-001 | 4.380e-001 | 6.285e-001 | |
| 0.3 | 6.566e-001 | 8.963e-001 | 5.225e-001 | 5.256e-001 | 6.820e-001 | |
| 0.4 | 6.556e-001 | 9.278e-001 | 5.229e-001 | 5.152e-001 | 6.566e-001 | |
| 0.5 | 6.521e-001 | 8.987e-001 | 5.330e-001 | 5.612e-001 | 6.156e-001 | |
| 0.75 | 6.110e-001 | 7.930e-001 | 5.393e-001 | 5.786e-001 | 5.330e-001 | |
| 1 | 5.494e-001 | 6.877e-001 | 4.727e-001 | 5.505e-001 | 4.867e-001 | |
| 2 | 3.622e-001 | 4.020e-001 | 3.262e-001 | 4.101e-001 | 3.104e-001 | |
| 3 | 2.597e-001 | 2.691e-001 | 2.747e-001 | 2.883e-001 | 2.067e-001 | |
| 4 | 1.902e-001 | 1.985e-001 | 1.926e-001 | 2.225e-001 | 1.470e-001 | |

Source: San Jacinto
 Region: USGS 2008 California
 Closest Distance: 151.31 km
 Amplitude Units: Acceleration (g)
 Magnitude: 7.88 Mw
 Fractile: 0.50

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|---|
| PGA | 6.729e-002 | 8.205e-002 | 6.386e-002 | 6.312e-002 | 6.013e-002 | |
| 0.05 | 7.025e-002 | 7.764e-002 | 6.947e-002 | 6.889e-002 | 6.502e-002 | |
| 0.1 | 8.743e-002 | 9.462e-002 | 7.982e-002 | 8.313e-002 | 9.215e-002 | |
| 0.2 | 1.372e-001 | 1.795e-001 | 9.660e-002 | 1.268e-001 | 1.457e-001 | |
| 0.3 | 1.749e-001 | 2.495e-001 | 1.189e-001 | 1.606e-001 | 1.705e-001 | |
| 0.4 | 1.797e-001 | 2.642e-001 | 1.286e-001 | 1.559e-001 | 1.703e-001 | |
| 0.5 | 1.804e-001 | 2.602e-001 | 1.355e-001 | 1.638e-001 | 1.621e-001 | |
| 0.75 | 1.682e-001 | 2.379e-001 | 1.364e-001 | 1.575e-001 | 1.410e-001 | |
| 1 | 1.490e-001 | 2.030e-001 | 1.247e-001 | 1.405e-001 | 1.277e-001 | |

| | | | | | |
|---|------------|------------|------------|------------|------------|
| 2 | 9.083e-002 | 1.135e-001 | 8.023e-002 | 9.089e-002 | 7.869e-002 |
| 3 | 6.200e-002 | 7.425e-002 | 6.125e-002 | 6.164e-002 | 5.088e-002 |
| 4 | 4.464e-002 | 5.428e-002 | 4.224e-002 | 4.682e-002 | 3.520e-002 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 1.131e-001 | 1.371e-001 | 1.119e-001 | 1.046e-001 | 9.867e-002 |
| 0.05 | 1.213e-001 | 1.309e-001 | 1.248e-001 | 1.186e-001 | 1.108e-001 |
| 0.1 | 1.534e-001 | 1.613e-001 | 1.461e-001 | 1.473e-001 | 1.589e-001 |
| 0.2 | 2.404e-001 | 3.127e-001 | 1.747e-001 | 2.226e-001 | 2.517e-001 |
| 0.3 | 3.092e-001 | 4.413e-001 | 2.177e-001 | 2.823e-001 | 2.956e-001 |
| 0.4 | 3.195e-001 | 4.719e-001 | 2.342e-001 | 2.746e-001 | 2.973e-001 |
| 0.5 | 3.240e-001 | 4.688e-001 | 2.498e-001 | 2.915e-001 | 2.858e-001 |
| 0.75 | 3.087e-001 | 4.332e-001 | 2.591e-001 | 2.875e-001 | 2.549e-001 |
| 1 | 2.761e-001 | 3.708e-001 | 2.373e-001 | 2.600e-001 | 2.363e-001 |
| 2 | 1.732e-001 | 2.066e-001 | 1.609e-001 | 1.722e-001 | 1.532e-001 |
| 3 | 1.195e-001 | 1.362e-001 | 1.223e-001 | 1.172e-001 | 1.022e-001 |
| 4 | 8.659e-002 | 1.000e-001 | 8.456e-002 | 8.919e-002 | 7.261e-002 |

Source: Santa Monica

Region: USGS 2008 California

Closest Distance: 20.42 km

Amplitude Units: Acceleration (g)

Magnitude: 7.40 Mw

Fractile: 0.50

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA

Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA

Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA

Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 3.096e-001 | 3.419e-001 | 2.972e-001 | 2.742e-001 | 3.335e-001 |
| 0.05 | 3.506e-001 | 3.639e-001 | 3.354e-001 | 3.133e-001 | 3.994e-001 |
| 0.1 | 4.743e-001 | 4.651e-001 | 4.586e-001 | 4.435e-001 | 5.519e-001 |
| 0.2 | 6.454e-001 | 7.120e-001 | 6.208e-001 | 5.881e-001 | 7.014e-001 |
| 0.3 | 7.403e-001 | 8.783e-001 | 7.162e-001 | 6.534e-001 | 7.576e-001 |
| 0.4 | 7.093e-001 | 8.700e-001 | 6.762e-001 | 6.279e-001 | 7.069e-001 |
| 0.5 | 6.695e-001 | 8.113e-001 | 6.348e-001 | 6.256e-001 | 6.454e-001 |
| 0.75 | 5.485e-001 | 6.537e-001 | 5.175e-001 | 5.294e-001 | 5.167e-001 |
| 1 | 4.451e-001 | 5.336e-001 | 3.843e-001 | 4.423e-001 | 4.353e-001 |
| 2 | 2.446e-001 | 3.128e-001 | 1.852e-001 | 2.530e-001 | 2.274e-001 |
| 3 | 1.589e-001 | 1.972e-001 | 1.321e-001 | 1.635e-001 | 1.429e-001 |
| 4 | 1.169e-001 | 1.405e-001 | 9.766e-002 | 1.277e-001 | 1.015e-001 |

Fractile: 0.84

Column 1: Spectral Period

Column 2: Acceleration (g) for: Weighted Mean of Attenuation Equations
Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 4.986e-001 | 5.330e-001 | 5.208e-001 | 4.343e-001 | 5.209e-001 |
| 0.05 | 5.722e-001 | 5.607e-001 | 6.024e-001 | 5.085e-001 | 6.344e-001 |
| 0.1 | 7.792e-001 | 7.189e-001 | 8.394e-001 | 7.388e-001 | 8.586e-001 |
| 0.2 | 1.063e+000 | 1.134e+000 | 1.123e+000 | 9.711e-001 | 1.096e+000 |
| 0.3 | 1.243e+000 | 1.443e+000 | 1.311e+000 | 1.090e+000 | 1.208e+000 |
| 0.4 | 1.207e+000 | 1.462e+000 | 1.232e+000 | 1.062e+000 | 1.151e+000 |
| 0.5 | 1.160e+000 | 1.391e+000 | 1.170e+000 | 1.078e+000 | 1.073e+000 |
| 0.75 | 9.860e-001 | 1.156e+000 | 9.844e-001 | 9.486e-001 | 8.994e-001 |
| 1 | 8.143e-001 | 9.567e-001 | 7.334e-001 | 8.098e-001 | 7.857e-001 |
| 2 | 4.777e-001 | 5.841e-001 | 3.821e-001 | 4.924e-001 | 4.523e-001 |
| 3 | 3.213e-001 | 3.803e-001 | 2.771e-001 | 3.267e-001 | 3.011e-001 |
| 4 | 2.428e-001 | 2.772e-001 | 2.094e-001 | 2.605e-001 | 2.243e-001 |

Probabilistic Spectra results for EZ-FRISK 7.65 Build 004

ANNUAL FREQUENCY OF EXCEEDANCE: 4.041e-004
 RETURN PERIOD: 2474.9
 PROBABILITY OF EXCEEDENCE: 2.0% IN 50.0 YEARS

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Mean
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 9.995e-001 | 1.007e+000 | 9.678e-001 | 9.232e-001 | 1.057e+000 |
| 0.05 | 1.121e+000 | 1.048e+000 | 1.157e+000 | 1.041e+000 | 1.225e+000 |
| 0.1 | 1.457e+000 | 1.293e+000 | 1.693e+000 | 1.328e+000 | 1.486e+000 |
| 0.2 | 2.000e+000 | 1.878e+000 | 2.373e+000 | 1.686e+000 | 1.936e+000 |
| 0.3 | 2.334e+000 | 2.305e+000 | 2.786e+000 | 2.035e+000 | 2.206e+000 |
| 0.4 | 2.345e+000 | 2.369e+000 | 2.662e+000 | 2.147e+000 | 2.200e+000 |
| 0.5 | 2.310e+000 | 2.293e+000 | 2.530e+000 | 2.275e+000 | 2.146e+000 |
| 0.75 | 2.059e+000 | 1.990e+000 | 2.127e+000 | 2.154e+000 | 1.967e+000 |
| 1 | 1.716e+000 | 1.637e+000 | 1.565e+000 | 1.890e+000 | 1.781e+000 |
| 2 | 1.124e+000 | 1.126e+000 | 9.023e-001 | 1.268e+000 | 1.176e+000 |
| 3 | 8.004e-001 | 8.103e-001 | 6.415e-001 | 8.667e-001 | 8.748e-001 |
| 4 | 6.416e-001 | 6.411e-001 | 5.096e-001 | 7.057e-001 | 7.074e-001 |

ANNUAL FREQUENCY OF EXCEEDANCE: 1.026e-003
 RETURN PERIOD: 974.8
 PROBABILITY OF EXCEEDENCE: 5.0% IN 50.0 YEARS

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Mean
 Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
 Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
 Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
 Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 7.594e-001 | 7.789e-001 | 7.389e-001 | 7.092e-001 | 8.072e-001 |
| 0.05 | 8.706e-001 | 8.297e-001 | 8.815e-001 | 8.006e-001 | 9.724e-001 |
| 0.1 | 1.142e+000 | 1.065e+000 | 1.252e+000 | 1.070e+000 | 1.179e+000 |
| 0.2 | 1.495e+000 | 1.443e+000 | 1.748e+000 | 1.317e+000 | 1.469e+000 |
| 0.3 | 1.765e+000 | 1.795e+000 | 2.046e+000 | 1.523e+000 | 1.680e+000 |
| 0.4 | 1.750e+000 | 1.821e+000 | 1.944e+000 | 1.582e+000 | 1.643e+000 |
| 0.5 | 1.692e+000 | 1.720e+000 | 1.829e+000 | 1.647e+000 | 1.565e+000 |
| 0.75 | 1.439e+000 | 1.421e+000 | 1.491e+000 | 1.471e+000 | 1.372e+000 |
| 1 | 1.204e+000 | 1.193e+000 | 1.128e+000 | 1.260e+000 | 1.238e+000 |
| 2 | 7.479e-001 | 7.733e-001 | 6.231e-001 | 8.181e-001 | 7.827e-001 |
| 3 | 5.148e-001 | 5.333e-001 | 4.308e-001 | 5.473e-001 | 5.499e-001 |
| 4 | 4.032e-001 | 4.137e-001 | 3.311e-001 | 4.405e-001 | 4.285e-001 |

ANNUAL FREQUENCY OF EXCEEDANCE: 2.107e-003
 RETURN PERIOD: 474.6
 PROBABILITY OF EXCEEDENCE: 10.0% IN 50.0 YEARS

Column 1: Spectral Period
 Column 2: Acceleration (g) for: Mean

Column 3: Acceleration (g) for: Abrahamson-Silva (2008) NGA
Column 4: Acceleration (g) for: Boore-Atkinson (2008) NGA
Column 5: Acceleration (g) for: Campbell-Bozorgnia (2008) NGA
Column 6: Acceleration (g) for: Chiou-Youngs (2008) NGA

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|------------|------------|------------|------------|------------|
| PGA | 5.902e-001 | 6.121e-001 | 5.832e-001 | 5.432e-001 | 6.224e-001 |
| 0.05 | 6.865e-001 | 6.665e-001 | 6.919e-001 | 6.288e-001 | 7.481e-001 |
| 0.1 | 9.228e-001 | 8.629e-001 | 9.899e-001 | 8.636e-001 | 9.785e-001 |
| 0.2 | 1.194e+000 | 1.178e+000 | 1.329e+000 | 1.088e+000 | 1.188e+000 |
| 0.3 | 1.357e+000 | 1.394e+000 | 1.520e+000 | 1.209e+000 | 1.306e+000 |
| 0.4 | 1.329e+000 | 1.392e+000 | 1.436e+000 | 1.218e+000 | 1.262e+000 |
| 0.5 | 1.275e+000 | 1.311e+000 | 1.357e+000 | 1.231e+000 | 1.194e+000 |
| 0.75 | 1.083e+000 | 1.096e+000 | 1.119e+000 | 1.074e+000 | 1.039e+000 |
| 1 | 8.946e-001 | 9.131e-001 | 8.510e-001 | 9.040e-001 | 9.139e-001 |
| 2 | 5.174e-001 | 5.446e-001 | 4.554e-001 | 5.435e-001 | 5.324e-001 |
| 3 | 3.476e-001 | 3.657e-001 | 3.074e-001 | 3.631e-001 | 3.600e-001 |
| 4 | 2.657e-001 | 2.775e-001 | 2.299e-001 | 2.886e-001 | 2.710e-001 |

APPENDIX F

SITE-SPECIFIC LIQUEFACTION EVALUATION

LIQUEFACTION CALCULATIONS

Liquefaction analyses were performed on Boring B-1 and sounding data from CPT-1b, CPT-2, CPT-3 and CPT-4. The symbols, method and N values used in the liquefaction analyses including detail computations for typical CPT are presented in this Appendix. Below is a table summarizing the estimated due to liquefaction for each liquefaction analysis.

| Boring or CPT | Total Settlement (in inches) |
|---------------|------------------------------|
| Boring B-1 | 2.31 |
| CPT-1b | 1.65 |
| CPT-2 | 1.71 |
| CPT-3 | 2.33 |
| CPT-4 | 1.74 |

The general liquefaction analyses including computations for both CPT data are also presented in this Appendix.

CONCLUSIONS

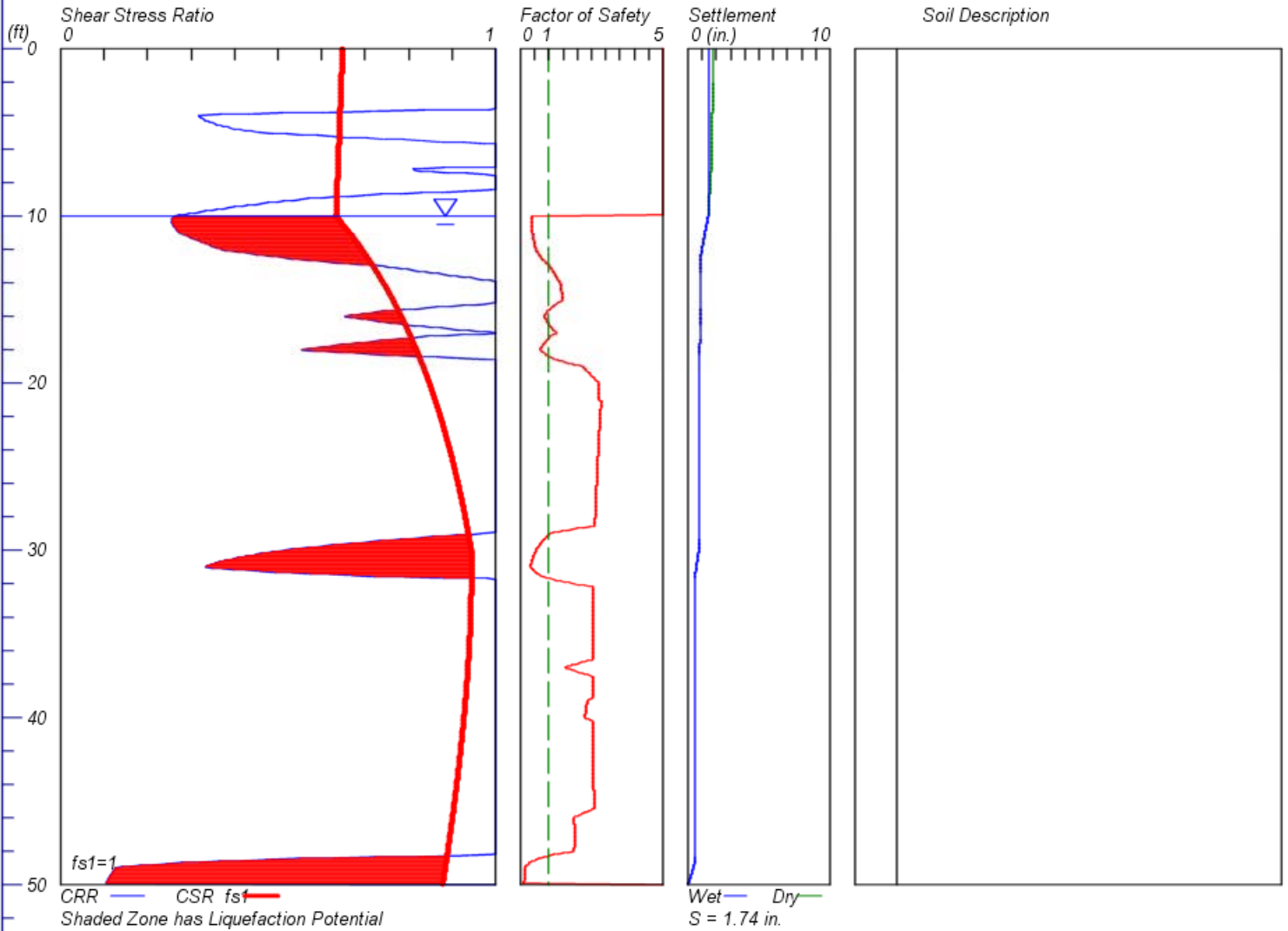
The subsurface soils are anticipated to locally liquefy under the design seismic event. The estimated total seismic settlement is 2.33 inches. The maximum differential settlement can be estimated by finding the largest difference between the liquefaction analyses. As such, the differential settlement can be estimated to be on the order of 0.68 inches (the difference between CPT-1b's and CPT-2's total settlement) in a horizontal distance of approximately 30 feet. The potential seismically induced settlement in surface soils can be mitigate with proper foundation design and ground modification or ground improvement as recommended herein.

LIQUEFACTION ANALYSIS

Liquefaction

Hole No.=CPT-4 Water Depth=10 ft Surface Elev.=0

Magnitude=7.04
Acceleration=.997g



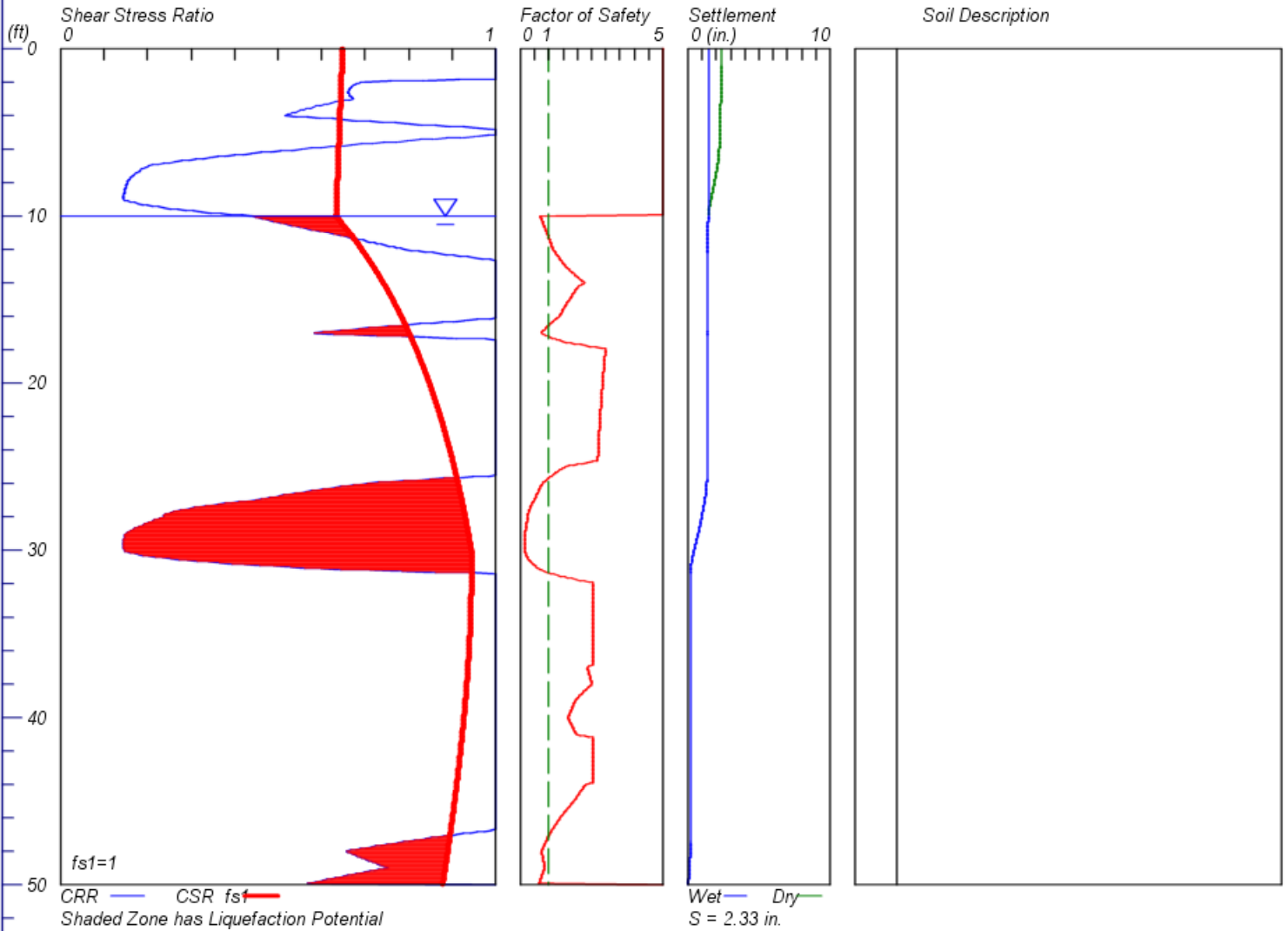
LiquefyPro CivilTech Software USA www.civiltech.com

LIQUEFACTION ANALYSIS

Liquefaction

Hole No.=CPT-3 Water Depth=10 ft Surface Elev.=0

Magnitude=7.04
Acceleration=.997g



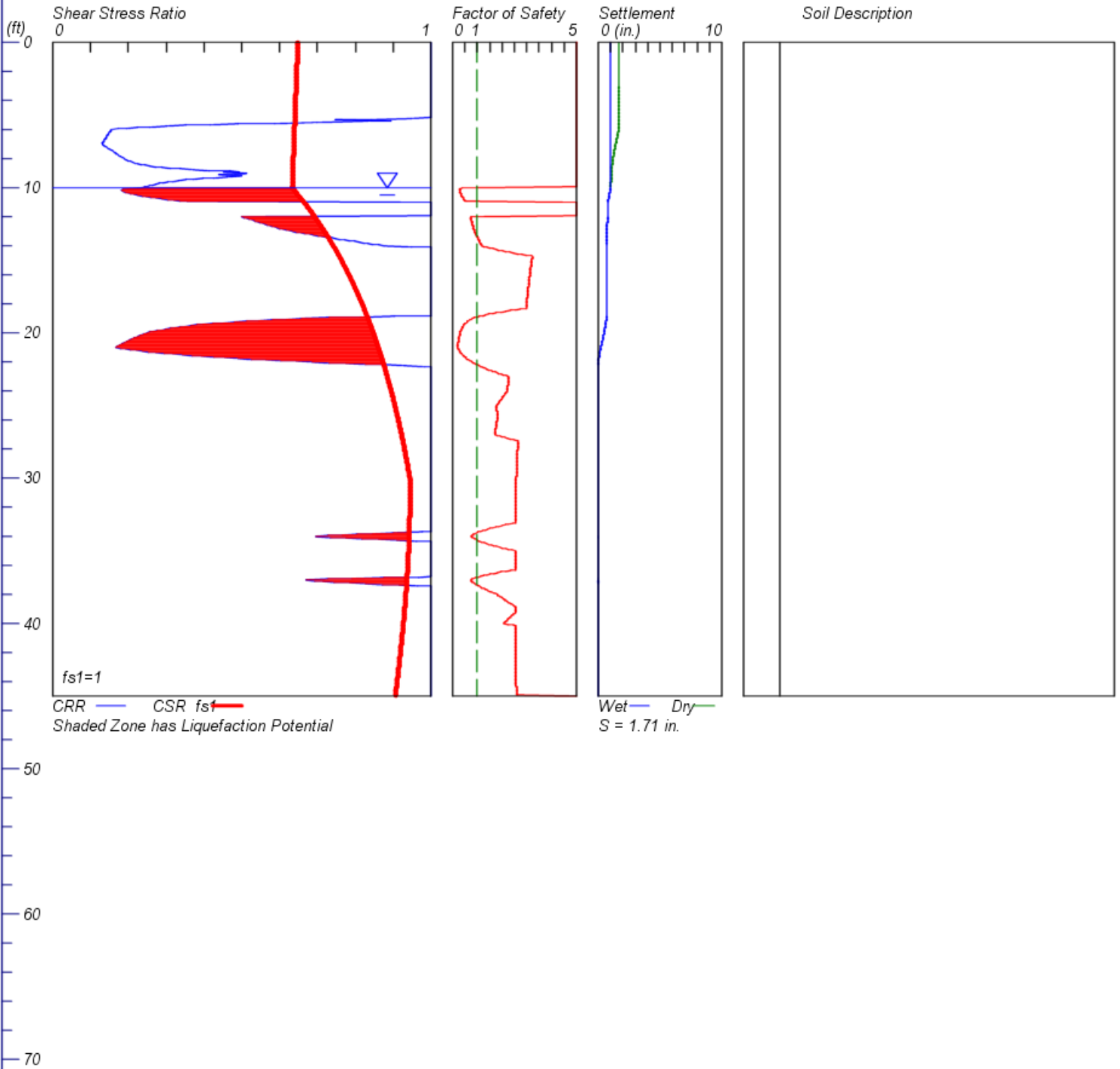
LiquefyPro CivilTech Software USA www.civilttech.com

LIQUEFACTION ANALYSIS

Liquefaction

Hole No.=CPT-2 Water Depth=10 ft Surface Elev.=0

Magnitude=7.04
Acceleration=.997g

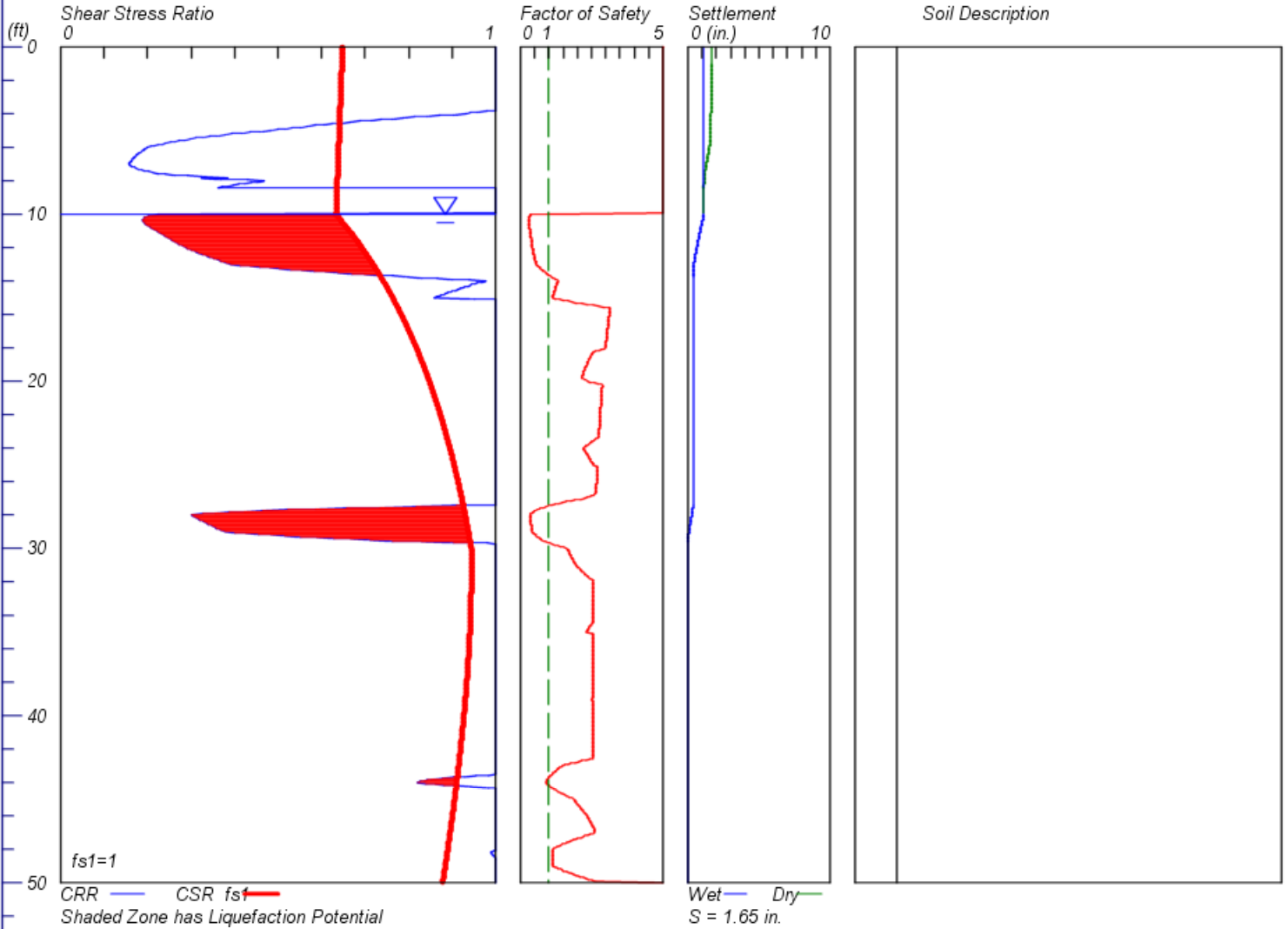


LIQUEFACTION ANALYSIS

Liquefaction

Hole No.=CPT-1b Water Depth=10 ft Surface Elev.=0

Magnitude=7.04
Acceleration=.997g



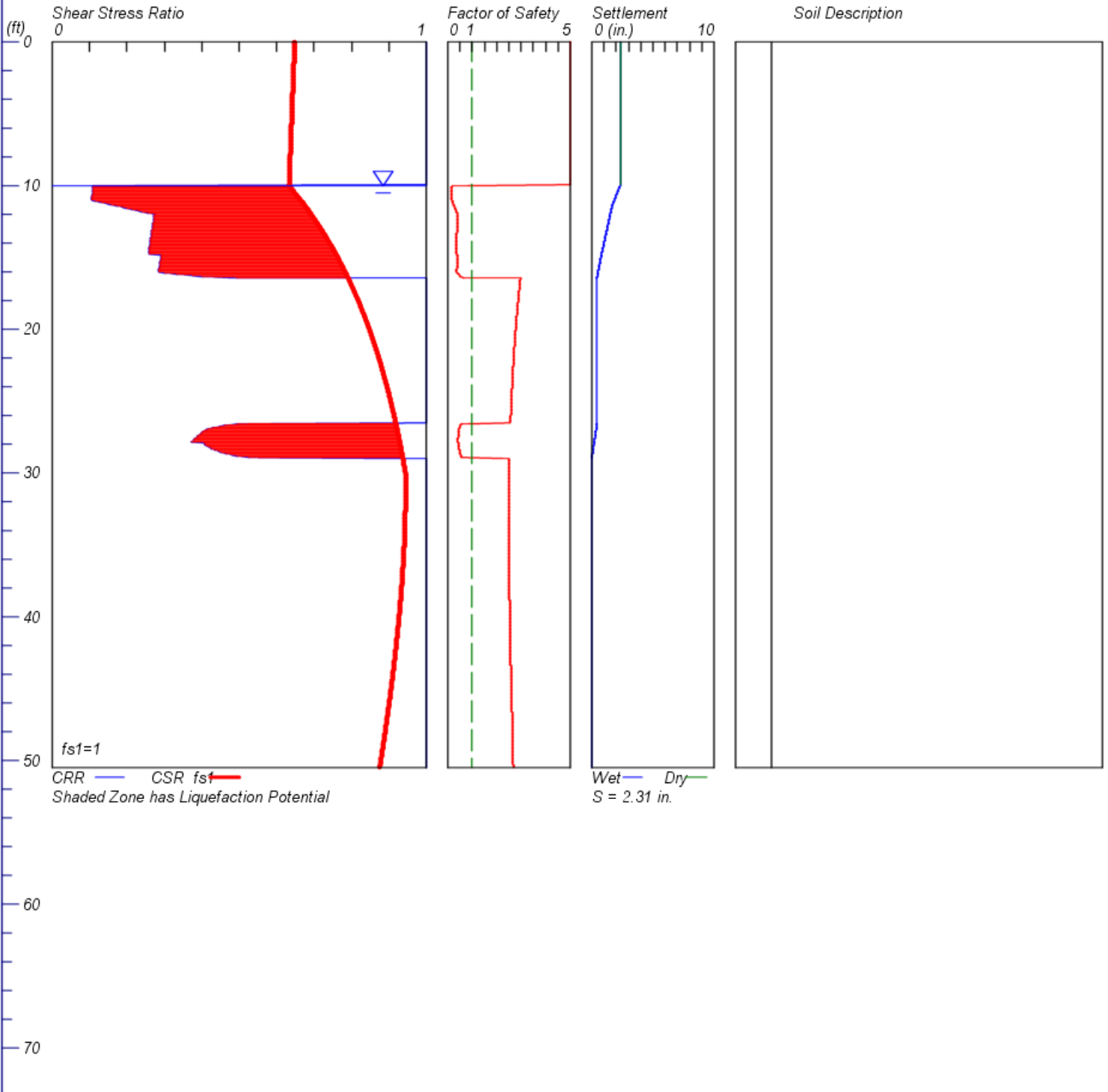
LiquefyPro CivilTech Software USA www.civiltech.com

LIQUEFACTION ANALYSIS

CSUCI Student Housing Phase III

Hole No.=B-1 Water Depth=10 ft

Magnitude=7.04
Acceleration=.997g





Winston H. Hickox
Agency Secretary
California Environmental
Protection Agency

Department of Toxic Substances Control

Edwin F. Lowry, Director
1011 N. Grandview Avenue
Glendale, California 91201



Gray Davis
Governor

March 6, 2001

Mr. Salvador Godoy, Director
Maintenance, Operations and Facilities
Oxnard School District
1055 South C Street
Oxnard, California 93030

NOTICE OF THE PRELIMINARY ENDANGERMENT ASSESSMENT DETERMINATION FOR THE PROPOSED THURGOOD MARSHALL ELEMENTARY SCHOOL SITE AT GONZALES AND PATTERSON ROADS, OXNARD, CALIFORNIA

Dear Mr. Godoy:

The Department of Toxic Substances Control (DTSC) has reviewed correspondence, submitted by ENSR, dated February 28, 2001, indicating that the Oxnard School District (OSD) has complied with all public participation requirements set forth in the California Education Code, Section 17213.1(a)(6). According to the correspondence, the OSD held a public hearing on February 8, 2001, and a public review period, ending February 11, 2001, on the Draft Final Preliminary Endangerment Assessment (PEA).

During the public review period, comments pertaining to the PEA were received by OSD. The PEA comments and a response to comments prepared by OSD have been reviewed by DTSC. The comments received were adequately addressed by the OSD response and the PEA investigation. Therefore, no revision of the PEA was necessary.

Based on the findings of the PEA investigation and compliance with the public participation requirements, DTSC hereby approves the Draft Final PEA, dated January 2001, as the Final PEA. The PEA report indicates that no actual or potential hazardous materials release was indicated which would pose a threat to human health or the environment under any land use, therefore DTSC concurs that no further investigation is required for the site. As with any real property, additional investigation and/or cleanup may be required if previously unidentified contamination is discovered at the site.

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Web-site at www.dtsc.ca.gov.

♻️ Printed on Recycled Paper

Mr. Salvador Godoy
March 6, 2001
Page 2

If you have any questions, please contact Mr. Pete Cooke, Project Manager at (818) 551-2193 or me at (818) 551-2821.

Sincerely,



Sharon Fair
Branch Chief
School Property Evaluation and Cleanup Division

cc: Gerald Hels. REA II
ENSR
1220 Avenida Acaso
Camarillo, California 93012

Mr. Jim Bush
School Facilities Planning Division
California Department of Education
660 J Street, Suite 350
Sacramento, California 95814

DRAFT FINAL

**Results of Preliminary Endangerment Assessment
Voluntary Cleanup Agreement HSA-A-99/00-147**

Proposed Thurgood Marshall Elementary School Site
Located at Gonzales and Patterson Roads
Oxnard, California

ENSR Document No. 5197-002-600

Prepared for
Oxnard School District
Oxnard, California

EXECUTIVE SUMMARY

The Oxnard School District conducted a three-phase Preliminary Endangerment Assessment (PEA) for the California Environmental Protection Agency Department of Toxic Substances Control (DTSC) at the proposed Thurgood Marshall Elementary School Property located at Gonzales and Patterson Roads, Oxnard California. This PEA assessment was conducted consistent with DTSC guidelines to 1) determine if there has been a release of hazardous substances from historic agricultural and nearby former landfill operations, 2) identify if the presence of these chemicals pose a potential risk to human health and the environment, and 3) confirm that contaminated soils have been removed from the site. The results of the PEA will be used to assist the DTSC in determining if the site meets the current DTSC model as acceptable for an elementary school setting.

Due to site-specific conditions, the PEA process for the Thurgood Marshall site extended from July to October 2000. The chronology of PEA-related events is summarized below:

- July 5, 2000 - DTSC approved the initial phase PEA Workplan that described the initial phase of the PEA program including soil, groundwater, soil gas, and ambient air assessment over the entire school site.
- July 13 and 14, 2000 – The Oxnard School District (OSD) conducted the initial phase of the PEA field work as approved by DTSC in the PEA Workplan. This phase included assessment of soil, groundwater, soil gas, and ambient air for organochlorine pesticides (OCPs), volatile organic compounds (VOCs), total petroleum hydrocarbon (TPH), polychlorinated biphenyls (PCBs), methane, and metals at locations scattered sitewide. The results of the initial phase of the PEA indicated that the OCPs, p,p'-dichloro-diphenyl-trichloroethane (DDT), p,p'-dichloro-diphenyldi-chloroethene (DDE), dichlorodiphenyldichloroethane (DDD), and toxaphene were present at several locations primarily in the southeastern half of the subject site at concentrations in excess of the risk-based cleanup levels determined in Section 7.0 below. The DTSC reviewed the draft PEA report and agreed with the recommendation that additional site assessment be conducted to evaluate the lateral and vertical extent of soil contamination requiring remediation. The remainder of the subject site and the other chemicals assessed did not require further evaluation, based on the assessment results and risk-based evaluation, conducted in Section 7.0 below.
- August 2000 – Prior to completion of an additional site assessment workplan, the current agricultural site manager, Ag Land Services, Inc. (Ag Land) determined to preserve as much top soil as possible for future agricultural use, by relocating the DDT and toxaphene-containing near-surface soil from the subject site to nearby areas on the same property.

- August 30, 2000 – To provide additional information regarding the extent of toxaphene-containing soil requiring remediation, the OSD installed an additional 17 soil borings (GP-21 through GP-37) in the east central, northeast, and southwest portions of the subject site to further evaluate the extent of DDT and toxaphene-containing soil. This assessment was conducted in accordance with the original PEA Workplan, Quality Assurance/Quality Control (QA/QC) and Quality Assurance Project Plan requirements. The analytical program included OCPs with the results only for DDD, DDE, DDT, DDT (total), and toxaphene being reported. The analytical results were used to further delineate the lateral and vertical extent of DDD, DDE, DDT, and toxaphene-containing soil requiring action at the subject site.
- September 26 through October 31, 2000 – The current site manager conducted an agricultural soil relocation program to relocate soils from about the southeastern two-thirds of the site to nearby fields also operated under Ag Land management. The field areas receiving the relocated soil from the subject site are located west of the proposed school site. The relocated soils were spread on an area about 250-feet wide (east-west) and 1,000-feet long (north-south) north of Gonzales Road, west of the subject site.

It is ENSR's understanding that the receiving field will be about 3 feet higher than before and will be graded flat with a slight slope to the southwest in preparation for the planting of new row crops. The relocation transportation program was restricted to the use of Ag Land managed farm roads only, and did not cross or use public right-of-way. As the agricultural soil relocation program was being undertaken, ENSR, on behalf of the OSD, provided oversight and recommendations to the soil relocation process when requested. ENSR also collected confirmatory soil samples for analysis of OCPs by U.S. Environmental Protection Agency (U.S. EPA) Method 8081A. These samples were collected as the soils relocation program progressed in order to: 1) guide the progress of excavation, and 2) confirm the successful relocation of DDD, DDE, DDT, and toxaphene-containing soil.

Approximately, 94 confirmatory soil samples were collected for analysis. These samples were collected, handled, and analyzed in strict conformance with the PEA Workplan/QAPP requirements.

The initial PEA phase, which included 114 soil, five groundwater, four soil gas and one ambient air samples indicated that the PCB soil sample analytical results did not report any detectable concentrations above the laboratory quantitation limits. The results of the PEA revealed laterally-limited low levels of OCPs: toxaphene, DDT, DDE, DDD, endosulfan II, endosulfan sulfate, chlordane, and endrin within the surficial soils to a depth of 5 feet bgs. The OCP concentrations detected were the highest in surficial samples (0.5 feet) generally collected in the borings from the

southeastern half of the site. The OCP concentrations decreased with depth, and in most cases, were not detectable at 4 feet below ground surface (bgs). The data do not suggest that pesticide disposal, storage, or significant spillage had occurred on the property.

Groundwater samples tested did not report any detectable concentrations of TPH, VOC, PCB, and OCP compounds exceeding the laboratory detection limits. However, low concentrations (non-hazardous) of copper and vanadium were reported in one (copper) or all (vanadium) of the groundwater samples analyzed.

The soil vapor VOC data suggest general uniformity across the site and are in general agreement with and comparable to the ambient air data results. The magnitude of the compounds detected in the soil vapor suggests that there has not been a release of VOCs at the site. Neither methyl bromide nor methane gases were reported above laboratory practical quantitation limits in the soil vapor samples analyzed.

A screening level evaluation of the potential for chronic health risk and hazards from OCP-impacted soil was conducted consistent with DTSC PEA guidelines. Chemicals of potential concern (COPCs) were selected from compounds reported above background in the soil samples collected at 0.5, 2, and 4 feet bgs. The COPCs included as part of the PEA screening level evaluation were toxaphene, DDT, DDE, and DDD. The concentrations of the other OCPs detected were low and did not impact the risk evaluation conducted. The potential exposure pathways identified for the site were ingestion, dermal contact, and inhalation of contaminated soils or particulates.

The initial PEA phase screening level risk assessment yielded a cumulative excess cancer risk of greater than 1 in 1,000,000 (10^{-6}) based on the ingestion and dermal contact pathways for surficial and subsurface soils impacted by toxaphene, DDT, DDE, and DDD (the range of risk for the site was between 1.3×10^{-7} and 4.4×10^{-6}). The range of risks are near the threshold of 10^{-6} and were determined using conservative (i.e., intentionally biased to be most protective) model assumptions that provide a reasonable maximum exposure to the COPCs in a residential setting. Based on the model assumptions, the inhalation pathway does not provide a significant cancer risk ($>10^{-6}$) for soils impacted by toxaphene, DDT, DDE, and DDD.

Toxaphene and DDT provide the most significant individual contribution to the potential chronic health risk along the ingestion and dermal contact pathways. DDT, DDD, and DDE do not, individually, provide an excess cancer risk above 10^{-6} .

At or below a concentration of 0.38 mg/kg in soil, toxaphene alone does not produce a risk greater than 10^{-6} . This concentration represents the threshold value under the assumptions of exposure in the PEA model, that the State of California would typically consider as acceptable to protect human health. However, lower toxaphene concentrations, when combined with onsite DDD, DDE

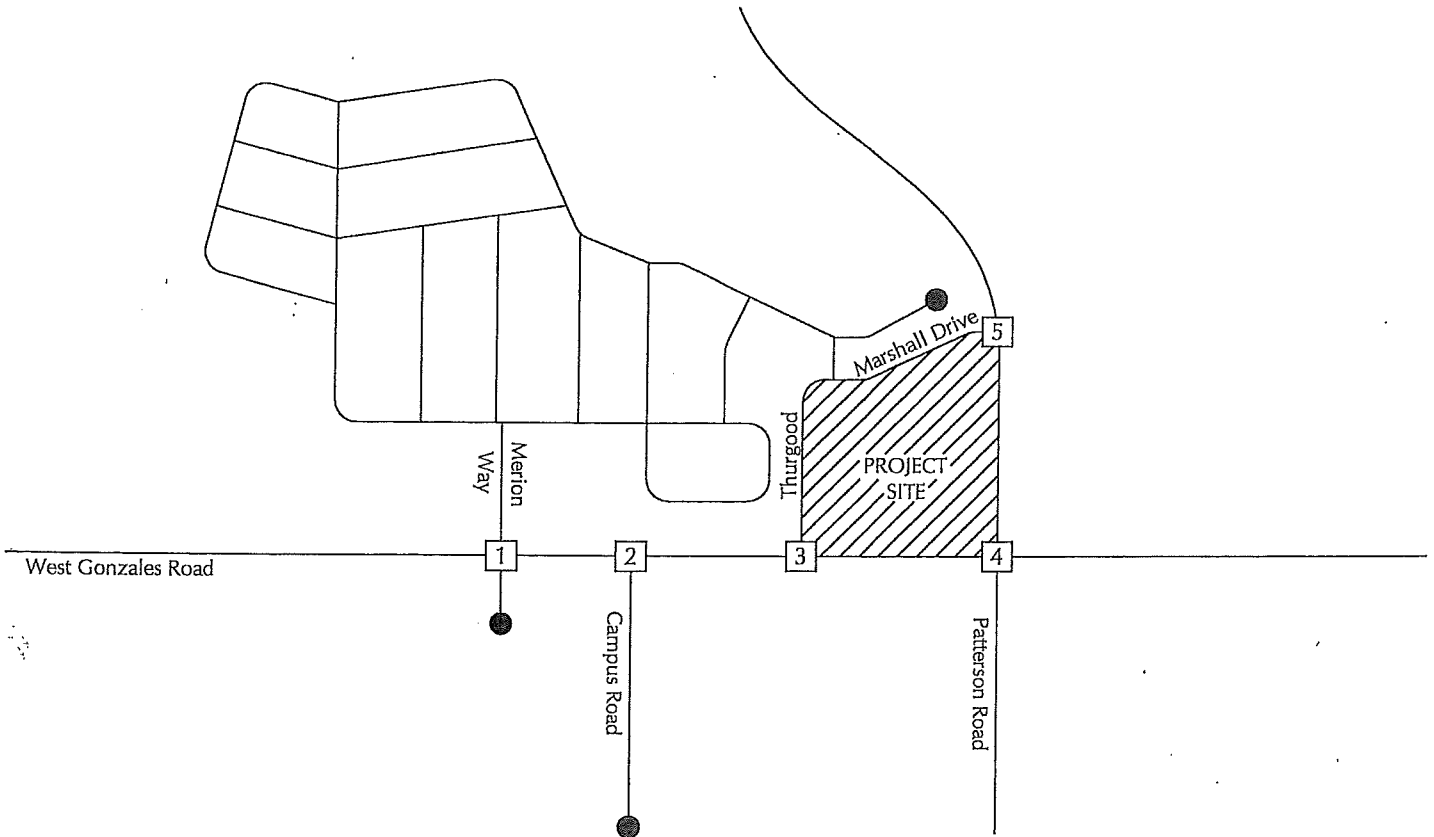
and DDT combined, could yield cumulative health risk levels of greater than 10^{-6} . Therefore, soils removal at the subject site was governed by site-specific combinations of DDD, DDE, DDT and toxaphene concentrations determined to result in a less than 10^{-6} health risk.

The results of the second and third phases of the PEA were used to identify the initial required extent of the agricultural soil relocation program, to progressively guide the agricultural soil relocation program as it was being conducted, and to verify that the agricultural soil relocation program had excavated and relocated offsite fields, soils exhibiting DDD, DDE, DDT and toxaphene concentrations in excess of the various risk-based cleanup levels identified in Section 7.0 (i.e., identified where it was acceptable to stop excavating soil).

As discussed in this report, the results of the three phases of PEA soil sampling indicate that the agricultural soil relocation program conducted by Ag Land successfully removed the soil containing DDD, DDE, DDT, and toxaphene at concentrations in excess of the risk-based cleanup level that were present on the proposed Thurgood Marshall Elementary School site. This soil was relocated for agricultural reuse on nearby agricultural fields. The subject site is therefore, eligible for an No Further Action determination by the DTSC (as discussed in Section 8.0).

**THURGOOD MARSHALL SCHOOL MND
OXNARD, CALIFORNIA**

TRAFFIC AND CIRCULATION STUDY



March 18, 2016

ATE Project 15098

Prepared for:

Tetra Tech
5383 Hollister Avenue, Suite 130
Santa Barbara, California 93111



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Since 1978

Richard L. Pool, P.E.
Scott A. Schell, AICP, PTP

March 18, 2016

Ms. Renee Longman
Tetra Tech
5383 Hollister Avenue, Suite 130
Santa Barbara, California 93111

***TRAFFIC AND CIRCULATION STUDY FOR
THE THURGOOD MARSHALL SCHOOL MND- CITY OF OXNARD***

Associated Transportation Engineers (ATE) is pleased to submit the following traffic and circulation study for the Thurgood Marshall School MND. It's our understanding that the results of the study will be used by the Oxnard School District to obtain CEQA clearance for the Thurgood Marshall School.

We appreciate the opportunity to assist the Tetra Tech with this project.

Associated Transportation Engineers

By: 
Scott A. Schell, AICP, PTP
Vice President

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INTRODUCTION

The following study contains an analysis of the potential traffic and circulation impacts associated with the Thurgood Marshall School, located in the City of Oxnard. The guidelines set forth in the City of Oxnard's Traffic Impact Study standards were utilized in formatting the various sections of the traffic study. The study provides information relative to existing, existing + project, cumulative (existing + approved/pending projects) and cumulative + project traffic conditions. Site access, circulation and parking are also reviewed in the study.

PROJECT DESCRIPTION

As shown on Figure 1, the Thurgood Marshall School is located at 2900 Thurgood Marshall Drive in the northwestern section of the City of Oxnard. The existing elementary school accommodates 555 students in grades K-5. The Oxnard School District is proposing to add 12 classrooms for an additional 345 students in grades 6-8. The proposed project would add 12,821 square feet (sq. ft.) of teaching facilities and an additional 2,280 sq. ft. devoted to restroom (1,270 sq. ft.), storage (593 sq. ft.) and locker room (417 sq. ft.) facilities. This would increase building square footage at the Thurgood Marshall School by a total of 15,101 square feet. A total of 20 parking spaces would be added to the on-site parking supply increasing the total to 88 parking spaces. Access to the project site would be provided by the two existing driveway connections on Thurgood Marshall Drive. The school driveways are inbound and outbound only. The school site plan is illustrated on Figure 2.

EXISTING CONDITIONS

Existing Street Network

The project site is served by a circulation system comprised of arterial and collector streets, which are illustrated on Figure 1. The major roadways serving the site are discussed in the following text.

Gonzales Road is a 4- to 6-lane east-west arterial. Providing access to Downtown Oxnard from U.S. Highway 101, the road is primarily fronted by commercial uses. Gonzales Road also fronts the southern border of the Thurgood Marshall School, providing an access route to the site. Signals are located at Merion Way, Campus Road and Patterson Road within the study-area.

Patterson Road is a 2- to 4-lane arterial that runs north-south in the study-area. Patterson Road extends north from Channel Islands Boulevard then transitions eastward as Vineyard Road in north Oxnard. Patterson Road is signalized at Gonzales Road in the study-area.

Thurgood Marshall Drive is a 2- lane roadway that extends north from Gonzales Road to Patterson Road. Thurgood Marshall Drive provides access to the school and the adjacent residential community. Thurgood Marshall Drive is STOP-Sign controlled at Gonzales Road and Patterson Road.

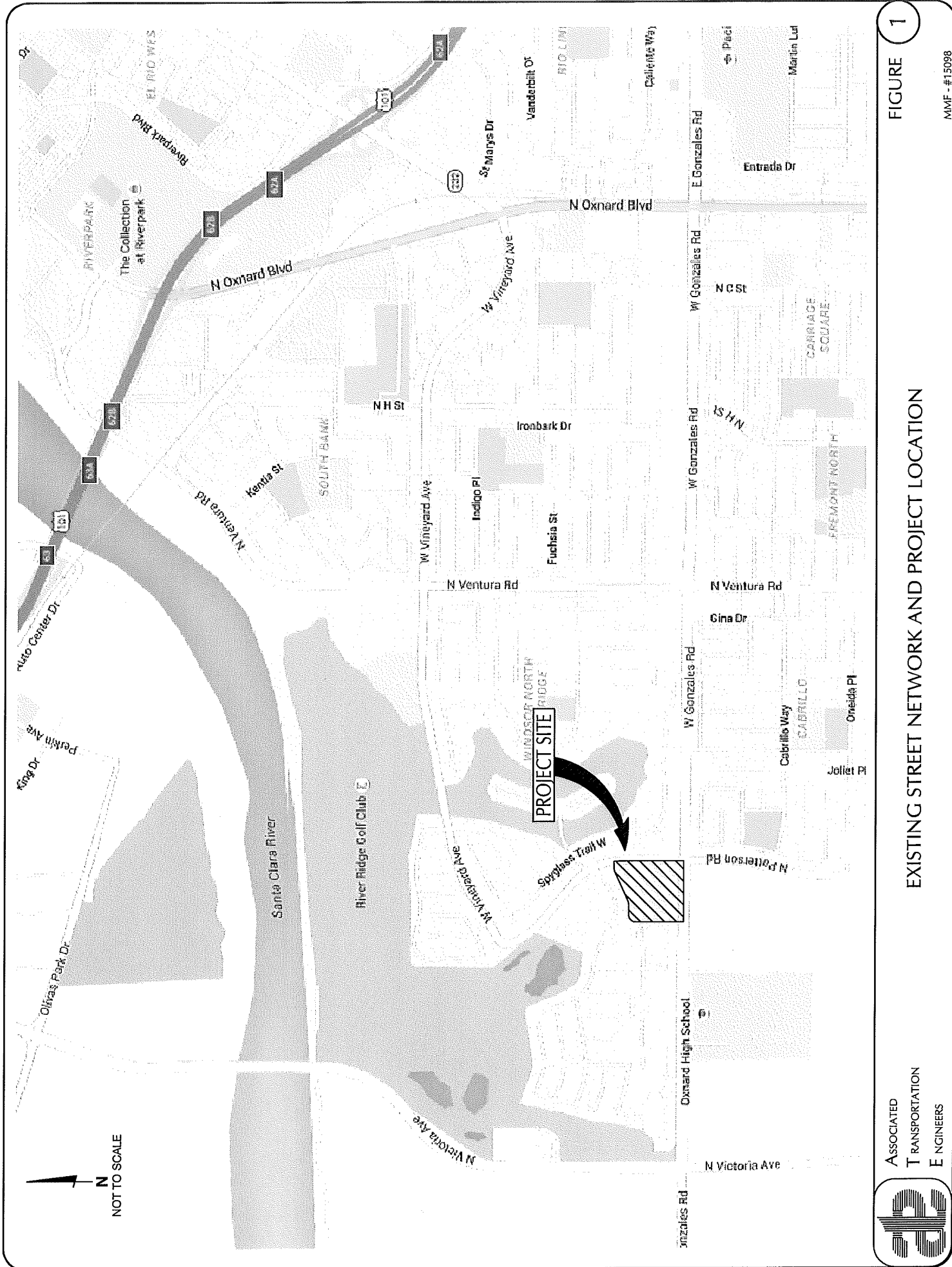


FIGURE 1

EXISTING STREET NETWORK AND PROJECT LOCATION



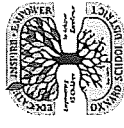
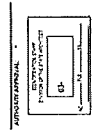
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ENGINEERS

CSDA DESIGN GROUP

4025 E. 17th Ave., Suite 200
Denver, CO 80202
303.751.5151
www.csdadesigngroup.com



DATE: 11/20/16



PROJECT NAME:
THURGOOD MARSHALL
SCHOOL DISTRICT

2025 L Street
Denver, CO 80202
303.447.9311

PROJECT NO.:

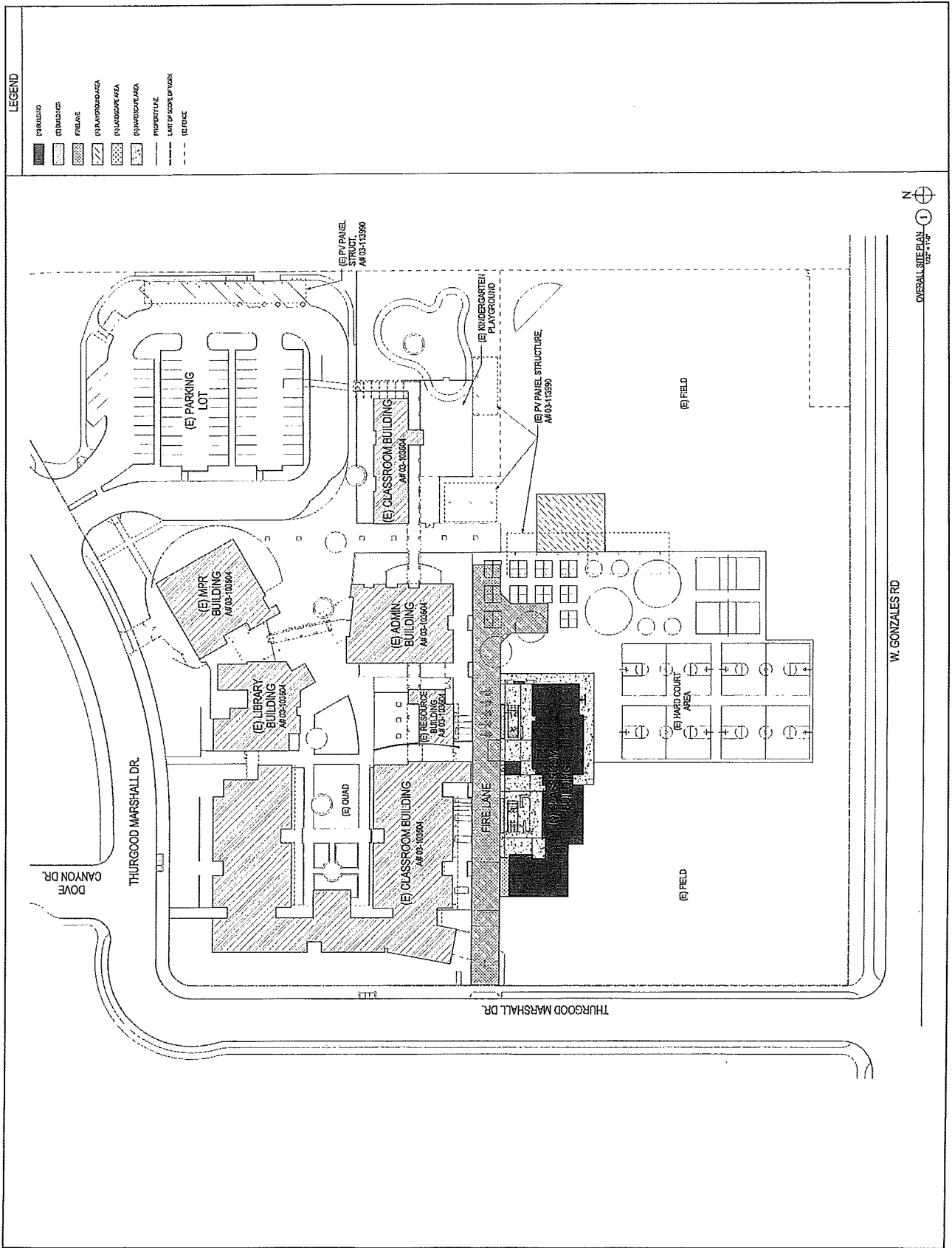
THURGOOD MARSHALL
SCHOOL DISTRICT

2025 L Street
Denver, CO 80202
303.447.9311

| NO. | DESCRIPTION | DATE |
|-----|-------------|----------|
| 1 | DESIGNED | 11/20/16 |

SITE PLAN

SHEET NO. A-101



N
OVERALL SITE PLAN
1/2" = 1/8" @ 11/20/16

- LEGEND
- (Hatched) PAVEMENT
 - (Hatched) BUILDINGS
 - (Hatched) FILL
 - (Hatched) STANDSTILL AREA
 - (Hatched) LANDSCAPE AREA
 - (Hatched) PLAYGROUND AREA
 - (Hatched) PROPERTY LINE
 - (Hatched) LOT OF SCHOOL USE
 - (Hatched) FENCE

PROJECT SITE PLAN

ASSOCIATED
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ENGINEERS



Existing Volumes and Intersection Levels of Service

Traffic flow on urban arterials is most constrained at intersections. Therefore, a detailed analysis of traffic flows must examine the operating conditions of critical intersections during peak travel periods. In rating intersection operations, "Levels of Service" (LOS) A through F are used, with LOS A indicating free flow operations and LOS F indicating congested operations (more complete definitions of levels of service are included in the Technical Appendix). LOS C is the minimum acceptable standard for intersection operations in the City of Oxnard.

Figure 3 illustrates the study-area intersections, the existing traffic controls and the lane geometries. Existing (2015) A.M. and P.M. peak hour period traffic volumes at the study-area intersections are illustrated on Figure 4. The intersection traffic counts were collected in December of 2015 for this study and are included in the Technical Appendix.

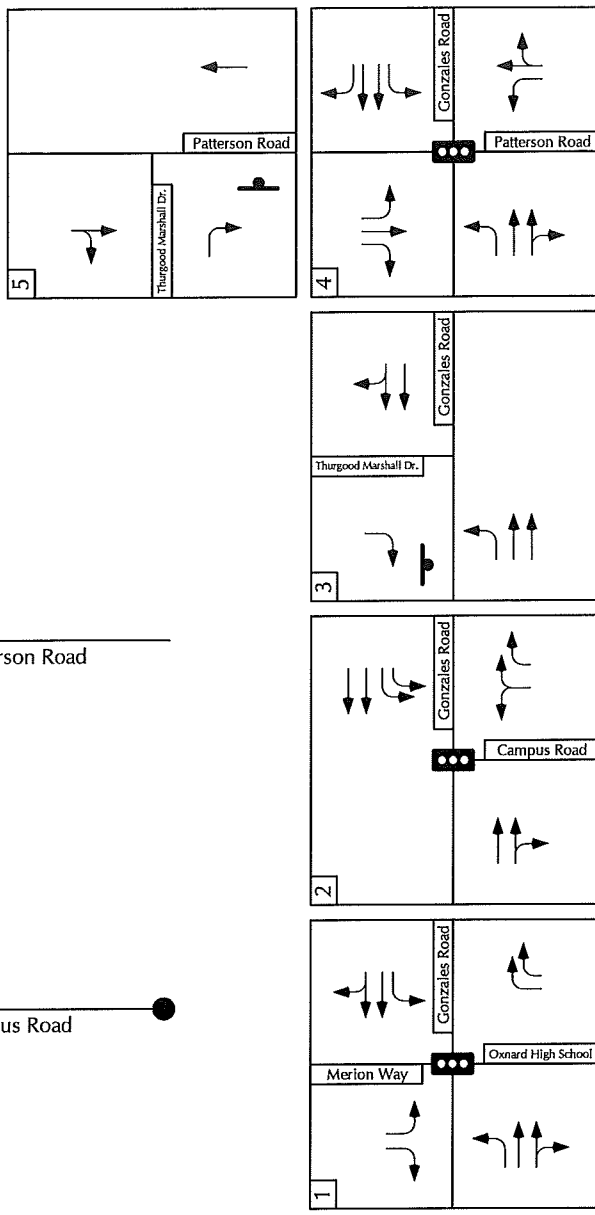
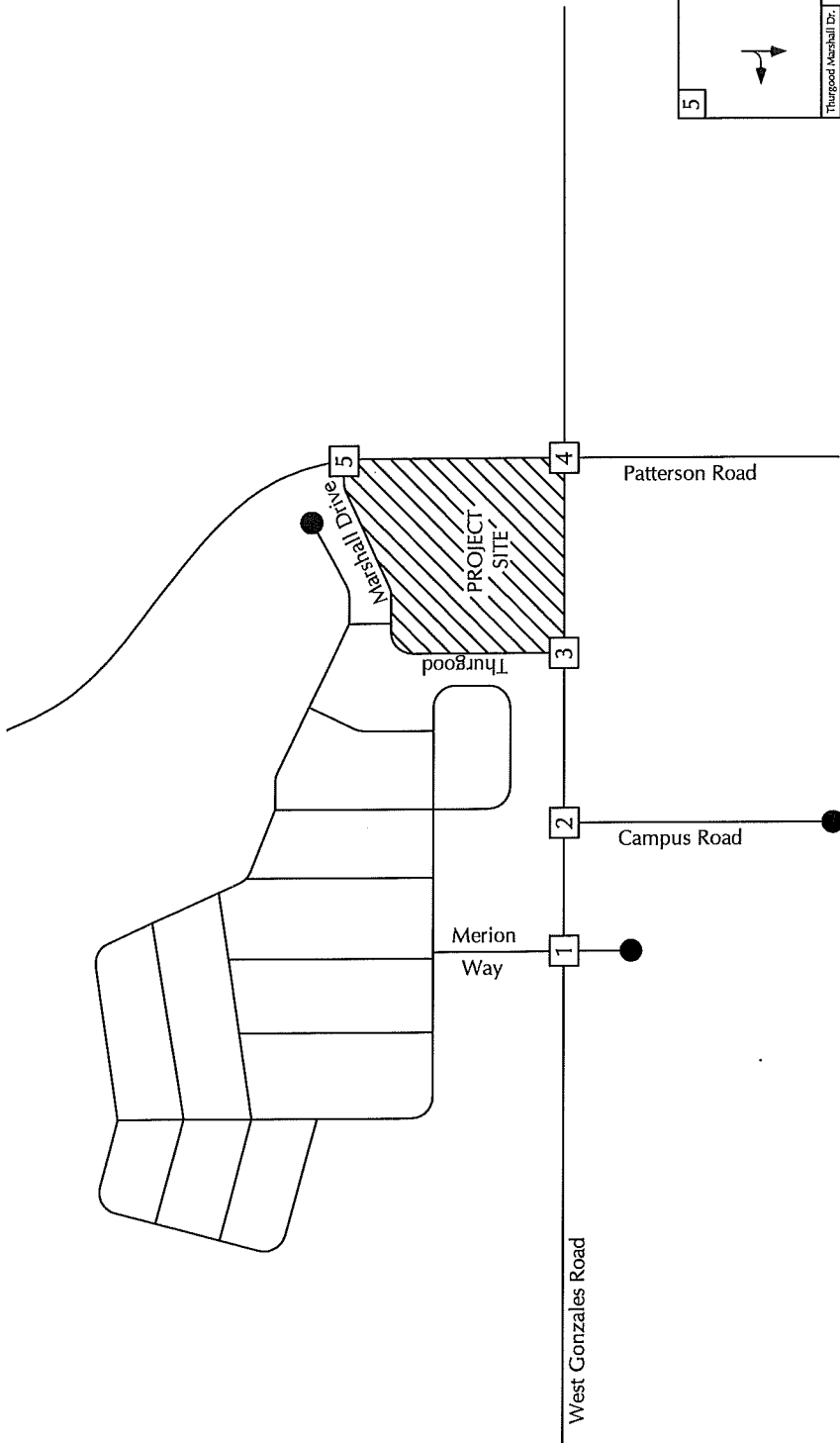
Existing levels of service were calculated for the study-area intersections using the Intersection Capacity Utilization (ICU) methodology for signalized intersections and the Highway Capacity Manual (HCM) methodology for unsignalized intersections, as required by the City of Oxnard. Worksheets illustrating the level of service calculations are contained in the Technical Appendix for reference. Table 1 lists the existing levels of service for the study-area intersections during the A.M. and P.M. peak hour periods.

**Table 1
Existing Peak Hour Levels of Service**

| Intersection | Control | A.M. Peak Hour | P.M. Peak Hour |
|--|-----------|-----------------|-----------------|
| | | ICU-Delay/LOS | ICU/Delay/LOS |
| Gonzales Road/Marion Way | Signal | 0.44/LOS A | 0.38/LOS A |
| Gonzales Road/Campus Road | Signal | 0.59/LOS A | 0.45/LOS A |
| Gonzales Road/Thurgood Marshall Drive | STOP-Sign | 14.8 sec./LOS B | 10.6 sec./LOS B |
| Gonzales Road/Patterson Road | Signal | 0.54/LOS A | 0.47/LOS A |
| Patterson Road/Thurgood Marshall Drive | STOP-Sign | 11.9 sec./LOS B | 10.2 sec./LOS B |

The data presented in Table 1 indicate that the study-area intersections currently operate at LOS B or better during the A.M. and P.M. peak hour periods, which meets the City's LOS C standard.

NOT TO SCALE



LEGEND

- Signalized Intersection
- Stopped Approach
- Lane Geometry

FIGURE 3

INTERSECTION LANE GEOMETRY AND TRAFFIC CONTROLS

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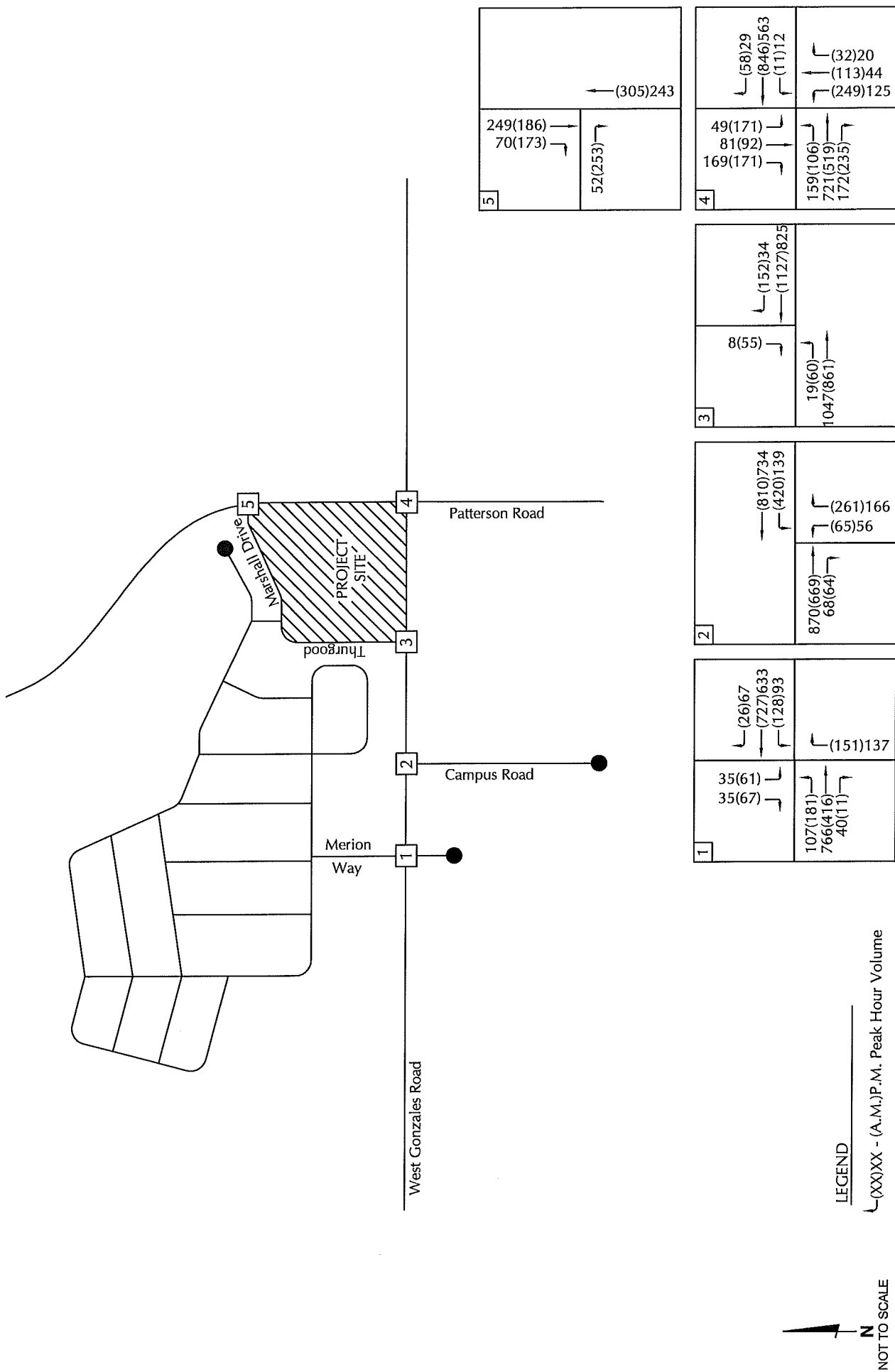
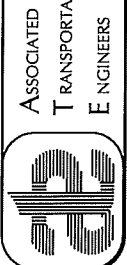


FIGURE 4

EXISTING TRAFFIC VOLUMES

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IMPACT THRESHOLD CRITERIA

The City of Oxnard’s criteria for evaluating project impacts at intersections is based upon the change in ICU/LOS attributable to the project. The City of Oxnard has established LOS C as the threshold of significance for determining project impacts at intersections. If the addition of project traffic increases the ICU by 0.02 or more at an intersection operating at LOS C or worse, it should be mitigated to the ICU level identified without the project traffic.

PROJECT-GENERATED TRAFFIC VOLUMES

Project Trip Generation

Trip generation estimates were calculated for the project based on the rates published in the Institute of Transportation Engineers, Trip Generation, 9th Edition for Elementary School (Land Use Code #520) and Middle School/Junior High School (Land Use Code #522). Table 2 summarizes the average daily, A.M. and P.M. peak hour trips generated by the Thurgood Marshall School.

**Table 2
Project Trip Generation**

| Land Use | Size | Average Daily Trips | | A.M. Peak Hour | | P.M. Peak Hour | |
|---------------------------------------|--------------|---------------------|-------|----------------|----------------|----------------|----------------|
| | | Rate | Trips | Rate | Trips (In/Out) | Rate | Trips (In/Out) |
| <u>Existing:</u> Elementary School | 555 Students | 1.29 | 716 | 0.45 | 250 (138/112) | 0.15 | 83 (41/42) |
| <u>Proposed:</u> Middle School | 345 Students | 1.62 | 559 | 0.54 | 186 (102/84) | 0.16 | 55 (27/28) |

The data presented in Table 2 show that the existing elementary school generates 716 ADT, 250 A.M. peak hour trips, and 83 P.M. peak hour trips. The proposed middle school component would generate an additional 559 ADT, 186 A.M. peak hour trips, and 55 P.M. peak hour trips.

The Thurgood Marshall School currently operates a student bussing program. The school bussing program provides transportation to and from school for students that live more than 1.5 miles from school, and for overflow students and for special needs students. Currently 239 (43%) of the existing student enrollment are bussed to school. The bussing program reduces the number of private vehicle trips thus reducing congestion on City of Oxnard streets during the morning commute period. The bussing program will continue to operate when the school adds the 6th, 7th and 8th grades.

Project Trip Distribution and Assignment

The A.M. and P.M. peak hour trips generated by the project were distributed and assigned to the study-area intersections based on school enrollment boundaries provided by the Oxnard School District, as well as a general knowledge of the residential areas in the City of Oxnard. Table 3 summarizes the trip distribution percentages developed for the project. Figure 5 illustrates the trip distribution and assignment for the project-generated trips.

Table 3
Project Trip Distribution

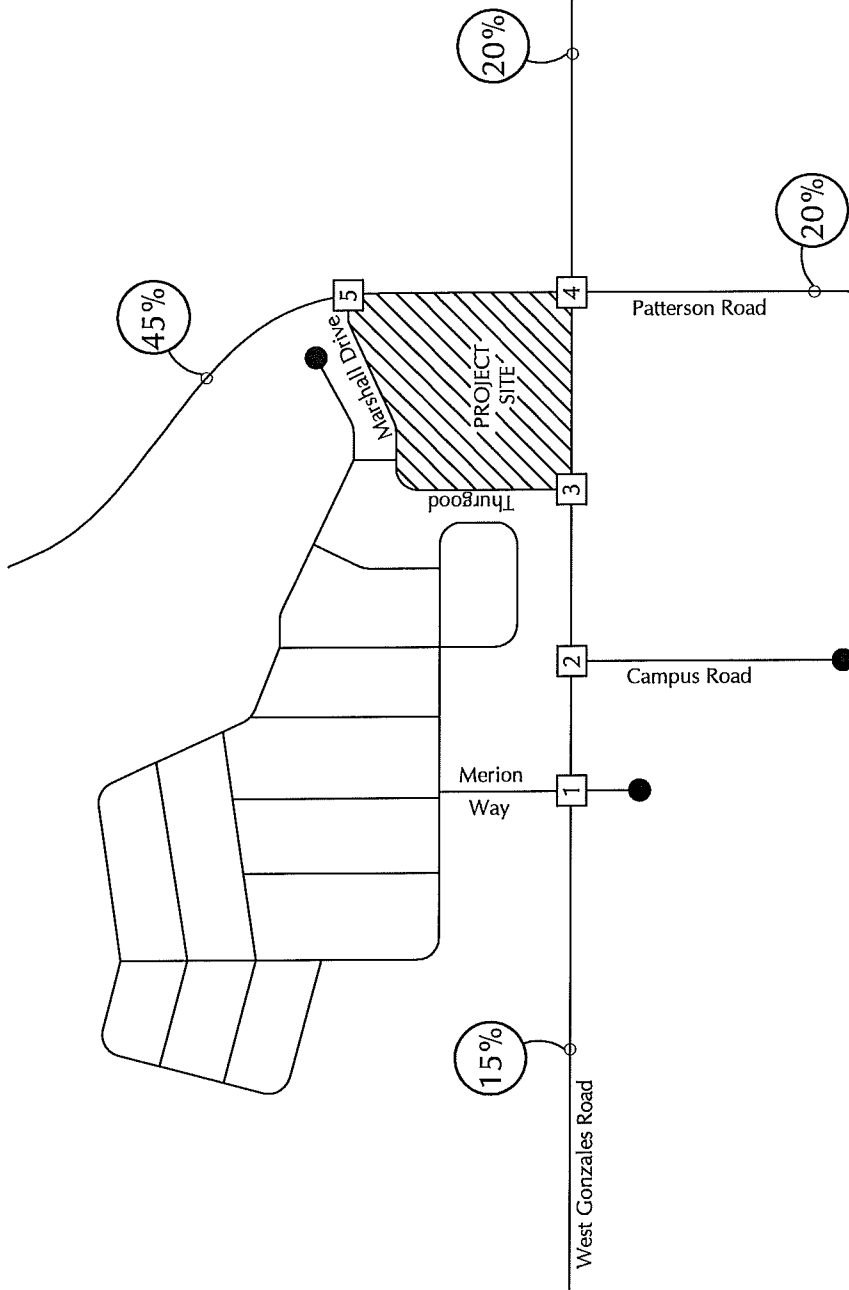
| Route | Origin/Destination | Percent |
|----------------|--------------------|-------------|
| Gonzales Road | East | 40% |
| | West | 10% |
| Patterson Road | North | 20% |
| | South | 30% |
| Total: | | 100% |

EXISTING + PROJECT OPERATIONS

Levels of service were calculated for the study-area intersections assuming the existing + project volumes illustrated in Figure 6. Tables 4 and 5 show the results of the LOS calculations and identify the project's impacts based on the City of Oxnard's thresholds.

Table 4
Existing + Project A.M. Peak Hour Levels of Service

| Intersection | Existing | | Existing + Project | | Change | Impact? |
|--|-----------|-------|--------------------|-------|----------|---------|
| | ICU/Delay | LOS | ICU/Delay | LOS | | |
| Gonzales Road/Merion Way | 0.44 | LOS A | 0.44 | LOS A | 0.00 | No |
| Gonzales Road/Campus Road | 0.59 | LOS A | 0.60 | LOS A | 0.01 | No |
| Gonzales Road/Thurgood Marshall Drive | 14.8 sec. | LOS B | 15.6 sec. | LOS C | 0.8 sec. | No |
| Gonzales Road/Patterson Road | 0.54 | LOS A | 0.57 | LOS A | 0.03 | No |
| Patterson Road/Thurgood Marshall Drive | 11.9 sec. | LOS B | 16.2 sec. | LOS C | 4.3 sec. | No |



| | | | | | |
|---|------------------|--------|---|-----------------|----------------|
| 5 | 12(46) 24(71) | (38)13 | 4 | 18(54) 6(17) | (21)6 (20)5 |
| 3 | 4(13) | (41)11 | 2 | 4(15) | (13)4 |
| 1 | 4(15) | (13)4 | 1 | 4(15) | (13)4 |

NOT TO SCALE
LEGEND
 - (A.M.)P.M. Peak Hour Volume
 - Distribution Percentage

FIGURE 5

PROJECT TRIP DISTRIBUTION AND ASSIGNMENT



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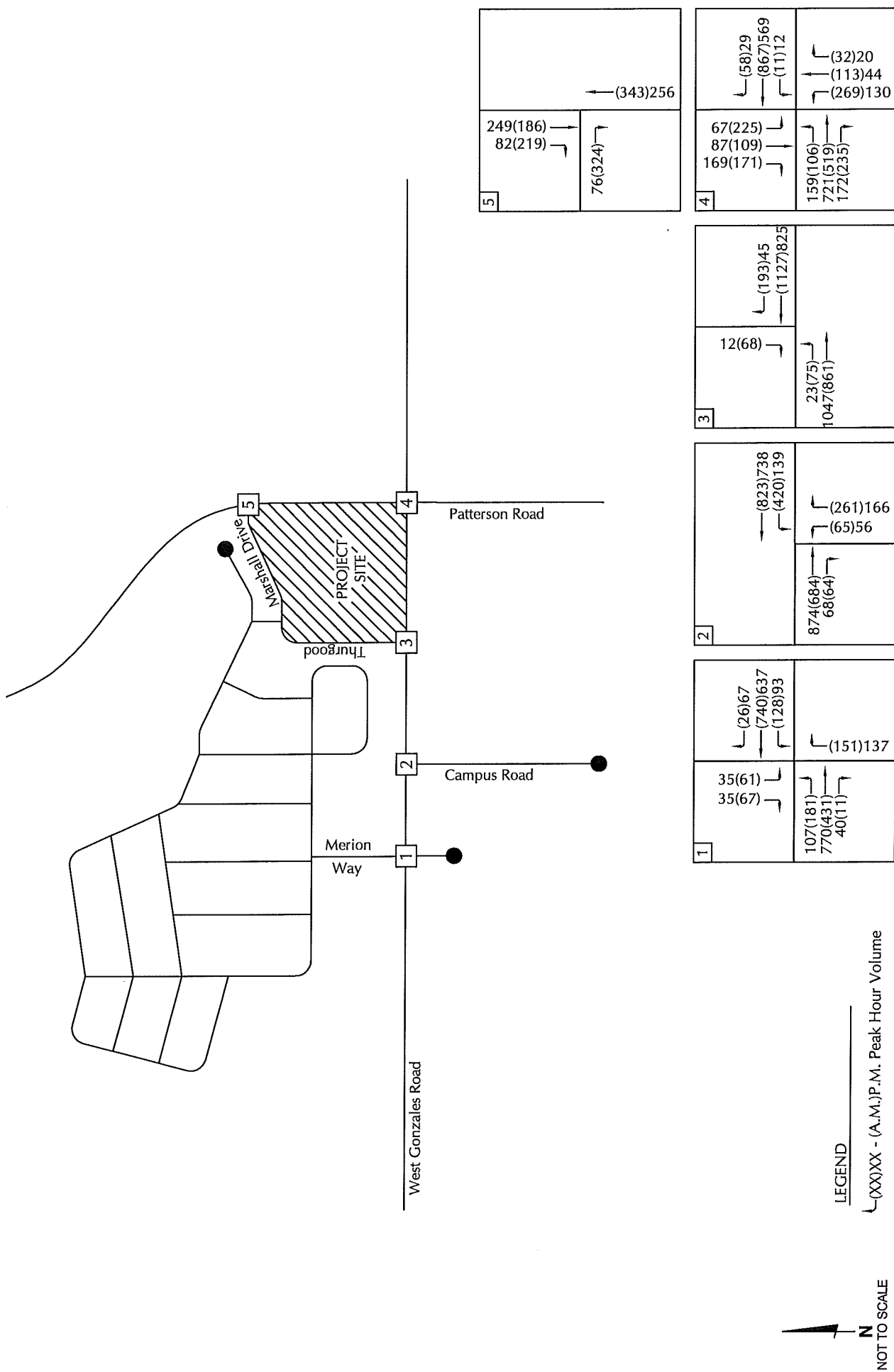
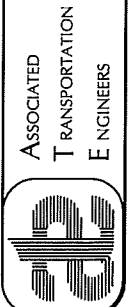


FIGURE 6

EXISTING + PROJECT TRAFFIC VOLUMES



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**Table 5
Existing + Project P.M. Peak Hour Levels of Service**

| Intersection | Existing | | Existing + Project | | Change | Impact? |
|--|-----------|-------|--------------------|-------|----------|---------|
| | ICU/Delay | LOS | ICU/Delay | LOS | | |
| Gonzales Road/Merion Way | 0.38 | LOS A | 0.38 | LOS A | 0.00 | No |
| Gonzales Road/Campus Road | 0.45 | LOS A | 0.45 | LOS A | 0.00 | No |
| Gonzales Road/Thurgood Marshall Drive | 10.6 sec. | LOS B | 10.8 sec. | LOS B | 0.2 sec. | No |
| Gonzales Road/Patterson Road | 0.47 | LOS A | 0.47 | LOS A | 0.00 | No |
| Patterson Road/Thurgood Marshall Drive | 10.6 sec. | LOS B | 10.7 sec. | LOS B | 0.1 sec. | No |

The data presented in Tables 4 and 5 indicate that the project would not significantly impact the study-area intersections based on City of Oxnard impact thresholds.

CUMULATIVE CONDITIONS (EXISTING + APPROVED/PENDING PROJECTS)

Cumulative Trip Generation

The City of Oxnard requires that intersections be analyzed assuming the addition of traffic generated by projects which have been approved or are pending within the project study-area. ATE and City staff identified 2 approved/pending projects in the vicinity which would add traffic to the study-area intersections. The trip generation estimates for the projects were obtained from the traffic studies prepared for each project. Table 6 summarizes the average daily, A.M. and P.M. peak hour trip generation estimates for the approved/pending projects.

**Table 6
Approved/Pending Projects Trip Generation**

| Project | Trip Generation | | |
|-------------------------|-----------------|----------------|----------------|
| | ADT | A.M. Peak Hour | P.M. Peak Hour |
| Teal Club Specific Plan | 13,794 | 1,094 | 1,359 |
| Ventura/Vineyard Homes | 2,294 | 175 | 216 |
| Total Trip Generation: | 16,088 | 1,269 | 1,575 |

Note: A school site was evaluated in the Teal Club Specific Plan.

Table 6 indicates that the approved/pending projects would generate a total of 16,088 average daily trips, 1,269 A.M. peak hour trips and 1,575 P.M. peak hour trips. The traffic generated by the approved/pending projects was distributed and assigned to the study-area intersections based on the location of each project, recent traffic studies, existing traffic patterns as well as a general knowledge of the population, employment and commercial centers in Oxnard. Figure 7 illustrates the cumulative peak hour traffic volumes at the study-area intersections. Cumulative levels of service for the study-area intersections are shown in Table 7.

**Table 7
Cumulative Levels of Service**

| Intersection | A.M. Peak Hour | | P.M. Peak Hour | |
|--|----------------|-------|----------------|-------|
| | ICU/Delay | LOS | ICU/Delay | LOS |
| Gonzales Road/Merion Way | 0.44 | LOS A | 0.38 | LOS A |
| Gonzales Road/Campus Road | 0.60 | LOS A | 0.46 | LOS A |
| Gonzales Road/Thurgood Marshall Drive | 15.1 sec. | LOS C | 10.8 sec. | LOS B |
| Gonzales Road/Patterson Road | 0.56 | LOS A | 0.50 | LOS A |
| Patterson Road/Thurgood Marshall Drive | 14.1 sec. | LOS B | 11.0 sec. | LOS B |

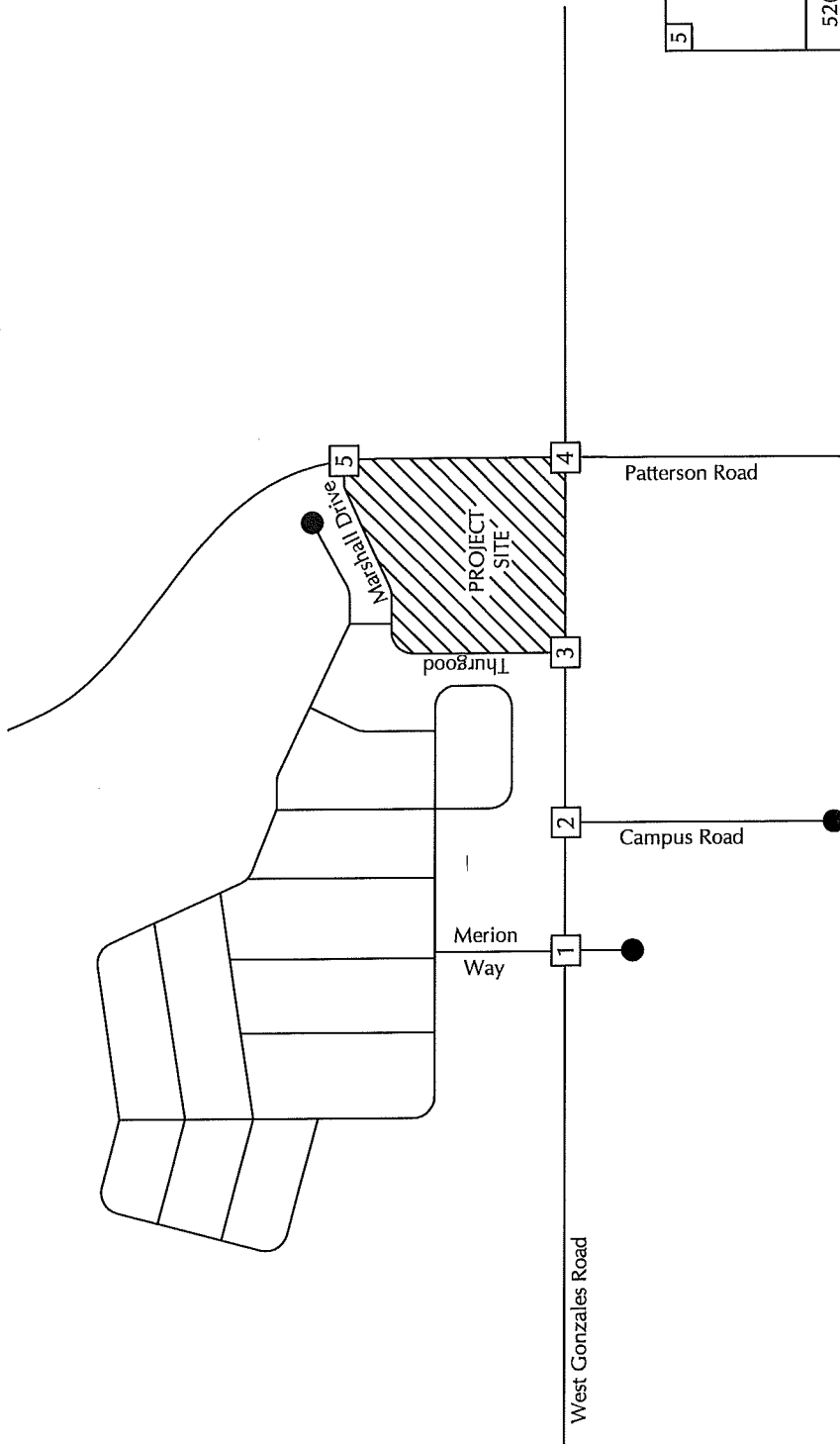
The data presented in Table 7 indicate that the study-area intersections would operate at LOS C or better during the A.M. peak hour and P.M. peak hour periods with the Cumulative traffic.

CUMULATIVE + PROJECT OPERATIONS

Level of service were calculated for the study-area intersections assuming the Cumulative + Project volumes illustrated on Figure 8. Tables 8 and 9 show the results of the calculations and identify the impacts of the project based on City of Oxnard thresholds.

**Table 8
Cumulative + Project Levels of Service - A.M. Peak Hour**

| Intersection | Cumulative | | Cumulative + Project | | Change | Impact? |
|--|------------|-------|----------------------|-------|----------|---------|
| | ICU/Delay | LOS | ICU/Delay | LOS | | |
| Gonzales Road/Merion Way | 0.44 | LOS A | 0.45 | LOS A | 0.01 | No |
| Gonzales Road/Campus Road | 0.60 | LOS A | 0.60 | LOS A | 0.00 | No |
| Gonzales Road/Thurgood Marshall Drive | 15.1 sec. | LOS C | 16.0 sec. | LOS C | 0.9 sec. | No |
| Gonzales Road/Patterson Road | 0.56 | LOS A | 0.57 | LOS A | 0.01 | No |
| Patterson Road/Thurgood Marshall Drive | 14.1 sec. | LOS B | 17.1 sec. | LOS C | 3.0 sec. | No |



| | | |
|---|---|---|
| 5 | <p>265(208) →</p> <p>70(173) ↘</p> <p>52(253) ↗</p> | <p>← (317)269</p> |
| 4 | <p>49(171) ↘</p> <p>91(100) ↘</p> <p>175(185) ↘</p> | <p>← (58)29</p> <p>← (846)563</p> <p>← (11)12</p> |
| 3 | <p>8(55) ↘</p> | <p>← (152)34</p> <p>← (1150)867</p> |
| 2 | <p>← (841)776</p> <p>← (420)139</p> | <p>← (261)166</p> <p>← (65)56</p> |
| 1 | <p>← (26)67</p> <p>← (758)705</p> <p>← (128)93</p> | <p>← (151)137</p> |
| | <p>107(181) ↗</p> <p>794(449) ↗</p> <p>40(11) ↗</p> | <p>174(110) ↗</p> <p>721(519) ↗</p> <p>185(253) ↗</p> |


 NOT TO SCALE
 LEGEND
 (XXX)XX - (A.M.)P.M. Peak Hour Volume

FIGURE 7

CUMULATIVE TRAFFIC VOLUMES



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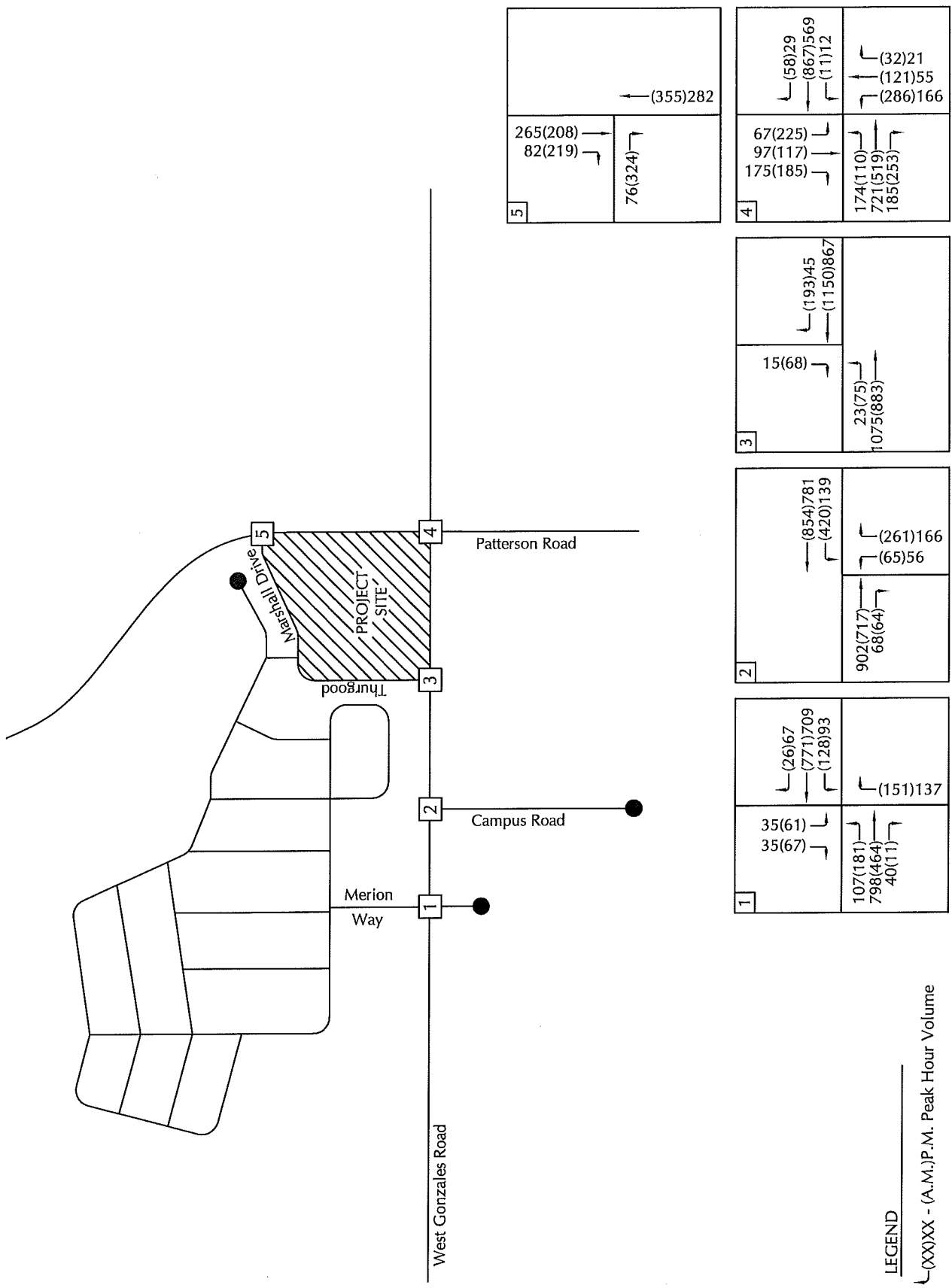
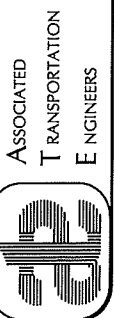


FIGURE 8

CUMULATIVE + PROJECT TRAFFIC VOLUMES



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**Table 9
Cumulative + Project Levels of Service - P.M. Peak Hour**

| Intersection | Cumulative | | Cumulative + Project | | Change | Impact? |
|--|------------|-------|----------------------|-------|----------|---------|
| | ICU/Delay | LOS | ICU/Delay | LOS | | |
| Gonzales Road/Merion Way | 0.38 | LOS A | 0.39 | LOS A | 0.01 | No |
| Gonzales Road/Campus Road | 0.46 | LOS A | 0.46 | LOS A | 0.00 | No |
| Gonzales Road/Thurgood Marshall Drive | 10.8 sec. | LOS B | 11.4 sec. | LOS B | 0.6 sec. | No |
| Gonzales Road/Patterson Road | 0.50 | LOS A | 0.50 | LOS A | 0.00 | No |
| Patterson Road/Thurgood Marshall Drive | 11.0 sec. | LOS B | 11.3 sec. | LOS B | 0.3 sec. | No |

The data presented in Tables 8 and 9 indicate that the project would not contribute to a significant cumulative impact on the study-area intersections based on City of Oxnard impact thresholds.

SITE ACCESS AND CIRCULATION

As illustrated on Figure 2, primary access to the project site would be provided by 2 driveway connections on Thurgood Marshall Drive. The project driveways on Thurgood Marshall Drive are inbound and outbound only providing a counter clockwise circulation pattern for pick-ups and drop-offs. The project parking lot is being modified to increase the parking supply from 68 parking spaces to 88 parking spaces, however there will be no modifications to the on-site circulation system. No additional site access or circulation improvements are planned as part of the school expansion.

Pedestrian Facilities

There are extensive pedestrian facilities (crosswalks/sidewalks etc.) located in the study-area. Existing sidewalks are provided along Gonzales Road, Patterson Road and Thurgood Marshall Drive. The sidewalks connect the school to the residential neighborhoods surrounding the school. Crosswalks are provided at each of the study-area intersections. A mid-block crosswalk with curb extensions is provided on the north-south segment of Thurgood Marshall Drive. An additional crosswalk with curb extensions is provided on Thurgood Marshall Drive at the Dora Canyon Drive intersection. These crosswalks connect the school with the adjacent residential community. No additional pedestrian facilities are planned as part of the school expansion.

Crossing guards are provided on Thurgood Marshall Drive near the entrance of the school. The School District may wish to consider additional crossing guards locations as part of the expansion project.

Bicycle Facilities

Gonzales Road and Patterson Road are identified as part of the City of Oxnard Bikeway System. Class II bike lanes exist along Gonzales Road from Victoria Avenue to "C" Street. Class II bike lanes exist along Patterson Road from Doris Avenue to Gonzales Road. A multi-use path exists on Patterson Road from Gonzales Road to Vineyard Avenue. The multi-use path connects to the Class II bike lane on Vineyard Avenue. No additional bicycle facilities are planned as part of the school expansion.

Parking Analysis

A total of 88 on-site parking spaces will be provided as part of the Thurgood Marshall School expansion. ATE evaluated the adequacy of the on-site parking supply based on a parking demand survey and empirical parking demand data to determine if the parking supply is sufficient to meet the peak parking demands.

Parking demands for the existing elementary school were qualified based on a parking survey conducted at the school. Peak demand estimates for the new school classrooms were developed based on parking rates for Middle School/Junior High School (Land Use Code 522) land uses published in the Institute of Transportation Engineers (ITE), Parking Generation, 4th Edition. Table 10 summarizes the results of the parking demand analysis.

Table 10
ITE Peak Parking Demand

| Site Component | Size | Parking Demand Ratio | Peak Parking Demand | Existing Parking Demand | Peak Parking Demand | Parking Provided |
|----------------|--------------|-----------------------|---------------------|-------------------------|---------------------|------------------|
| Middle School | 345 students | 1 space/0.09 students | 31 spaces | 42 spaces | 73 spaces | 88 spaces |

The existing peak parking demand for the 555 student elementary school is 42 parking spaces. Based the ITE parking demand rates, the new 345 middle school students would generate a peak parking demand of 31 additional spaces. Based on the parking survey and the empirical parking demand data, the peak parking demand is 73 parking spaces. The 88 on-site parking spaces would accommodate the peak parking demands for the Thurgood Marshall School.

COLLISION ANALYSIS

ATE staff reviewed collision data for the Gonzales Road/Merion Way, Gonzales Road/Campus Road, Gonzales Road/Thurgood Marshall Drive, Gonzales Road/Patterson Road and Patterson Road/Thurgood Marshall Drive intersections. The collision data covers a five-year period from January 2009 to December 2013. The collision data is contained in the Technical Appendix.

At the signalized Gonzales Road/Merion Way intersection, there were a total of 6 collisions with no reported fatalities. The accident rate calculated for the Gonzales Road/Merion Way intersection is 0.17 accidents per million entering vehicles. The statewide average collision rate for similar signalized intersections is 0.43. Table 11 summarizes the results of the collision analysis.

**Table 11
Collision Data - Gonzales Road/Merion Way**

| Intersection | Collisions | Accident Rate | Statewide Average |
|--------------------------|-------------------|----------------------|--------------------------|
| Gonzales Road/Merion Way | 6 | 0.17 | 0.43 |

At the signalized Gonzales Road/Campus Road intersection, there were a total of 2 collisions with no reported fatalities. The accident rate calculated for the Gonzales Road/Campus Road intersection is 0.05 accidents per million entering vehicles. The statewide average collision rate for similar signalized intersections is 0.43. Table 12 summarizes the results of the collision analysis.

**Table 12
Collision Data - Gonzales Road/Campus Road**

| Intersection | Collisions | Accident Rate | Statewide Average |
|---------------------------|-------------------|----------------------|--------------------------|
| Gonzales Road/Campus Road | 2 | 0.05 | 0.43 |

At the unsignalized Gonzales Road/Thurgood Marshall Drive intersection, there were a total of 4 collisions with no reported fatalities. The accident rate calculated for the Gonzales Road/Thurgood Marshall Drive intersection is 0.11 accidents per million entering vehicles. The statewide average collision rate for similar unsignalized intersections is 0.14. Table 13 summarizes the results of the collision analysis.

**Table 13
Collision Data - Gonzales Road/Thurgood Marshall Drive**

| Intersection | Collisions | Accident Rate | Statewide Average |
|---------------------------------------|-------------------|----------------------|--------------------------|
| Gonzales Road/Thurgood Marshall Drive | 4 | 0.11 | 0.43 |

At the signalized Gonzales Road/Patterson Road intersection, there were a total of 21 collisions with no reported fatalities. The accident rate calculated for the Gonzales Road/Patterson Road intersection is 0.54 accidents per million entering vehicles. The

statewide average collision rate for similar signalized intersections is 0.43. Table 14 summarizes the results of the collision analysis. ATE utilized the Caltrans significance test to determine if the number of accidents at the Gonzales Road/Patterson Road intersection were significant. There were 21 reported accidents at the Gonzales Road/Patterson Road intersection which were found to be less than significant (29 accidents required to meet significance threshold).

**Table 14
Collision Data - Gonzales Road/Patterson Road**

| Intersection | Collisions | Accident Rate | Statewide Average |
|------------------------------|-------------------|----------------------|--------------------------|
| Gonzales Road/Patterson Road | 21 | 0.54 | 0.43 |

At the unsignalized Patterson Road/Thurgood Marshall Drive intersection, there were a total of 2 collisions with no reported fatalities. The accident rate calculated for the Patterson Road/Thurgood Marshall Drive intersection is 0.30 accidents per million entering vehicles. The statewide average collision rate for similar unsignalized intersections is 0.14. Table 15 summarizes the results of the collision analysis. There were 2 reported accidents at the Patterson Road/Thurgood Marshall Drive intersection which were found to be less than significant (5 accidents required to meet significance threshold).

**Table 15
Collision Data - Patterson Road/Thurgood Marshall Drive**

| Intersection | Collisions | Accident Rate | Statewide Average |
|--|-------------------|----------------------|--------------------------|
| Patterson Road/Thurgood Marshall Drive | 2 | 0.30 | 0.14 |

The accident rates for the majority of the study-area intersections are significantly less than the statewide accident rates for similar intersections. There was one collision involving a pedestrian reported. That collision occurred at the Gonzales Road/Patterson Road intersection at 8:00 A.M. during the morning school arrival period. Based on the Caltrans significance test, the number of accidents at the Gonzales Road/Patterson Road and Patterson Road/Thurgood Marshall Drive intersections were found to be less than significant.

VENTURA COUNTY GENERAL PLAN CONSISTENCY

The City of Oxnard and Ventura County have executed a "Reciprocal Traffic Mitigation Agreement" wherein the City and the County agree that a pro-rata share of the cost of mitigations will be collected by each agency for identified traffic impacts in the other jurisdiction. The project would be consistent with the Ventura County General Plan by complying with the terms of the "Reciprocal Traffic Mitigation Agreement" between the City of Oxnard and the County of Ventura approved on February 2, 1993.

VENTURA COUNTY CONGESTION MANAGEMENT PROGRAM

According to the County's Congestion Management Program (CMP), the minimum acceptable standard for traffic operations is LOS "E".¹ However, so that local jurisdictions are not unfairly penalized for existing congestion, CMP locations currently operating in the LOS "F" range are considered acceptable.

Intersection Operation

The study-area intersections along Gonzales Road and Patterson Road are contained in the County's CMP. All of the intersections are forecast to operate at LOS C or better with Cumulative + Project peak hour volumes, and thus would not exceed the CMP LOS E standard.



¹ Traffic LOS Monitoring for Ventura County Congestion Management Program, Ventura County Transportation Commission, 2009.

REFERENCES AND PERSONS CONTACTED

Associated Transportation Engineers

Scott A. Schell, AICP, PTP, Principal Planner
Darryl F. Nelson, PTP, Senior Transportation Planner
Matthew Farrington, Transportation Planner

Persons Contacted

Earnel Bihis, City of Oxnard

References

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Trip Generation, Institute of Transportation Engineers, 9th Edition, 2012.

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The Teal Club Specific Plan EIR, Traffic Impact Study, Stantec, May 2015.

TECHNICAL APPENDIX

CONTENTS

INTERSECTION TRAFFIC COUNT DATA

INTERSECTION LEVEL OF SERVICE CRITERIA/DEFINITIONS

INTERSECTION LEVEL OF SERVICE CALCULATION WORKSHEETS

Reference 1 - Gonzales Road/Merion Way

Reference 2 - Gonzales Road/Campus Road

Reference 3 - Gonzales Road/Thurgood Marshall Drive

Reference 4 - Gonzales Road/Patterson Road

Reference 5 - Patterson Road/Thurgood Marshall Drive

CALTRANS COLLISION DATA

INTERSECTION TRAFFIC COUNT DATA

ITM Peak Hour Summary

Prepared by:



National Data & Surveying Services

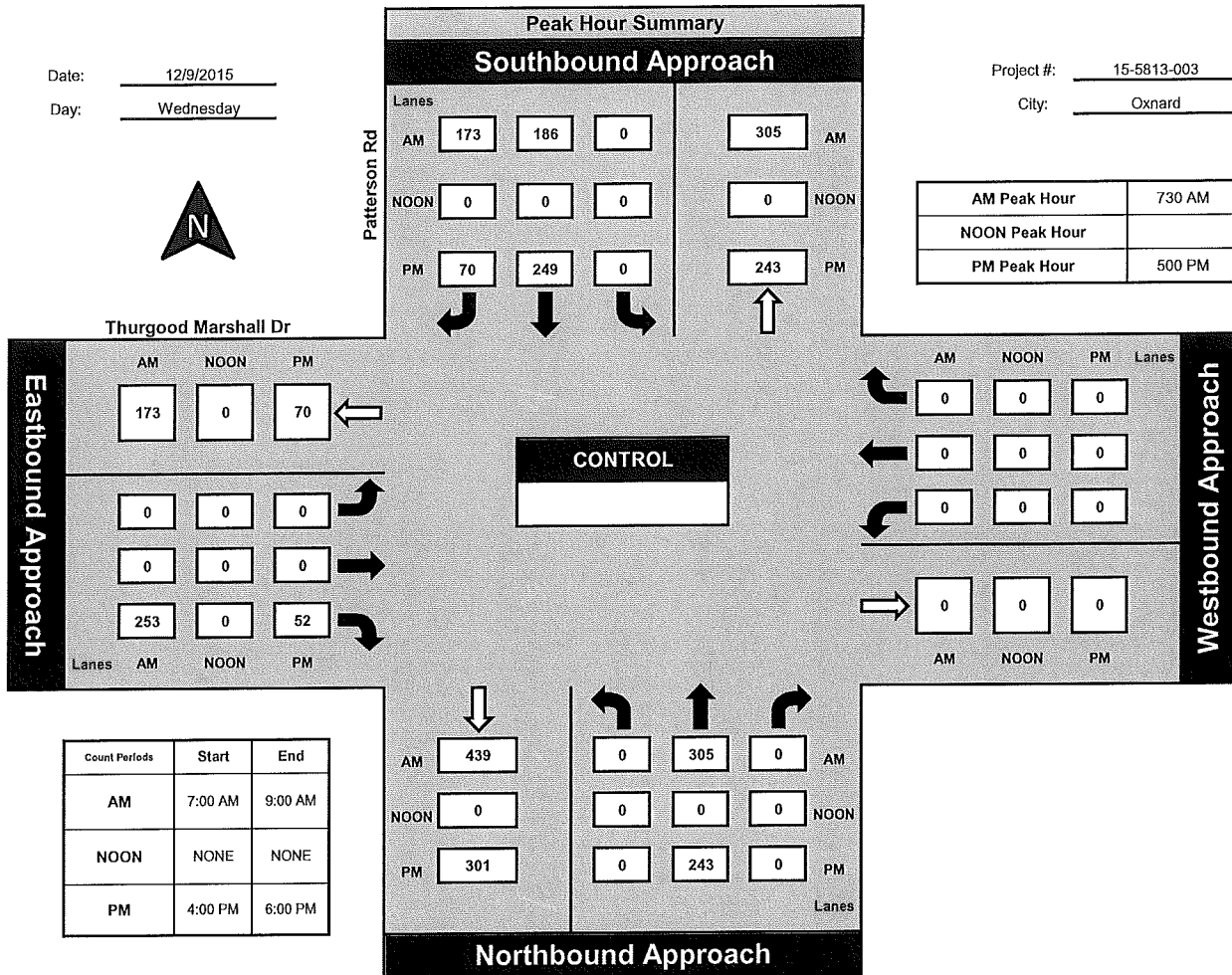
Patterson Rd and Thurgood Marshall Dr, Oxnard

Date: 12/9/2015

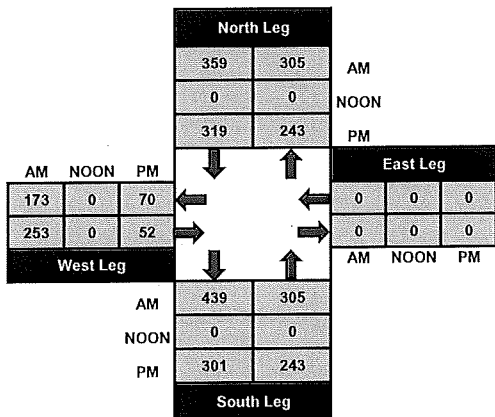
Day: Wednesday

Project #: 15-5813-003

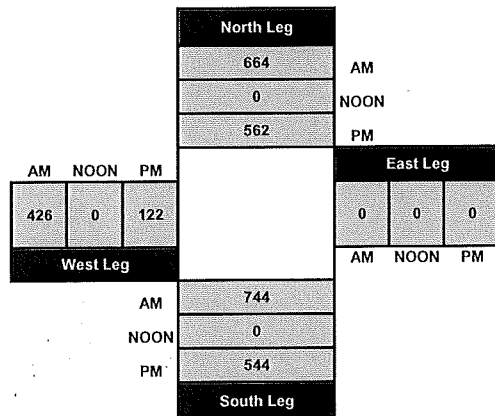
City: Oxnard



Total Ins & Outs



Total Volume Per Leg



ITM Peak Hour Summary

Prepared by:



National Data & Surveying Services

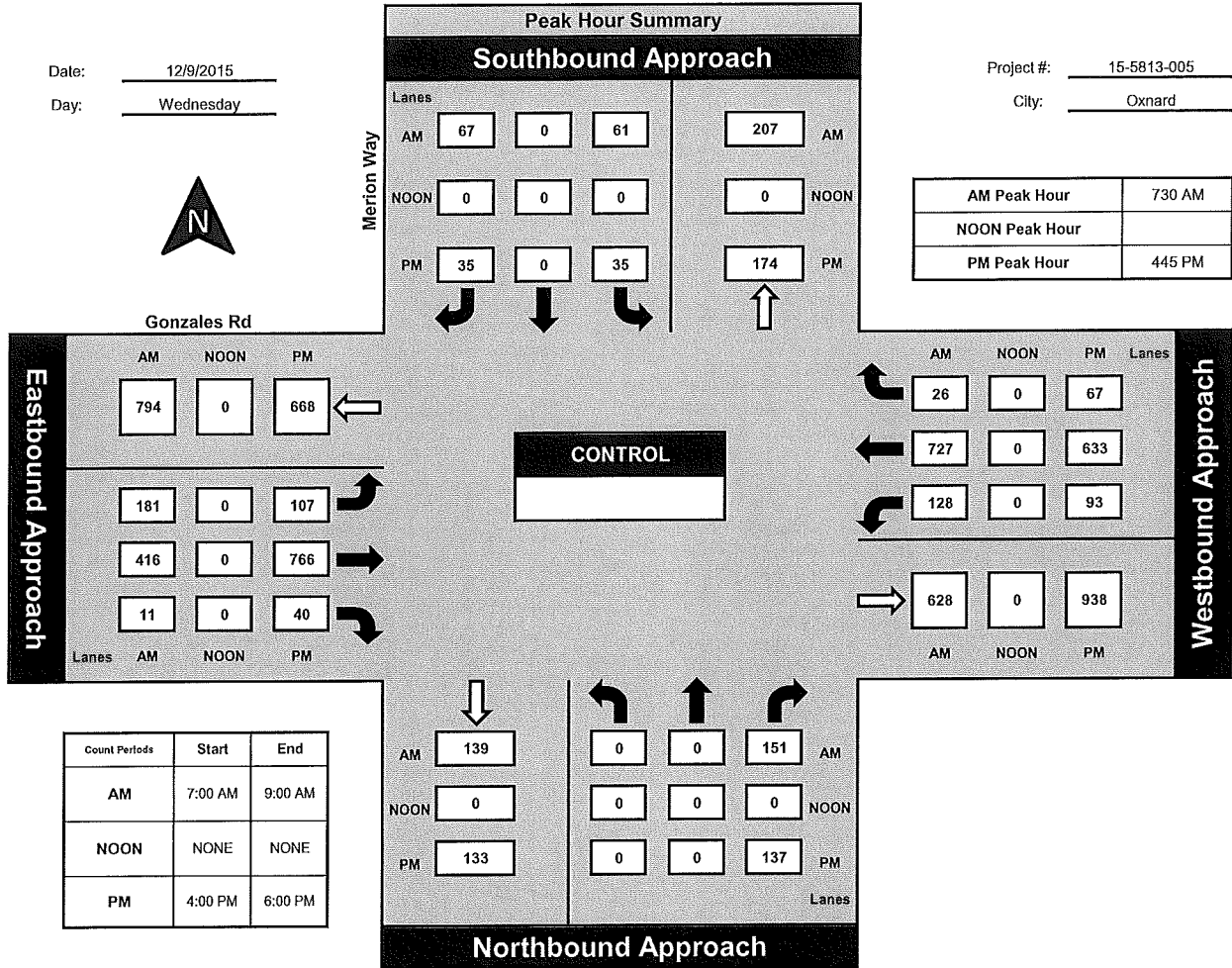
Merion Way and Gonzales Rd, Oxnard

Date: 12/9/2015

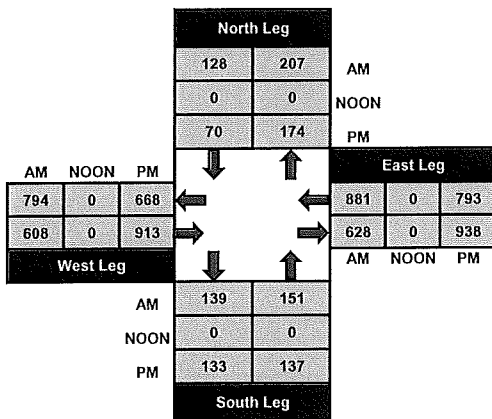
Day: Wednesday

Project #: 15-5813-005

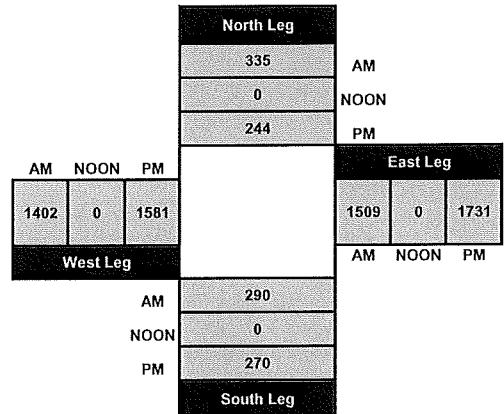
City: Oxnard



Total Ins & Outs



Total Volume Per Leg



ITM Peak Hour Summary

Prepared by:

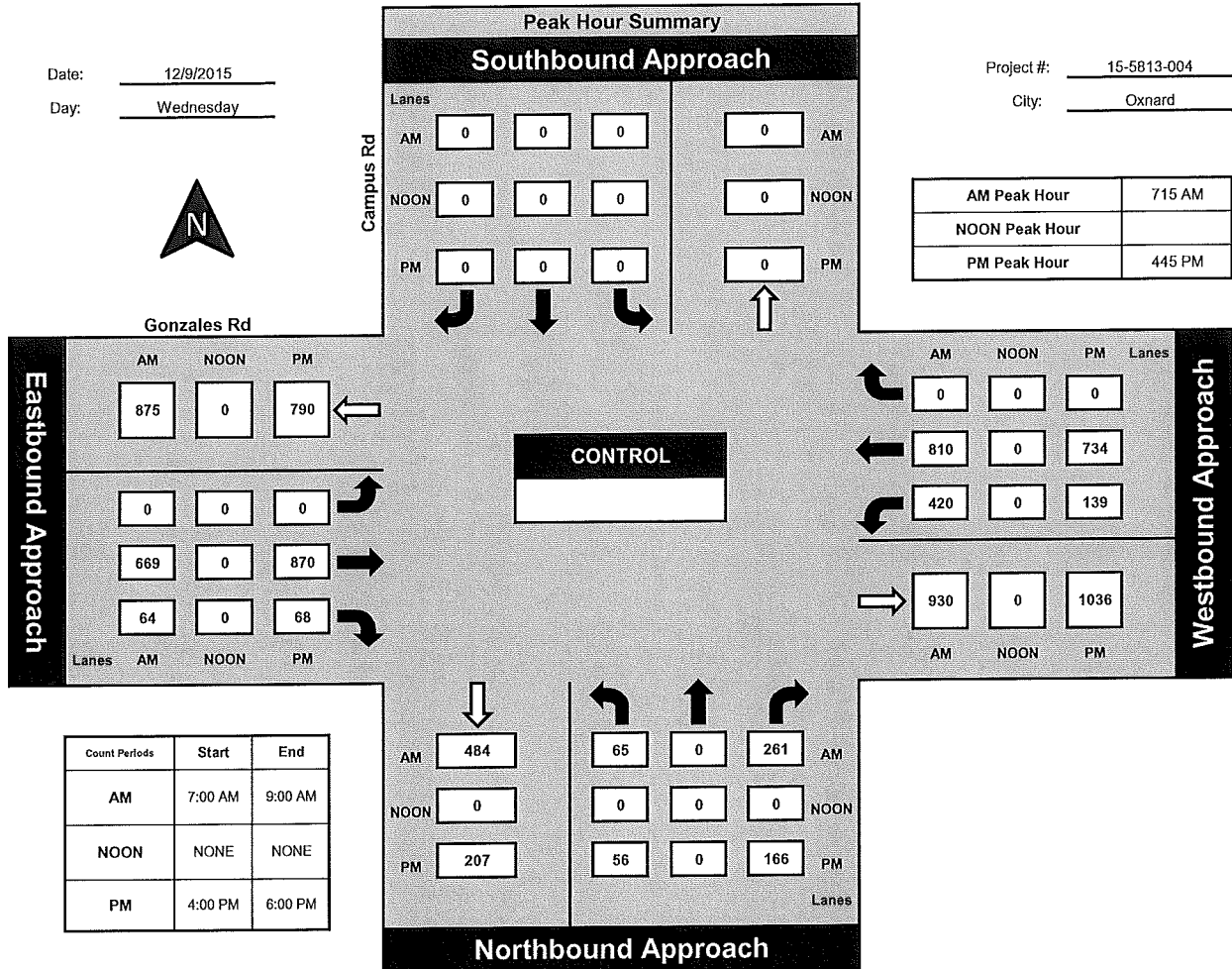


National Data & Surveying Services

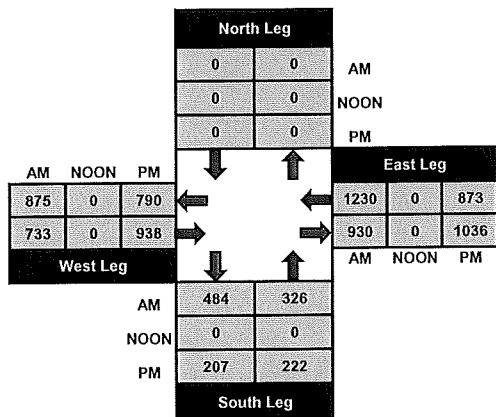
Campus Rd and Gonzales Rd, Oxnard

Date: 12/9/2015
Day: Wednesday

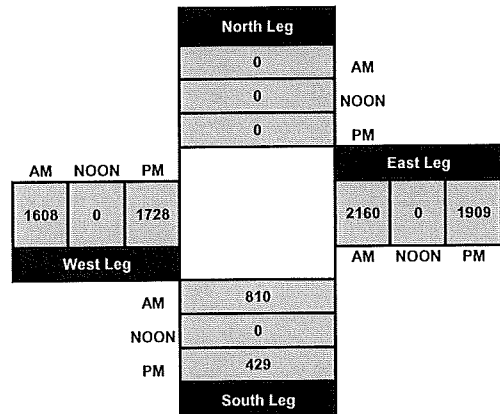
Project #: 15-5813-004
City: Oxnard



Total Ins & Outs



Total Volume Per Leg



ITM Peak Hour Summary

Prepared by:

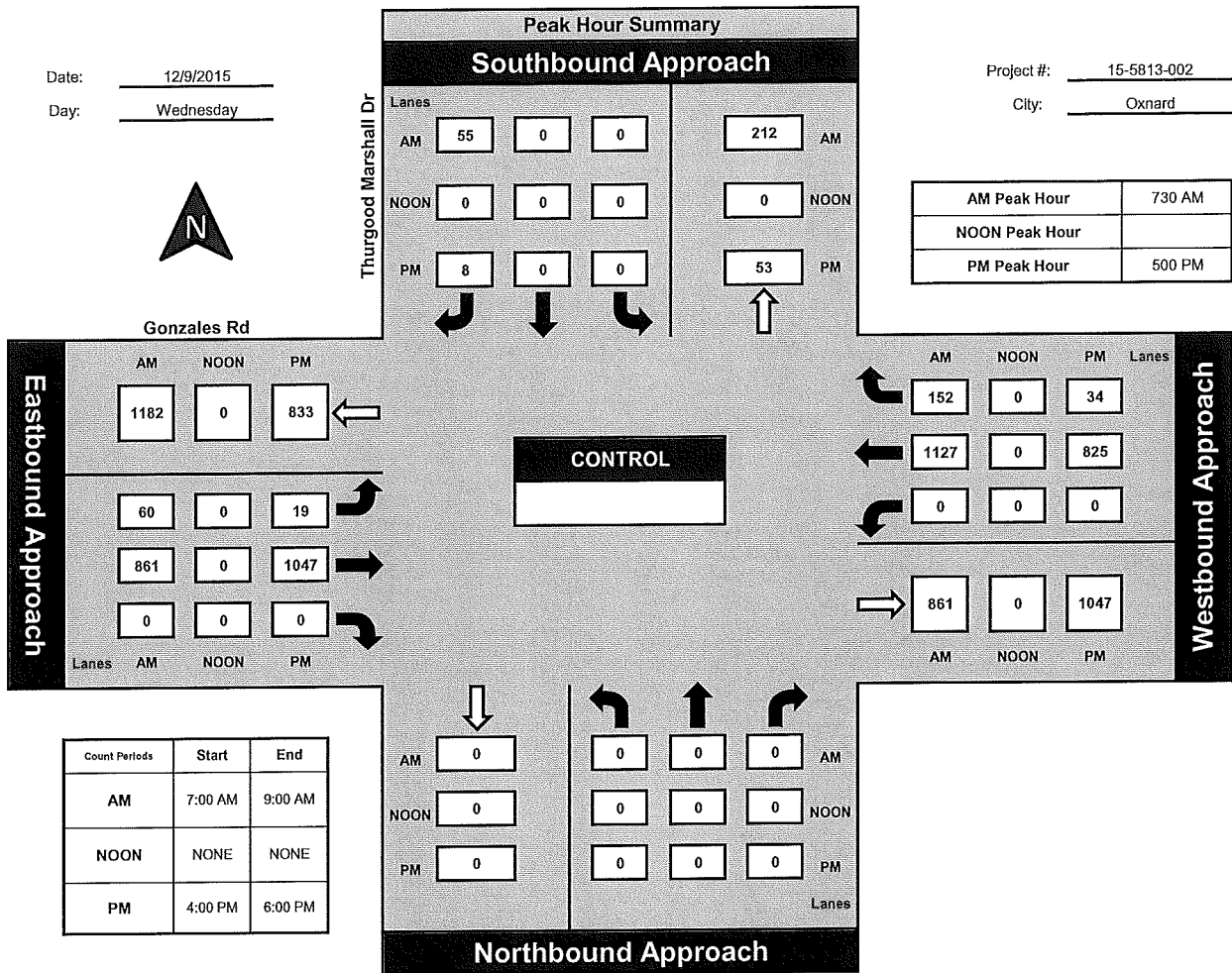


National Data & Surveying Services

Thurgood Marshall Dr and Gonzales Rd , Oxnard

Date: 12/9/2015
Day: Wednesday

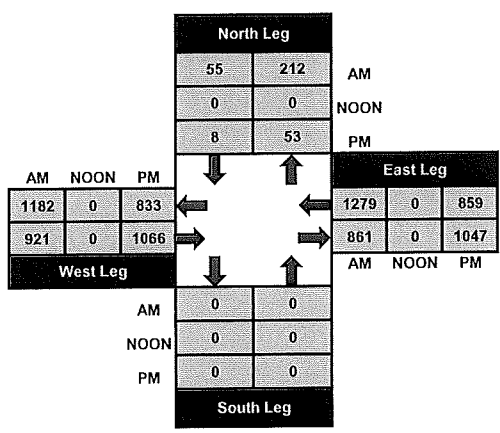
Project #: 15-5813-002
City: Oxnard



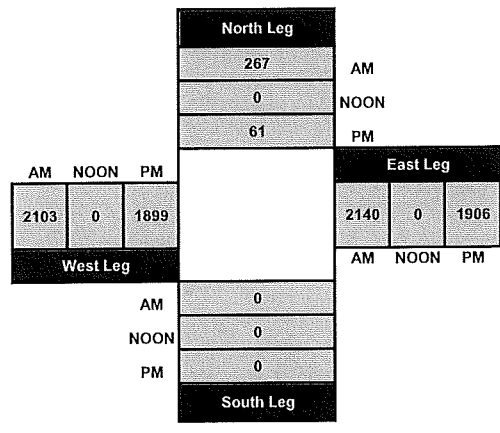
| | |
|----------------|--------|
| AM Peak Hour | 730 AM |
| NOON Peak Hour | |
| PM Peak Hour | 500 PM |

| Count Periods | Start | End |
|---------------|---------|---------|
| AM | 7:00 AM | 9:00 AM |
| NOON | NONE | NONE |
| PM | 4:00 PM | 6:00 PM |

Total Ins & Outs



Total Volume Per Leg



ITM Peak Hour Summary

Prepared by:



National Data & Surveying Services

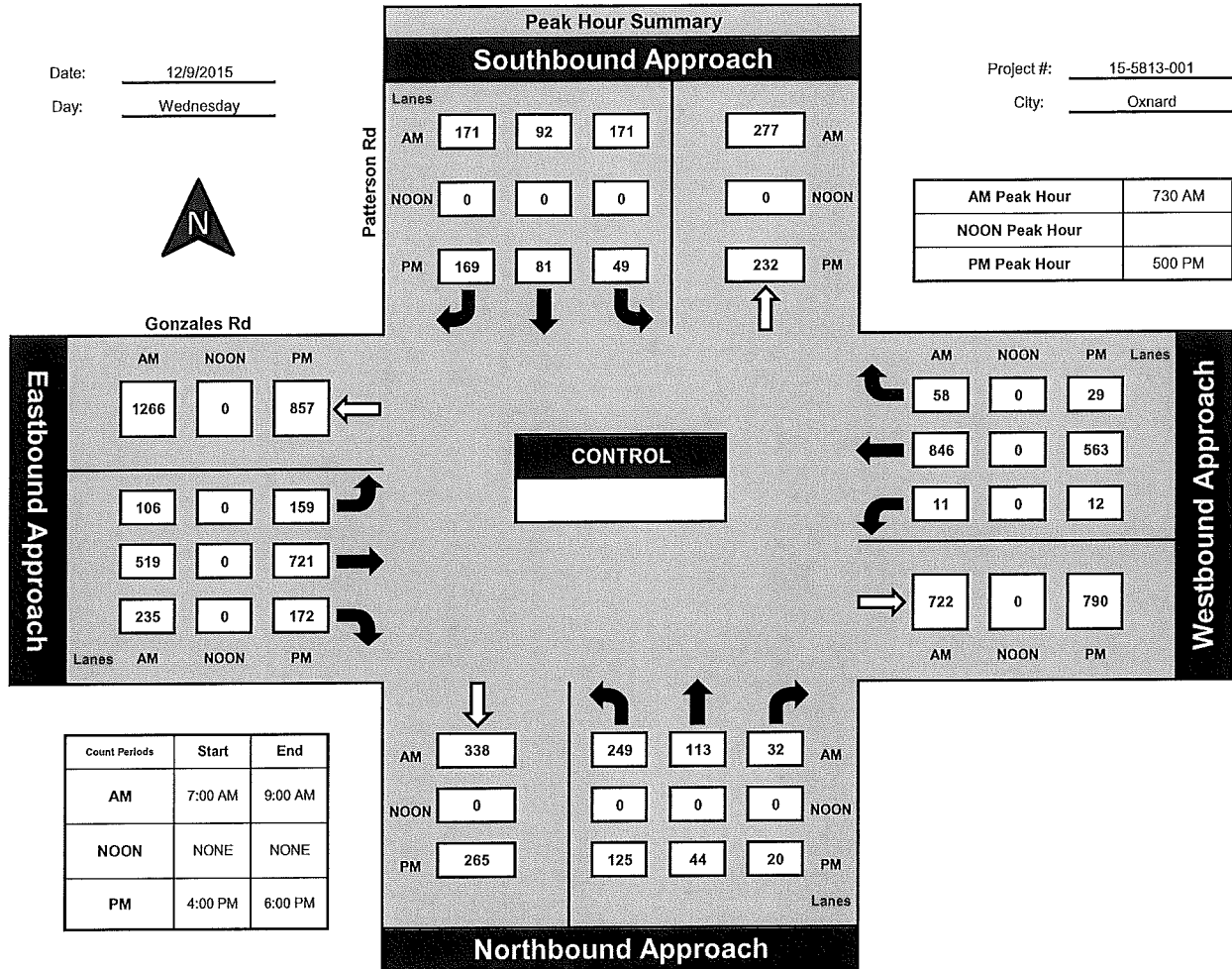
Patterson Rd and Gonzales Rd, Oxnard

Date: 12/9/2015

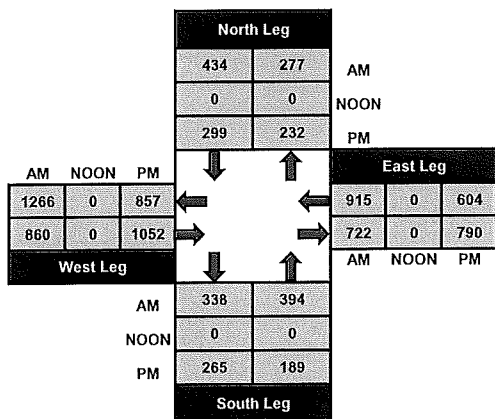
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Project #: 15-5813-001

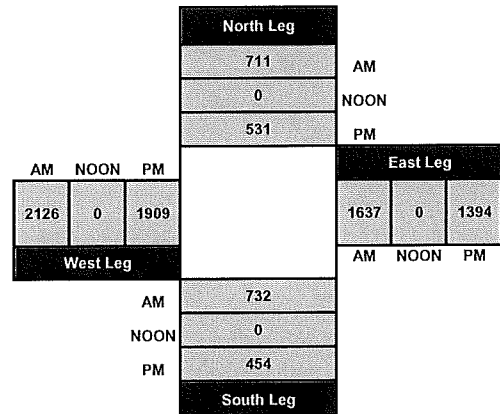
City: Oxnard



Total Ins & Outs



Total Volume Per Leg



INTERSECTION LEVEL OF SERVICE CRITERIA/DEFINITIONS

LEVEL OF SERVICE DEFINITIONS

"Levels of Service" (LOS) A through F are used to rate roadway and intersection operating conditions, with LOS A indicating very good operations and LOS F indicating poor operations. More complete level of service definitions are:

| LOS | Definition |
|-----|---|
| A | Low volumes; primarily free flow operations. Density is low and vehicles can freely maneuver within traffic stream. Drivers can maintain their desired speeds with little or no delay. |
| B | Stable flow with potential for some restriction of operating speeds due to traffic conditions. Maneuvering is only slightly restricted. Stopped delays are not bothersome and drivers are not subject to appreciable tension. |
| C | Stable operations, however the ability to maneuver is more restricted by the increase in traffic volumes. Relatively satisfactory operating speeds prevail but adverse signal coordination or longer queues cause delays. |
| D | Approaching unstable traffic flow where small increases in volume could cause substantial delays. Most drivers are restricted in their ability to maneuver and their selection of travel speeds. Comfort and convenience are low but tolerable. |
| E | Operations characterized by significant approach delays and average travel speeds of one-half to one-third of free flow speed. Flow is unstable and potential for stoppages of brief duration. High signal density, extensive queuing, or signal progression/timing are the typical causes of delays. |
| F | Forced flow operations with high approach delays at critical signalized intersections. Speeds are reduced substantially and stoppages may occur for short or long periods of time because of downstream congestion. |

Signalized Intersection Level of Service Definitions

| LOS | Delay ^a | V/C Ratio | Definition |
|-----|--------------------|-------------|--|
| A | < 10.0 | < 0.60 | Progression is extremely favorable. Most vehicles arrive during the green phase. Many vehicles do not stop at all. |
| B | 10.1 - 20.0 | 0.61 - 0.70 | Good progression, short cycle lengths, or both. More vehicles stop than with LOS A, causing higher levels of delay. |
| C | 20.1 - 35.0 | 0.71 - 0.80 | Only fair progression, longer cycle lengths, or both, result in higher cycle lengths. Cycle lengths may fail to serve queued vehicles, and overflow occurs. Number of vehicles stopped is significant, though many still pass through intersection without stopping. |
| D | 35.1 - 55.0 | 0.81 - 0.90 | Congestion becomes more noticeable. Unfavorable progression, long cycle lengths and high v/c ratios result in longer delays. Many vehicles stop, and the proportion of vehicles not stopping declines. Individual cycle failures are noticeable. |
| E | 55.1 - 80.0 | 0.91 - 1.00 | High delay values indicate poor progression, long cycle lengths and high v/c ratios. Individual cycle failures are frequent |
| F | > 80.0 | > 1.00 | Considered unacceptable for most drivers, this level occurs when arrival flow rates exceed the capacity of lane groups, resulting in many individual cycle failures. Poor progression and long cycle lengths may also contribute to high delay levels. |

^a Average control delay per vehicle in seconds.

Unsignalized Intersection Level of Service Definitions

The HCM¹ uses *control delay* to determine the level of service at unsignalized intersections. Control delay is the difference between the travel time actually experienced at the control device and the travel time that would occur in the absence of the traffic control device. Control delay includes deceleration from free flow speed, queue move-up time, stopped delay and acceleration back to free flow speed.

| LOS | Control Delay Seconds per Vehicle |
|-----|--------------------------------------|
| A | < 10.0 |
| B | 10.1 - 15.0 |
| C | 15.1 - 25.0 |
| D | 25.1 - 35.0 |
| E | 35.1 - 50.0 |
| F | > 50.0 |

¹ Highway Capacity Manual, National Research Board, 2000



DISCUSSION OF INTERSECTION CAPACITY UTILIZATION (ICU)

The ability of a roadway to carry traffic is referred to as capacity. The capacity is usually less at intersections because traffic flows continuously between them and only during the green phase at them. Capacity at intersections is best defined in terms of vehicles per lane per hour of green. The technique used to compare the volumes and capacity of an intersection is known as Intersection Capacity Utilization (ICU). ICU or volume-to-capacity ratio, usually expressed as a percentage, is the proportion of an hour required to provide sufficient capacity to accommodate all intersection traffic if all approaches operate at capacity. If an intersection is operating at 80 percent of capacity, then 20 percent of the signal cycle is not used.

The ICU calculation assumes that an intersection is signalized and that the signal is ideally timed. Although calculating ICU for an unsignalized intersection is invalid, the presumption is that a signal can be installed and the calculation shows whether the geometrics are capable of accommodating the expected volumes. It is possible to have an ICU well below 100 percent, yet have severe traffic congestion. This would occur if one or more movements is not getting sufficient time to satisfy its demand, and excess time exists on other movements. This is an operational problem which should be addressed.

Capacity is often defined in terms of roadway width. However, standard lanes have approximately the same capacity whether they are 11 or 14 feet wide. Data collected by Kunzman Associates indicates a typical lane, whether a through-lane or a left-turn lane, has a capacity of approximately 1,700 vehicles per hour, with nearly all locations showing a capacity greater than 1,600 vehicles per hour per lane. This finding is published in the August, 1978 issue of ITE Journal in the article entitled, "Another Look at Signalized Intersection Capacity" by William Kunzman. For this study, a capacity of 1,600 vehicles per hour per lane will be assumed for left-turn, through, and right-turn lanes as per City policy.

The yellow time can either be assumed to be completely used and no penalty applied, or it can be assumed to be only partially usable. Total yellow time accounts for less than 10 percent of a cycle, and a penalty of up to five percent is reasonable. On the other hand, during peak hour traffic operation, the yellow times are nearly completely used. In this study, no penalty will be applied for the yellow because the capacities have been assumed to be only 1,600 vehicles per hour per lane when in general they are 1,700-1,800 vehicles per hour per lane.

The ICU technique is an ideal tool to quantify existing as well as future intersection operations. The impact of adding a lane can be quickly determined by examining the effect the lane has on the intersection capacity utilization.

Source: Oxnard Airport Business Park Traffic Study, Kunzman Assoc., City of Oxnard, 1985.

INTERSECTION LOS CALCULATION WORKSHEETS

- Reference 1 - Gonzales Road/Merion Way**
- Reference 2 - Gonzales Road/Campus Road**
- Reference 3 - Gonzales Road/Thurgood Marshall Drive**
- Reference 4 - Gonzales Road/Patterson Road**
- Reference 5 - Patterson Road/Thurgood Marshall Drive**

THURGOOD MARSHALL SCHOOL PROJECT (#15098)
 INTERSECTION CAPACITY UTILIZATION WORKSHEET
 COUNT DATE: 12/16/2015
 TIME PERIOD: A.M. PEAK HOUR
 N/S STREET: MERION WAY
 E/W STREET: GONZALES ROAD
 CONTROL TYPE: SIGNAL

REF: 01 AM

TRAFFIC VOLUME SUMMARY

| VOLUMES | NORTH BOUND | | | SOUTH BOUND | | | EAST BOUND | | | WEST BOUND | | |
|--------------------|-------------|---|-----|-------------|---|----|------------|-----|----|------------|-----|----|
| | L | T | R | L | T | R | L | T | R | L | T | R |
| (A) EXISTING: | 0 | 0 | 151 | 61 | 0 | 67 | 181 | 416 | 11 | 128 | 737 | 26 |
| (B) PROJECT-ADDED: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 13 | 0 |
| (C) CUMULATIVE: | 0 | 0 | 151 | 61 | 0 | 67 | 181 | 449 | 11 | 128 | 758 | 26 |

GEOMETRICS

| LANE GEOMETRICS | NORTH BOUND | | SOUTH BOUND | | EAST BOUND | | WEST BOUND | |
|-----------------|-------------|---|-------------|---|------------|---|------------|---|
| | R | R | L | R | L | T | T | R |

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
 SCENARIO 2 = EXISTING + PROJECT VOLUMES (A+B)
 SCENARIO 3 = CUMULATIVE (C)
 SCENARIO 4 = CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

| MOVE-MENTS | # OF LANES | CAPACITY | SCENARIO VOLUMES | | | | SCENARIO V/C RATIOS | | | | | |
|---|------------|----------|------------------|-----|-----|-----|---------------------|-------------|-------------|-------------|--|--|
| | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | |
| NBL | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| NBT | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| NBR | 2 | 3200 | 151 | 151 | 151 | 151 | 0.047 * | 0.047 * | 0.047 * | 0.047 * | | |
| SBL | 1 | 1600 | 61 | 61 | 61 | 61 | 0.038 * | 0.038 * | 0.038 * | 0.038 * | | |
| SBT | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| SBR | 1 | 1600 | 67 | 67 | 67 | 67 | 0.042 | 0.042 | 0.042 | 0.042 | | |
| EBL | 1 | 1600 | 181 | 181 | 181 | 181 | 0.113 * | 0.113 * | 0.113 * | 0.113 * | | |
| EBT | 2 | 3200 | 416 | 431 | 449 | 464 | 0.133 | 0.138 | 0.144 | 0.148 | | |
| EBR | 0 | 0 | 11 | 11 | 11 | 11 | - | - | - | - | | |
| WBL | 1 | 1600 | 128 | 128 | 128 | 128 | 0.080 | 0.080 | 0.080 | 0.080 | | |
| WBT | 2 | 3200 | 737 | 750 | 758 | 771 | 0.238 * | 0.243 * | 0.245 * | 0.249 * | | |
| WBR | 0 | 0 | 26 | 26 | 26 | 26 | - | - | - | - | | |
| TOTAL INTERSECTION CAPACITY UTILIZATION: | | | | | | | 0.44 | 0.44 | 0.44 | 0.45 | | |
| SCENARIO LEVEL OF SERVICE: | | | | | | | A | A | A | A | | |

NOTES:

THURGOOD MARSHALL SCHOOL PROJECT (#15098)
 INTERSECTION CAPACITY UTILIZATION WORKSHEET
 COUNT DATE: 12/16/2015
 TIME PERIOD: P.M. PEAK HOUR
 N/S STREET: MERION WAY
 E/W STREET: GONZALES ROAD
 CONTROL TYPE: SIGNAL

REF: 01 PM

TRAFFIC VOLUME SUMMARY

| VOLUMES | NORTH BOUND | | | SOUTH BOUND | | | EAST BOUND | | | WEST BOUND | | |
|--------------------|-------------|---|-----|-------------|---|----|------------|-----|----|------------|-----|----|
| | L | T | R | L | T | R | L | T | R | L | T | R |
| (A) EXISTING: | 0 | 0 | 137 | 35 | 0 | 35 | 107 | 766 | 40 | 93 | 633 | 67 |
| (B) PROJECT-ADDED: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 0 |
| (C) CUMULATIVE: | 0 | 0 | 137 | 35 | 0 | 35 | 107 | 794 | 40 | 93 | 705 | 67 |

GEOMETRICS

| LANE GEOMETRICS | NORTH BOUND | | SOUTH BOUND | | EAST BOUND | | WEST BOUND | |
|-----------------|-------------|---|-------------|---|------------|---|------------|---|
| | R | R | L | R | L | T | T | R |

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
 SCENARIO 2 = EXISTING + PROJECT VOLUMES (A+B)
 SCENARIO 3 = CUMULATIVE (C)
 SCENARIO 4 = CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

| MOVE- MENTS | # OF LANES | CAPACITY | SCENARIO VOLUMES | | | | SCENARIO V/C RATIOS | | | | | |
|--|---------------|----------|------------------|-----|-----|-----|---------------------|---------|---------|---------|--|--|
| | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | |
| NBL | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| NBT | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| NBR | 2 | 3200 | 137 | 137 | 137 | 137 | 0.043 * | 0.043 * | 0.043 * | 0.043 * | | |
| SBL | 1 | 1600 | 35 | 35 | 35 | 35 | 0.022 * | 0.022 * | 0.022 * | 0.022 * | | |
| SBT | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| SBR | 1 | 1600 | 35 | 35 | 35 | 35 | 0.022 | 0.022 | 0.022 | 0.022 | | |
| EBL | 1 | 1600 | 107 | 107 | 107 | 107 | 0.067 | 0.067 | 0.067 | 0.067 | | |
| EBT | 2 | 3200 | 766 | 770 | 794 | 798 | 0.252 * | 0.253 * | 0.261 * | 0.262 * | | |
| EBR | 0 | 0 | 40 | 40 | 40 | 40 | - | - | - | - | | |
| WBL | 1 | 1600 | 93 | 93 | 93 | 93 | 0.058 * | 0.058 * | 0.058 * | 0.058 * | | |
| WBT | 2 | 3200 | 633 | 637 | 705 | 709 | 0.219 | 0.220 | 0.241 | 0.243 | | |
| WBR | 0 | 0 | 67 | 67 | 67 | 67 | - | - | - | - | | |
| TOTAL INTERSECTION CAPACITY UTILIZATION: | | | | | | | 0.38 | 0.38 | 0.38 | 0.39 | | |
| SCENARIO LEVEL OF SERVICE: | | | | | | | A | A | A | A | | |

NOTES:

THURGOOD MARSHALL SCHOOL PROJECT (#15098)
 INTERSECTION CAPACITY UTILIZATION WORKSHEET
 COUNT DATE: 12/16/2015
 TIME PERIOD: A.M. PEAK HOUR
 N/S STREET: CAMPUS ROAD
 E/W STREET: GONZALES ROAD
 CONTROL TYPE: SIGNAL

REF: 02 AM

TRAFFIC VOLUME SUMMARY

| VOLUMES | NORTH BOUND | | | SOUTH BOUND | | | EAST BOUND | | | WEST BOUND | | |
|--------------------|-------------|---|-----|-------------|---|---|------------|-----|----|------------|-----|---|
| | L | T | R | L | T | R | L | T | R | L | T | R |
| (A) EXISTING: | 65 | 0 | 261 | 0 | 0 | 0 | 0 | 669 | 64 | 420 | 810 | 0 |
| (B) PROJECT-ADDED: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 13 | 0 |
| (C) CUMULATIVE: | 65 | 0 | 261 | 0 | 0 | 0 | 0 | 702 | 64 | 420 | 841 | 0 |

GEOMETRICS

| LANE GEOMETRICS | NORTH BOUND | | SOUTH BOUND | | EAST BOUND | | WEST BOUND | |
|-----------------|-------------|---|-------------|---|------------|----|------------|----|
| | L | R | L | R | T | TR | L | TT |
| | | | | | | | | |

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
 SCENARIO 2 = EXISTING + PROJECT VOLUMES (A+B)
 SCENARIO 3 = CUMULATIVE (C)
 SCENARIO 4 = CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

| MOVE-MENTS | # OF LANES | CAPACITY | SCENARIO VOLUMES | | | | SCENARIO V/C RATIOS | | | | | |
|---|------------|----------|------------------|-----|-----|-----|---------------------|-------------|-------------|-------------|--|--|
| | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | |
| NBL | 0 | 0 | 65 | 65 | 65 | 65 | - | - | - | - | | |
| NBT | 2 | 3200 | 0 | 0 | 0 | 0 | 0.102 * | 0.102 * | 0.102 * | 0.102 * | | |
| NBR | 0 | 0 | 261 | 261 | 261 | 261 | - | - | - | - | | |
| SBL | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| SBT | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| SBR | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| EBL | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| EBT | 2 | 3200 | 669 | 684 | 702 | 717 | 0.229 * | 0.234 * | 0.239 * | 0.244 * | | |
| EBR | 0 | 0 | 64 | 64 | 64 | 64 | - | - | - | - | | |
| WBL | 1 | 1600 | 420 | 420 | 420 | 420 | 0.263 * | 0.263 * | 0.263 * | 0.263 * | | |
| WBT | 2 | 3200 | 810 | 823 | 841 | 854 | 0.253 | 0.257 | 0.263 | 0.267 | | |
| WBR | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| TOTAL INTERSECTION CAPACITY UTILIZATION: | | | | | | | 0.59 | 0.60 | 0.60 | 0.61 | | |
| SCENARIO LEVEL OF SERVICE: | | | | | | | A | A | A | B | | |

NOTES:

THURGOOD MARSHALL SCHOOL PROJECT (#15098)
 INTERSECTION CAPACITY UTILIZATION WORKSHEET
 COUNT DATE: 12/16/2015
 TIME PERIOD: P.M. PEAK HOUR
 N/S STREET: CAMPUS ROAD
 E/W STREET: GONZALES ROAD
 CONTROL TYPE: SIGNAL

REF: 02 PM

TRAFFIC VOLUME SUMMARY

| VOLUMES | NORTH BOUND | | | SOUTH BOUND | | | EAST BOUND | | | WEST BOUND | | |
|--------------------|-------------|---|-----|-------------|---|---|------------|-----|----|------------|-----|---|
| | L | T | R | L | T | R | L | T | R | L | T | R |
| (A) EXISTING: | 56 | 0 | 166 | 0 | 0 | 0 | 0 | 870 | 68 | 139 | 734 | 0 |
| (B) PROJECT-ADDED: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 0 |
| (C) CUMULATIVE: | 56 | 0 | 166 | 0 | 0 | 0 | 0 | 898 | 68 | 139 | 776 | 0 |

GEOMETRICS

| LANE GEOMETRICS | NORTH BOUND | | SOUTH BOUND | | EAST BOUND | | WEST BOUND | |
|-----------------|-------------|---|-------------|---|------------|----|------------|----|
| | LR | R | L | R | T | TR | L | TT |

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
 SCENARIO 2 = EXISTING + PROJECT VOLUMES (A+B)
 SCENARIO 3 = CUMULATIVE (C)
 SCENARIO 4 = CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

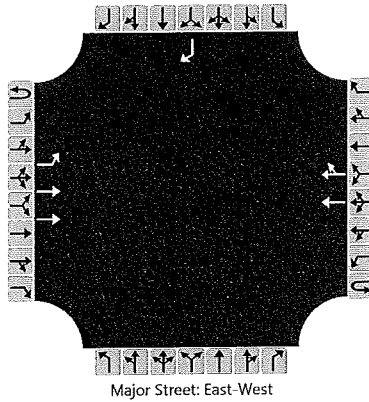
| MOVE-MENTS | # OF LANES | CAPACITY | SCENARIO VOLUMES | | | | SCENARIO V/C RATIOS | | | | | |
|---|------------|----------|------------------|-----|-----|-----|---------------------|-------------|-------------|-------------|--|--|
| | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | |
| NBL | 0 | 0 | 56 | 56 | 56 | 56 | - | - | - | - | | |
| NBT | 2 | 3200 | 0 | 0 | 0 | 0 | 0.069 * | 0.069 * | 0.069 * | 0.069 * | | |
| NBR | 0 | 0 | 166 | 166 | 166 | 166 | - | - | - | - | | |
| SBL | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| SBT | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| SBR | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| EBL | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| EBT | 2 | 3200 | 870 | 874 | 898 | 902 | 0.293 * | 0.294 * | 0.302 * | 0.303 * | | |
| EBR | 0 | 0 | 68 | 68 | 68 | 68 | - | - | - | - | | |
| WBL | 1 | 1600 | 139 | 139 | 139 | 139 | 0.087 * | 0.087 * | 0.087 * | 0.087 * | | |
| WBT | 2 | 3200 | 734 | 738 | 776 | 780 | 0.229 | 0.231 | 0.243 | 0.244 | | |
| WBR | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| TOTAL INTERSECTION CAPACITY UTILIZATION: | | | | | | | 0.45 | 0.45 | 0.46 | 0.46 | | |
| SCENARIO LEVEL OF SERVICE: | | | | | | | A | A | A | A | | |

NOTES:

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Gonzales Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Gonzales Road |
| Analysis Year | 2015 | North/South Street | Thurgood Marshall Drive |
| Time Analyzed | A.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|-------|-------|---|-----------|---|-------|-------|------------|---|---|---|------------|----|----|-------|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | | 0 | 0 | 0 | | 0 | 0 | 1 |
| Configuration | | L | T | | | | T | TR | | | | | | | | R |
| Volume (veh/h) | | 60 | 861 | | | | 1127 | 152 | | | | | | | | 55 |
| Percent Heavy Vehicles | | 3 | | | | | | | | | | | | | | 3 |
| Proportion Time Blocked | | 0.000 | 0.000 | | | | 0.000 | 0.000 | | | | | | | | 0.000 |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Left Only | | | | | | | | | | | | | | | |
| Median Storage | 1 | | | | | | | | | | | | | | | |

Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | |
|------------------------|-----|------|--|--|--|--|--|--|--|--|--|--|------|--|--|------|
| Flow Rate (veh/h) | | 65 | | | | | | | | | | | | | | 60 |
| Capacity | | 483 | | | | | | | | | | | | | | 381 |
| v/c Ratio | | 0.13 | | | | | | | | | | | | | | 0.16 |
| 95% Queue Length | | 0.5 | | | | | | | | | | | | | | 0.6 |
| Control Delay (s/veh) | | 13.6 | | | | | | | | | | | | | | 16.2 |
| Level of Service (LOS) | | B | | | | | | | | | | | | | | C |
| Approach Delay (s/veh) | 0.9 | | | | | | | | | | | | 16.2 | | | |
| Approach LOS | A | | | | | | | | | | | | C | | | |

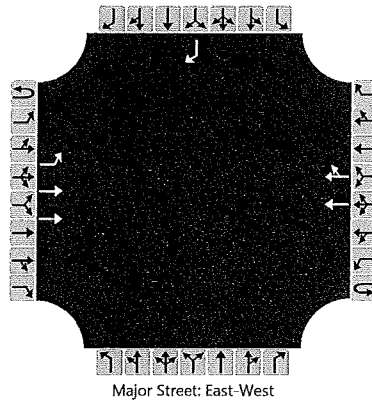
Average weighted Delay = 14.8 sec.

LOS B-

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | | | Site Information | | | |
|--------------------------|--------------------------|--|--|----------------------------|-------------------------|--|--|
| Analyst | Darryl F. Nelson | | | Intersection | Gonzales Road/TM Drive | | |
| Agency/Co. | ATE | | | Jurisdiction | City of Oxnard | | |
| Date Performed | 12/15/2015 | | | East/West Street | Gonzales Road | | |
| Analysis Year | 2015 | | | North/South Street | Thurgood Marshall Drive | | |
| Time Analyzed | A.M. Peak Hour | | | Peak Hour Factor | 0.92 | | |
| Intersection Orientation | East-West | | | Analysis Time Period (hrs) | 0.25 | | |
| Project Description | Thurgood Marshall School | | | | | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|-------|-------|---|-----------|---|-------|-------|------------|---|---|---|------------|----|----|-------|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | | 0 | 0 | 0 | | 0 | 0 | 1 |
| Configuration | | L | T | | | | T | TR | | | | | | | | R |
| Volume (veh/h) | | 19 | 1047 | | | | 825 | 34 | | | | | | | | 8 |
| Percent Heavy Vehicles | | 3 | | | | | | | | | | | | | | 3 |
| Proportion Time Blocked | | 0.000 | 0.000 | | | | 0.000 | 0.000 | | | | | | | | 0.000 |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Left Only | | | | | | | | | | | | | | | |
| Median Storage | 1 | | | | | | | | | | | | | | | |

Delay, Queue Length, and Level of Service

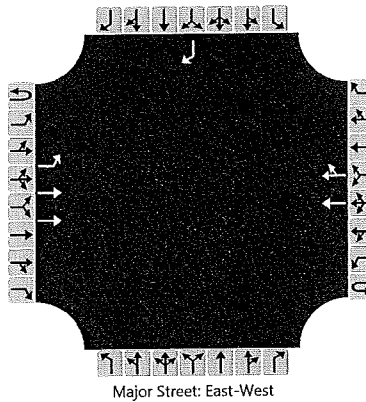
| | | | | | | | | | | | | | | | | |
|------------------------|-----|------|--|--|--|--|--|--|--|--|--|--|------|--|--|------|
| Flow Rate (veh/h) | | 21 | | | | | | | | | | | | | | 9 |
| Capacity | | 723 | | | | | | | | | | | | | | 536 |
| v/c Ratio | | 0.03 | | | | | | | | | | | | | | 0.02 |
| 95% Queue Length | | 0.1 | | | | | | | | | | | | | | 0.1 |
| Control Delay (s/veh) | | 10.1 | | | | | | | | | | | | | | 11.8 |
| Level of Service (LOS) | | B | | | | | | | | | | | | | | B |
| Approach Delay (s/veh) | 0.2 | | | | | | | | | | | | 11.8 | | | |
| Approach LOS | A | | | | | | | | | | | | B | | | |

Average Weighted Delay = 10.6 sec. [LOS B]

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Gonzales Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Gonzales Road |
| Analysis Year | 2015 | North/South Street | Thurgood Marshall Drive |
| Time Analyzed | A.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|-------|-------|---|-----------|---|-------|-------|------------|---|---|---|------------|----|----|-------|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Priority | | | | | | | | | | | | | | | | |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | | 0 | 0 | 0 | | 0 | 0 | 1 |
| Configuration | | L | T | | | | T | TR | | | | | | | | R |
| Volume (veh/h) | | 75 | 861 | | | | 1127 | 193 | | | | | | | | 68 |
| Percent Heavy Vehicles | | 3 | | | | | | | | | | | | | | 3 |
| Proportion Time Blocked | | 0.000 | 0.000 | | | | 0.000 | 0.000 | | | | | | | | 0.000 |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Left Only | | | | | | | | | | | | | | | |
| Median Storage | 1 | | | | | | | | | | | | | | | |

Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | | |
|------------------------|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|------|------|
| Flow Rate (veh/h) | | 82 | | | | | | | | | | | | | | | 74 |
| Capacity | | 464 | | | | | | | | | | | | | | | 367 |
| v/c Ratio | | 0.18 | | | | | | | | | | | | | | | 0.20 |
| 95% Queue Length | | 0.6 | | | | | | | | | | | | | | | 0.7 |
| Control Delay (s/veh) | | 14.4 | | | | | | | | | | | | | | | 17.3 |
| Level of Service (LOS) | | B | | | | | | | | | | | | | | | C |
| Approach Delay (s/veh) | | 1.2 | | | | | | | | | | | | | | 17.3 | |
| Approach LOS | | A | | | | | | | | | | | | | | C | |

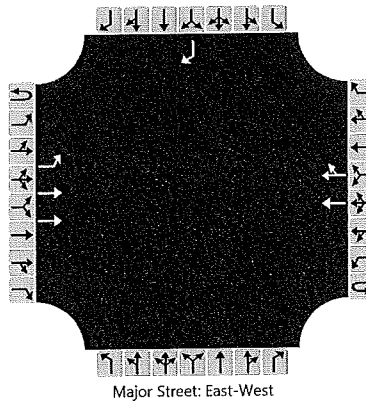
Average Weighted Delay = 15.6 sec.

LOS C

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Gonzales Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Gonzales Road |
| Analysis Year | 2015 | North/South Street | Thurgood Marshall Drive |
| Time Analyzed | P.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|-------|-------|---|-----------|---|-------|-------|------------|---|---|---|------------|----|----|-------|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Priority | | | | | | | | | | | | | | | | |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | | 0 | 0 | 0 | | 0 | 0 | 1 |
| Configuration | | L | T | | | | T | TR | | | | | | | | R |
| Volume (veh/h) | | 23 | 1047 | | | | 825 | 45 | | | | | | | | 12 |
| Percent Heavy Vehicles | | 3 | | | | | | | | | | | | | | 3 |
| Proportion Time Blocked | | 0.000 | 0.000 | | | | 0.000 | 0.000 | | | | | | | | 0.000 |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Left Only | | | | | | | | | | | | | | | |
| Median Storage | 1 | | | | | | | | | | | | | | | |

Delay, Queue Length, and Level of Service

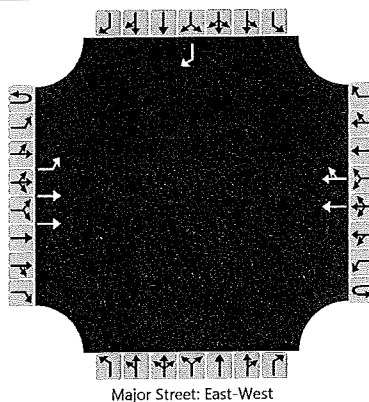
| | | | | | | | | | | | | | | | | | |
|------------------------|--|------|--|--|--|--|--|--|--|--|--|--|--|------|--|--|------|
| Flow Rate (veh/h) | | 25 | | | | | | | | | | | | | | | 13 |
| Capacity | | 715 | | | | | | | | | | | | | | | 531 |
| v/c Ratio | | 0.03 | | | | | | | | | | | | | | | 0.02 |
| 95% Queue Length | | 0.1 | | | | | | | | | | | | | | | 0.1 |
| Control Delay (s/veh) | | 10.2 | | | | | | | | | | | | | | | 11.9 |
| Level of Service (LOS) | | B | | | | | | | | | | | | | | | B |
| Approach Delay (s/veh) | | 0.2 | | | | | | | | | | | | 11.9 | | | |
| Approach LOS | | A | | | | | | | | | | | | B | | | |

Average weighted Delay = 10.8 sec. [LOS B]

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Gonzales Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Gonzales Road |
| Analysis Year | 2015 | North/South Street | Thurgood Marshall Drive |
| Time Analyzed | A.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|-------|-------|---|-----------|---|-------|-------|------------|---|---|---|------------|----|----|-------|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Priority | | | | | | | | | | | | | | | | |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | | 0 | 0 | 0 | | 0 | 0 | 1 |
| Configuration | | L | T | | | | T | TR | | | | | | | | R |
| Volume (veh/h) | | 60 | 883 | | | | 1150 | 152 | | | | | | | | 55 |
| Percent Heavy Vehicles | | 3 | | | | | | | | | | | | | | 3 |
| Proportion Time Blocked | | 0.000 | 0.000 | | | | 0.000 | 0.000 | | | | | | | | 0.000 |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Left Only | | | | | | | | | | | | | | | |
| Median Storage | 1 | | | | | | | | | | | | | | | |

Delay, Queue Length, and Level of Service

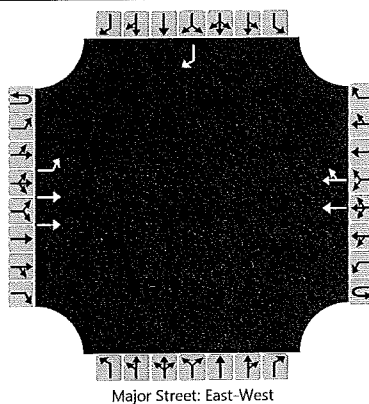
| | | | | | | | | | | | | | | | | | |
|------------------------|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|
| Flow Rate (veh/h) | | 65 | | | | | | | | | | | | | | | 60 |
| Capacity | | 473 | | | | | | | | | | | | | | | 373 |
| v/c Ratio | | 0.14 | | | | | | | | | | | | | | | 0.16 |
| 95% Queue Length | | 0.5 | | | | | | | | | | | | | | | 0.6 |
| Control Delay (s/veh) | | 13.8 | | | | | | | | | | | | | | | 16.5 |
| Level of Service (LOS) | | B | | | | | | | | | | | | | | | C |
| Approach Delay (s/veh) | | 0.9 | | | | | | | | | | | | | | | 16.5 |
| Approach LOS | | A | | | | | | | | | | | | | | | C |

Average Weighted Delay = 15.1 sec. LOS C

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Gonzales Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Gonzales Road |
| Analysis Year | 2015 | North/South Street | Thurgood Marshall Drive |
| Time Analyzed | A.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|-------|-------|---|-----------|---|-------|-------|------------|---|---|---|------------|----|----|-------|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Priority | | | | | | | | | | | | | | | | |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | | 0 | 0 | 0 | | 0 | 0 | 1 |
| Configuration | | L | T | | | | T | TR | | | | | | | | R |
| Volume (veh/h) | | 19 | 1075 | | | | 867 | 34 | | | | | | | | 8 |
| Percent Heavy Vehicles | | 3 | | | | | | | | | | | | | | 3 |
| Proportion Time Blocked | | 0.000 | 0.000 | | | | 0.000 | 0.000 | | | | | | | | 0.000 |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Left Only | | | | | | | | | | | | | | | |
| Median Storage | 1 | | | | | | | | | | | | | | | |

Delay, Queue Length, and Level of Service

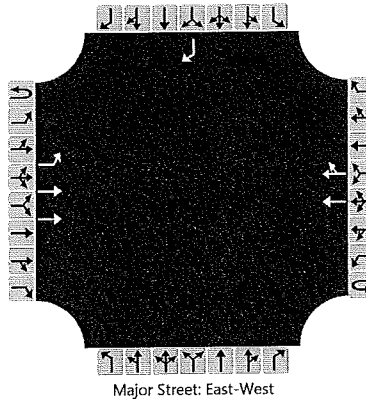
| | | | | | | | | | | | | | | | | | |
|------------------------|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|
| Flow Rate (veh/h) | | 21 | | | | | | | | | | | | | | | 9 |
| Capacity | | 695 | | | | | | | | | | | | | | | 518 |
| v/c Ratio | | 0.03 | | | | | | | | | | | | | | | 0.02 |
| 95% Queue Length | | 0.1 | | | | | | | | | | | | | | | 0.1 |
| Control Delay (s/veh) | | 10.3 | | | | | | | | | | | | | | | 12.1 |
| Level of Service (LOS) | | B | | | | | | | | | | | | | | | B |
| Approach Delay (s/veh) | | 0.2 | | | | | | | | | | | | | | | 12.1 |
| Approach LOS | | A | | | | | | | | | | | | | | | B |

Average weighted Delay = 10.8 sec. [LOS B]

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Gonzales Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Gonzales Road |
| Analysis Year | 2015 | North/South Street | Thurgood Marshall Drive |
| Time Analyzed | A.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|-------|-------|---|-----------|---|-------|-------|------------|---|---|---|------------|----|----|-------|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Priority | | | | | | | | | | | | | | | | |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | | 0 | 0 | 0 | | 0 | 0 | 1 |
| Configuration | | L | T | | | | T | TR | | | | | | | | R |
| Volume (veh/h) | | 75 | 883 | | | | 1150 | 193 | | | | | | | | 68 |
| Percent Heavy Vehicles | | 3 | | | | | | | | | | | | | | 3 |
| Proportion Time Blocked | | 0.000 | 0.000 | | | | 0.000 | 0.000 | | | | | | | | 0.000 |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Left Only | | | | | | | | | | | | | | | |
| Median Storage | 1 | | | | | | | | | | | | | | | |

Delay, Queue Length, and Level of Service

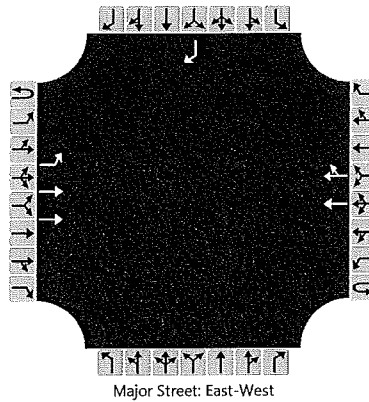
| | | | | | | | | | | | | | | | | | |
|------------------------|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|------|------|
| Flow Rate (veh/h) | | 82 | | | | | | | | | | | | | | | 74 |
| Capacity | | 454 | | | | | | | | | | | | | | | 361 |
| v/c Ratio | | 0.18 | | | | | | | | | | | | | | | 0.21 |
| 95% Queue Length | | 0.7 | | | | | | | | | | | | | | | 0.8 |
| Control Delay (s/veh) | | 14.7 | | | | | | | | | | | | | | | 17.5 |
| Level of Service (LOS) | | B | | | | | | | | | | | | | | | C |
| Approach Delay (s/veh) | | 1.2 | | | | | | | | | | | | | | 17.5 | |
| Approach LOS | | A | | | | | | | | | | | | | | C | |

Average Weighted Delay = 14.0 sec. LOS C

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Gonzales Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Gonzales Road |
| Analysis Year | 2015 | North/South Street | Thurgood Marshall Drive |
| Time Analyzed | P.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|-------|-------|---|-----------|---|-------|-------|------------|---|---|---|------------|----|----|-------|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Priority | | | | | | | | | | | | | | | | |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | | 0 | 0 | 0 | | 0 | 0 | 1 |
| Configuration | | L | T | | | | T | TR | | | | | | | | R |
| Volume (veh/h) | | 23 | 1075 | | | | 867 | 45 | | | | | | | | 15 |
| Percent Heavy Vehicles | | 3 | | | | | | | | | | | | | | 3 |
| Proportion Time Blocked | | 0.000 | 0.000 | | | | 0.000 | 0.000 | | | | | | | | 0.000 |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Left Only | | | | | | | | | | | | | | | |
| Median Storage | 1 | | | | | | | | | | | | | | | |

Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | |
|------------------------|-----|------|--|--|--|--|--|--|--|--|--|--|------|--|--|------|
| Flow Rate (veh/h) | | 25 | | | | | | | | | | | | | | 16 |
| Capacity | | 687 | | | | | | | | | | | | | | 514 |
| v/c Ratio | | 0.04 | | | | | | | | | | | | | | 0.03 |
| 95% Queue Length | | 0.1 | | | | | | | | | | | | | | 0.1 |
| Control Delay (s/veh) | | 10.4 | | | | | | | | | | | | | | 12.2 |
| Level of Service (LOS) | | B | | | | | | | | | | | | | | B |
| Approach Delay (s/veh) | 0.2 | | | | | | | | | | | | 12.2 | | | |
| Approach LOS | A | | | | | | | | | | | | B | | | |

Average Weighted Delay = 11.1 sec. [LOS B]

THURGOOD MARSHALL SCHOOL PROJECT (#15098)

REF: 04 AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: 12/16/2015
 TIME PERIOD: A.M. PEAK HOUR
 N/S STREET: PATTERSON ROAD
 E/W STREET: GONZALES ROAD
 CONTROL TYPE: SIGNAL

TRAFFIC VOLUME SUMMARY

| VOLUMES | NORTH BOUND | | | SOUTH BOUND | | | EAST BOUND | | | WEST BOUND | | |
|--------------------|-------------|-----|----|-------------|-----|-----|------------|-----|-----|------------|-----|----|
| | L | T | R | L | T | R | L | T | R | L | T | R |
| (A) EXISTING: | 249 | 113 | 32 | 71 | 92 | 171 | 106 | 519 | 235 | 11 | 846 | 58 |
| (B) PROJECT-ADDED: | 20 | 0 | 0 | 54 | 17 | 0 | 0 | 21 | 0 | 0 | 0 | 0 |
| (C) CUMULATIVE: | 266 | 121 | 32 | 171 | 100 | 185 | 110 | 519 | 253 | 11 | 846 | 58 |

GEOMETRICS

| LANE GEOMETRICS | NORTH BOUND | | | SOUTH BOUND | | | EAST BOUND | | | WEST BOUND | | |
|-----------------|-------------|---|---|-------------|---|---|------------|---|---|------------|---|---|
| | L | T | R | L | T | R | L | T | R | L | T | R |

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
 SCENARIO 2 = EXISTING + PROJECT VOLUMES (A+B)
 SCENARIO 3 = CUMULATIVE (C)
 SCENARIO 4 = CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

| MOVE-MENTS | # OF LANES | CAPACITY | SCENARIO VOLUMES | | | | SCENARIO V/C RATIOS | | | |
|---|------------|----------|------------------|-----|-----|-----|---------------------|-------------|-------------|-------------|
| | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| NBL | 1 | 1600 | 249 | 269 | 266 | 286 | 0.156 * | 0.168 * | 0.166 * | 0.179 * |
| NBT | 1 | 1600 | 113 | 113 | 121 | 121 | 0.091 | 0.091 | 0.096 | 0.096 |
| NBR | 0 | 0 | 32 | 32 | 32 | 32 | - | - | - | - |
| SBL | 1 | 1600 | 71 | 125 | 171 | 225 | 0.044 | 0.078 | 0.107 | 0.141 |
| SBT | 1 | 1600 | 92 | 109 | 100 | 117 | 0.058 * | 0.068 * | 0.063 * | 0.073 * |
| SBR | 1 | 1600 | 171 | 171 | 185 | 185 | 0.107 | 0.107 | 0.116 | 0.116 |
| EBL | 1 | 1600 | 106 | 106 | 110 | 110 | 0.066 * | 0.066 * | 0.069 * | 0.069 * |
| EBT | 2 | 3200 | 519 | 540 | 519 | 540 | 0.236 | 0.242 | 0.241 | 0.248 |
| EBR | 0 | 0 | 235 | 235 | 253 | 253 | - | - | - | - |
| WBL | 1 | 1600 | 11 | 11 | 11 | 11 | 0.007 | 0.007 | 0.007 | 0.007 |
| WBT | 2 | 3200 | 846 | 846 | 846 | 846 | 0.264 * | 0.264 * | 0.264 * | 0.264 * |
| WBR | 1 | 1600 | 58 | 58 | 58 | 58 | 0.036 | 0.036 | 0.036 | 0.036 |
| TOTAL INTERSECTION CAPACITY UTILIZATION: | | | | | | | 0.54 | 0.57 | 0.56 | 0.59 |
| SCENARIO LEVEL OF SERVICE: | | | | | | | A | A | A | A |

NOTES:

THURGOOD MARSHALL SCHOOL PROJECT (#15098)

REF: 04 PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: 12/16/2015
 TIME PERIOD: P.M. PEAK HOUR
 N/S STREET: PATTERSON ROAD
 E/W STREET: GONZALES ROAD
 CONTROL TYPE: SIGNAL

TRAFFIC VOLUME SUMMARY

| VOLUMES | NORTH BOUND | | | SOUTH BOUND | | | EAST BOUND | | | WEST BOUND | | |
|--------------------|-------------|----|----|-------------|----|-----|------------|-----|-----|------------|-----|----|
| | L | T | R | L | T | R | L | T | R | L | T | R |
| (A) EXISTING: | 125 | 44 | 20 | 49 | 81 | 169 | 159 | 721 | 172 | 12 | 563 | 29 |
| (B) PROJECT-ADDED: | 5 | 0 | 0 | 18 | 6 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| (C) CUMULATIVE: | 161 | 55 | 21 | 49 | 91 | 175 | 174 | 721 | 185 | 12 | 563 | 29 |

GEOMETRICS

| LANE GEOMETRICS | NORTH BOUND | | | SOUTH BOUND | | | EAST BOUND | | | WEST BOUND | | |
|-----------------|-------------|---|---|-------------|---|---|------------|---|---|------------|---|---|
| | L | T | R | L | T | R | L | T | R | L | T | R |

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
 SCENARIO 2 = EXISTING + PROJECT VOLUMES (A+B)
 SCENARIO 3 = CUMULATIVE (C)
 SCENARIO 4 = CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

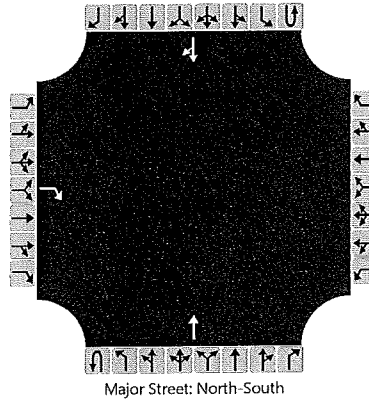
| MOVE-MENTS | # OF LANES | CAPACITY | SCENARIO VOLUMES | | | | SCENARIO V/C RATIOS | | | |
|---|------------|----------|------------------|-----|-----|-----|---------------------|---------|---------|---------|
| | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| NBL | 1 | 1600 | 125 | 130 | 161 | 166 | 0.078 * | 0.081 * | 0.101 * | 0.104 * |
| NBT | 1 | 1600 | 44 | 44 | 55 | 55 | 0.040 | 0.040 | 0.048 | 0.048 |
| NBR | 0 | 0 | 20 | 20 | 21 | 21 | - | - | - | - |
| SBL | 1 | 1600 | 49 | 67 | 49 | 67 | 0.031 | 0.042 | 0.031 | 0.042 |
| SBT | 1 | 1600 | 81 | 87 | 91 | 97 | 0.051 | 0.054 | 0.057 | 0.061 |
| SBR | 1 | 1600 | 169 | 169 | 175 | 175 | 0.106 * | 0.106 * | 0.109 * | 0.109 * |
| EBL | 1 | 1600 | 159 | 159 | 174 | 174 | 0.099 | 0.099 | 0.109 | 0.109 |
| EBT | 2 | 3200 | 721 | 721 | 721 | 721 | 0.279 * | 0.279 * | 0.283 * | 0.283 * |
| EBR | 0 | 0 | 172 | 172 | 185 | 185 | - | - | - | - |
| WBL | 1 | 1600 | 12 | 12 | 12 | 12 | 0.008 * | 0.008 * | 0.008 * | 0.008 * |
| WBT | 2 | 3200 | 563 | 569 | 563 | 569 | 0.176 | 0.178 | 0.176 | 0.178 |
| WBR | 1 | 1600 | 29 | 29 | 29 | 29 | 0.018 | 0.018 | 0.018 | 0.018 |
| TOTAL INTERSECTION CAPACITY UTILIZATION: | | | | | | | 0.47 | 0.47 | 0.50 | 0.50 |
| SCENARIO LEVEL OF SERVICE: | | | | | | | A | A | A | A |

NOTES:

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Patterson Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Thurgood Marshall Drive |
| Analysis Year | 2015 | North/South Street | Patterson Road |
| Time Analyzed | A.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | North-South | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|----|----|-----|-----------|---|---|---|------------|---|-----|---|------------|---|-----|----|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | | | | | | | | | | | | | | | | |
| Priority | | 10 | 11 | 12 | | 7 | 8 | 9 | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 |
| Number of Lanes | | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| Configuration | | | | R | | | | | | | T | | | | | TR |
| Volume (veh/h) | | | | 253 | | | | | | | 305 | | | | 186 | 0 |
| Percent Heavy Vehicles | | | | 3 | | | | | | | | | | | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Undivided | | | | | | | | | | | | | | | |
| Median Storage | | | | | | | | | | | | | | | | |

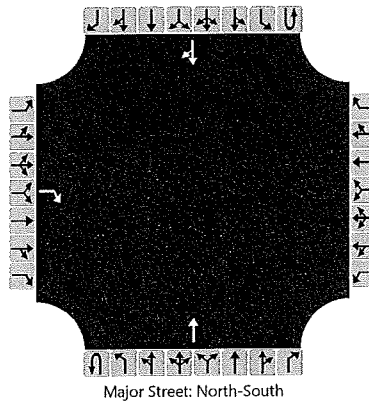
Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | |
|------------------------|------|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|
| Flow Rate (veh/h) | | | | 275 | | | | | | | | | | | | |
| Capacity | | | | 798 | | | | | | | | | | | | |
| v/c Ratio | | | | 0.34 | | | | | | | | | | | | |
| 95% Queue Length | | | | 1.5 | | | | | | | | | | | | |
| Control Delay (s/veh) | | | | 11.9 | | | | | | | | | | | | |
| Level of Service (LOS) | | | | B | | | | | | | | | | | | |
| Approach Delay (s/veh) | 11.9 | | | | | | | | | | | | | | | |
| Approach LOS | B | | | | | | | | | | | | | | | |

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Patterson Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Thurgood Marshall Drive |
| Analysis Year | 2015 | North/South Street | Patterson Road |
| Time Analyzed | A.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | North-South | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|----|----|----|-----------|---|---|---|------------|---|-----|---|------------|---|-----|----|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | | | | | | | | | | | | | | | | |
| Priority | | 10 | 11 | 12 | | 7 | 8 | 9 | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 |
| Number of Lanes | | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| Configuration | | | | R | | | | | | | T | | | | | TR |
| Volume (veh/h) | | | | 52 | | | | | | | 243 | | | | 249 | 0 |
| Percent Heavy Vehicles | | | | 3 | | | | | | | | | | | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Undivided | | | | | | | | | | | | | | | |
| Median Storage | | | | | | | | | | | | | | | | |

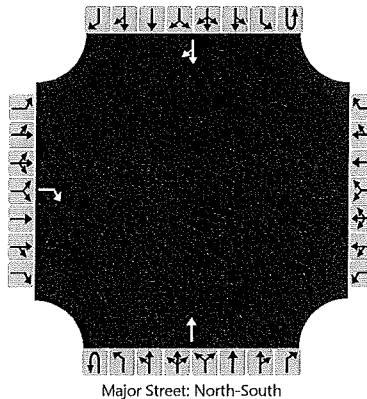
Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | |
|------------------------|------|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|
| Flow Rate (veh/h) | | | | 57 | | | | | | | | | | | | |
| Capacity | | | | 755 | | | | | | | | | | | | |
| v/c Ratio | | | | 0.08 | | | | | | | | | | | | |
| 95% Queue Length | | | | 0.2 | | | | | | | | | | | | |
| Control Delay (s/veh) | | | | 10.2 | | | | | | | | | | | | |
| Level of Service (LOS) | | | | B | | | | | | | | | | | | |
| Approach Delay (s/veh) | 10.2 | | | | | | | | | | | | | | | |
| Approach LOS | B | | | | | | | | | | | | | | | |

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Patterson Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Thurgood Marshall Drive |
| Analysis Year | 2015 | North/South Street | Patterson Road |
| Time Analyzed | A.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | North-South | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | | |
|-------------------------|-----------|----|----|-----|-----------|---|---|---|------------|---|-----|---|------------|---|---|-----|-----|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R | |
| Movement | | | | | | | | | | | | | | | | | |
| Priority | | 10 | 11 | 12 | | 7 | 8 | 9 | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | |
| Number of Lanes | | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | |
| Configuration | | | | R | | | | | | | T | | | | | | TR |
| Volume (veh/h) | | | | 324 | | | | | | | 343 | | | | | 186 | 219 |
| Percent Heavy Vehicles | | | | 3 | | | | | | | | | | | | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | | |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | | |
| Median Type | Undivided | | | | | | | | | | | | | | | | |
| Median Storage | | | | | | | | | | | | | | | | | |

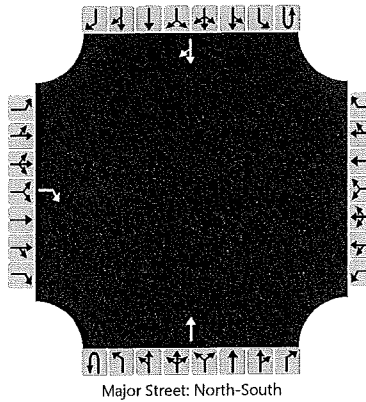
Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | | |
|------------------------|------|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Flow Rate (veh/h) | | | | 352 | | | | | | | | | | | | | |
| Capacity | | | | 669 | | | | | | | | | | | | | |
| v/c Ratio | | | | 0.53 | | | | | | | | | | | | | |
| 95% Queue Length | | | | 3.1 | | | | | | | | | | | | | |
| Control Delay (s/veh) | | | | 16.2 | | | | | | | | | | | | | |
| Level of Service (LOS) | | | | C | | | | | | | | | | | | | |
| Approach Delay (s/veh) | 16.2 | | | | | | | | | | | | | | | | |
| Approach LOS | C | | | | | | | | | | | | | | | | |

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Patterson Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Thurgood Marshall Drive |
| Analysis Year | 2015 | North/South Street | Patterson Road |
| Time Analyzed | P.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | North-South | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | | |
|-------------------------|-----------|----|----|----|-----------|---|---|---|------------|---|-----|---|------------|---|---|-----|----|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R | |
| Movement | | | | | | | | | | | | | | | | | |
| Priority | | 10 | 11 | 12 | | 7 | 8 | 9 | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | |
| Number of Lanes | | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | |
| Configuration | | | | R | | | | | | | T | | | | | | TR |
| Volume (veh/h) | | | | 76 | | | | | | | 256 | | | | | 249 | 82 |
| Percent Heavy Vehicles | | | | 3 | | | | | | | | | | | | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | | |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | | |
| Median Type | Undivided | | | | | | | | | | | | | | | | |
| Median Storage | | | | | | | | | | | | | | | | | |

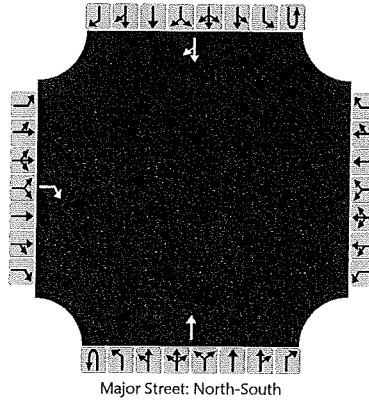
Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | | |
|------------------------|------|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Flow Rate (veh/h) | | | | 83 | | | | | | | | | | | | | |
| Capacity | | | | 712 | | | | | | | | | | | | | |
| v/c Ratio | | | | 0.12 | | | | | | | | | | | | | |
| 95% Queue Length | | | | 0.4 | | | | | | | | | | | | | |
| Control Delay (s/veh) | | | | 10.7 | | | | | | | | | | | | | |
| Level of Service (LOS) | | | | B | | | | | | | | | | | | | |
| Approach Delay (s/veh) | 10.7 | | | | | | | | | | | | | | | | |
| Approach LOS | B | | | | | | | | | | | | | | | | |

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Patterson Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Thurgood Marshall Drive |
| Analysis Year | 2015 | North/South Street | Patterson Road |
| Time Analyzed | A.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | North-South | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | | | |
|-------------------------|-----------|----|----|-----|-----------|---|---|---|------------|---|-----|---|------------|---|---|---|-----|-----|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R | | |
| Movement | | | | | | | | | | | | | | | | | | |
| Priority | | 10 | 11 | 12 | | 7 | 8 | 9 | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | |
| Number of Lanes | | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | | |
| Configuration | | | | R | | | | | | | T | | | | | | TR | |
| Volume (veh/h) | | | | 253 | | | | | | | 317 | | | | | | 208 | 173 |
| Percent Heavy Vehicles | | | | 3 | | | | | | | | | | | | | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | | | |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | | | |
| Median Type | Undivided | | | | | | | | | | | | | | | | | |
| Median Storage | | | | | | | | | | | | | | | | | | |

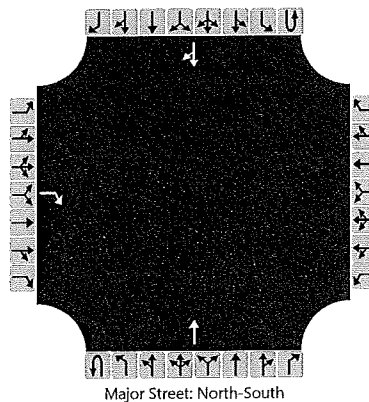
Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | | | |
|------------------------|------|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Flow Rate (veh/h) | | | | 275 | | | | | | | | | | | | | | |
| Capacity | | | | 670 | | | | | | | | | | | | | | |
| v/c Ratio | | | | 0.41 | | | | | | | | | | | | | | |
| 95% Queue Length | | | | 2.0 | | | | | | | | | | | | | | |
| Control Delay (s/veh) | | | | 14.1 | | | | | | | | | | | | | | |
| Level of Service (LOS) | | | | B | | | | | | | | | | | | | | |
| Approach Delay (s/veh) | 14.1 | | | | | | | | | | | | | | | | | |
| Approach LOS | B | | | | | | | | | | | | | | | | | |

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Patterson Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Thurgood Marshall Drive |
| Analysis Year | 2015 | North/South Street | Patterson Road |
| Time Analyzed | P.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | North-South | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|----|----|----|-----------|---|---|---|------------|---|-----|---|------------|---|-----|----|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | | | | | | | | | | | | | | | | |
| Priority | | 10 | 11 | 12 | | 7 | 8 | 9 | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 |
| Number of Lanes | | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| Configuration | | | | R | | | | | | | T | | | | | TR |
| Volume (veh/h) | | | | 52 | | | | | | | 269 | | | | 265 | 70 |
| Percent Heavy Vehicles | | | | 3 | | | | | | | | | | | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Undivided | | | | | | | | | | | | | | | |
| Median Storage | | | | | | | | | | | | | | | | |

Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | |
|------------------------|------|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|
| Flow Rate (veh/h) | | | | 57 | | | | | | | | | | | | |
| Capacity | | | | 657 | | | | | | | | | | | | |
| v/c Ratio | | | | 0.09 | | | | | | | | | | | | |
| 95% Queue Length | | | | 0.3 | | | | | | | | | | | | |
| Control Delay (s/veh) | | | | 11.0 | | | | | | | | | | | | |
| Level of Service (LOS) | | | | B | | | | | | | | | | | | |
| Approach Delay (s/veh) | 11.0 | | | | | | | | | | | | | | | |
| Approach LOS | B | | | | | | | | | | | | | | | |

HCS 2010 Two-Way Stop Control Summary Report

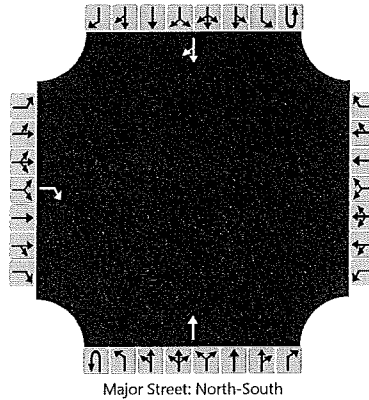
General Information

| | |
|--------------------------|--------------------------|
| Analyst | Darryl F. Nelson |
| Agency/Co. | ATE |
| Date Performed | 12/15/2015 |
| Analysis Year | 2015 |
| Time Analyzed | A.M. Peak Hour |
| Intersection Orientation | North-South |
| Project Description | Thurgood Marshall School |

Site Information

| | |
|----------------------------|-------------------------|
| Intersection | Patterson Road/TM Drive |
| Jurisdiction | City of Oxnard |
| East/West Street | Thurgood Marshall Drive |
| North/South Street | Patterson Road |
| Peak Hour Factor | 0.92 |
| Analysis Time Period (hrs) | 0.25 |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|----|----|-----|-----------|---|---|---|------------|---|-----|---|------------|---|-----|-----|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | | | | | | | | | | | | | | | | |
| Priority | | 10 | 11 | 12 | | 7 | 8 | 9 | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 |
| Number of Lanes | | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| Configuration | | | | R | | | | | | | T | | | | | TR |
| Volume (veh/h) | | | | 324 | | | | | | | 355 | | | | 208 | 219 |
| Percent Heavy Vehicles | | | | 3 | | | | | | | | | | | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Undivided | | | | | | | | | | | | | | | |
| Median Storage | | | | | | | | | | | | | | | | |

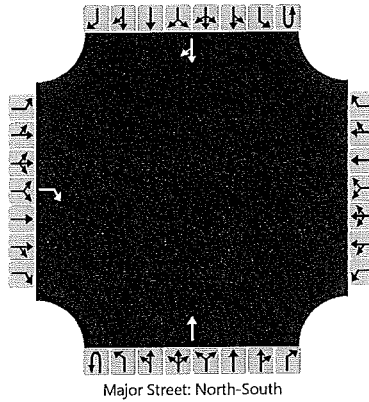
Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | |
|------------------------|------|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|
| Flow Rate (veh/h) | | | | 352 | | | | | | | | | | | | |
| Capacity | | | | 645 | | | | | | | | | | | | |
| v/c Ratio | | | | 0.55 | | | | | | | | | | | | |
| 95% Queue Length | | | | 3.3 | | | | | | | | | | | | |
| Control Delay (s/veh) | | | | 17.1 | | | | | | | | | | | | |
| Level of Service (LOS) | | | | C | | | | | | | | | | | | |
| Approach Delay (s/veh) | 17.1 | | | | | | | | | | | | | | | |
| Approach LOS | C | | | | | | | | | | | | | | | |

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Patterson Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Thurgood Marshall Drive |
| Analysis Year | 2015 | North/South Street | Patterson Road |
| Time Analyzed | P.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | North-South | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | | |
|-------------------------|-----------|----|----|----|-----------|---|---|---|------------|---|-----|---|------------|---|---|-----|----|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R | |
| Movement | | | | | | | | | | | | | | | | | |
| Priority | | 10 | 11 | 12 | | 7 | 8 | 9 | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | |
| Number of Lanes | | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | |
| Configuration | | | | R | | | | | | | T | | | | | | TR |
| Volume (veh/h) | | | | 76 | | | | | | | 282 | | | | | 265 | 82 |
| Percent Heavy Vehicles | | | | 3 | | | | | | | | | | | | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | | |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | | |
| Median Type | Undivided | | | | | | | | | | | | | | | | |
| Median Storage | | | | | | | | | | | | | | | | | |

Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | | |
|------------------------|------|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Flow Rate (veh/h) | | | | 83 | | | | | | | | | | | | | |
| Capacity | | | | 651 | | | | | | | | | | | | | |
| v/c Ratio | | | | 0.13 | | | | | | | | | | | | | |
| 95% Queue Length | | | | 0.4 | | | | | | | | | | | | | |
| Control Delay (s/veh) | | | | 11.3 | | | | | | | | | | | | | |
| Level of Service (LOS) | | | | B | | | | | | | | | | | | | |
| Approach Delay (s/veh) | 11.3 | | | | | | | | | | | | | | | | |
| Approach LOS | B | | | | | | | | | | | | | | | | |

CALTRANS COLLISION DATA

| Primary Rd | Distance (ft) | Direction | W | Secondary Rd | MERION WAY | NCIC | 5604 | State Hwy? | N | Route | Postmile | Postmile Prefix | Postmile | Side of Hwy | | | | | | | | | | | | | |
|--------------------------|---------------|-------------------------|----------------|--------------|---------------|----------------|---------------|------------|--------------|------------|----------|-----------------|-------------|-------------|----|------|------|------|------|--------|-------|-------|---------|----|---|---|---|
| City OXNARD | VENTURA | Population 6 | Rpt Dist | Beat 011 | Badge 5242 | Collision Date | 20100225 | Time | 0827 | Day THU | | | | | | | | | | | | | | | | | |
| Primary Collision Factor | OTHER HAZ | Violation 22517 | Collision Type | SIDESWIPE | # Killed 0 | # Injured 0 | Tow Away? | N | Process Date | 20101221 | | | | | | | | | | | | | | | | | |
| Weather?1 | CLEAR | Rdwy Surface | DRY | Lighting | DAYLIGHT | Rdwy Cond1 | NO UNSUSL CND | Ped Action | | | | | | | | | | | | | | | | | | | |
| Hit and Run | | Motor Veh Involved With | OTHER MV | | | | | | | | | | | | | | | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move | Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 | Viol | OAF2 | Safety | Equip | Equip | Ejected | | | | |
| 1F | DRVR | 19 | M | H | HNBD | STOPPED | E | A | 0800 | DODGE | 1997 | - | 3 | N | - | M | G | - | - | - | PASS | 15 | F | 3 | 0 | | |
| 2 | DRVR | 45 | M | H | HNBD | PROCS | T | E | A | 0100 | FORD | 2009 | - | 3 | N | - | M | G | - | - | - | | | | | | |
| Primary Rd | GONZALES RD | Distance (ft) | 20 | Direction | E | Secondary Rd | MERION WAY | NCIC | 5604 | State Hwy? | N | Route | Postmile | Side of Hwy | | | | | | | | | | | | | |
| City OXNARD | VENTURA | Population 6 | Rpt Dist | Beat 011 | Badge 4750 | Collision Date | 20100317 | Time | 0821 | Day WED | | | | | | | | | | | | | | | | | |
| Primary Collision Factor | UNSAFE SPEED | Violation 22350 | Collision Type | REAR END | # Killed 0 | # Injured 0 | Tow Away? | N | Process Date | 20110114 | | | | | | | | | | | | | | | | | |
| Weather?1 | CLEAR | Rdwy Surface | DRY | Lighting | DAYLIGHT | Rdwy Cond1 | NO UNSUSL CND | Ped Action | | | | | | | | | | | | | | | | | | | |
| Hit and Run | | Motor Veh Involved With | OTHER MV | | | | | | | | | | | | | | | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move | Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 | Viol | OAF2 | Safety | Equip | Equip | Ejected | | | | |
| 1F | DRVR | 32 | F | H | HNBD | STOPPED | W | - | -00 | FORD | 2002 | - | 3 | N | - | M | G | - | - | - | | | | | | | |
| 2 | DRVR | 21 | M | H | HNBD | STOPPED | W | - | -00 | FORD | 1998 | - | 3 | N | - | M | G | - | - | - | PASS | 16 | F | 3 | 0 | | |
| Primary Rd | GONZALES RD | Distance (ft) | 60 | Direction | W | Secondary Rd | MERION WAY | NCIC | 5604 | State Hwy? | N | Route | Postmile | Side of Hwy | | | | | | | | | | | | | |
| City OXNARD | VENTURA | Population 6 | Rpt Dist | Beat 011 | Badge 4959 | Collision Date | 20100413 | Time | 1239 | Day TUE | | | | | | | | | | | | | | | | | |
| Primary Collision Factor | UNSAFE SPEED | Violation 22350 | Collision Type | REAR END | # Killed 0 | # Injured 1 | Tow Away? | Y | Process Date | 20110314 | | | | | | | | | | | | | | | | | |
| Weather?1 | CLEAR | Rdwy Surface | DRY | Lighting | DAYLIGHT | Rdwy Cond1 | NO UNSUSL CND | Ped Action | | | | | | | | | | | | | | | | | | | |
| Hit and Run | | Motor Veh Involved With | OTHER MV | | | | | | | | | | | | | | | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move | Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 | Viol | OAF2 | Safety | Equip | Equip | Ejected | | | | |
| 1F | DRVR | 16 | M | H | HNBD | STOPPED | E | - | -00 | HONDA | 1995 | - | 3 | N | - | M | G | - | - | - | PASS | 16 | M | 3 | 0 | | |
| 2 | DRVR | 51 | M | H | HNBD | STOPPED | E | - | -00 | TOYOT | 2006 | - | 3 | N | - | M | G | - | - | - | DRVR | COMP | PN | 51 | M | 1 | 0 |
| Primary Rd | GONZALES RD | Distance (ft) | 20 | Direction | E | Secondary Rd | MERION WAY | NCIC | 5604 | State Hwy? | N | Route | Postmile | Side of Hwy | | | | | | | | | | | | | |
| City OXNARD | VENTURA | Population 6 | Rpt Dist | Beat 011 | Badge 5037 | Collision Date | 20110609 | Time | 1230 | Day THU | | | | | | | | | | | | | | | | | |
| Primary Collision Factor | TOO CLOSE | Violation 21703 | Collision Type | REAR END | # Killed 0 | # Injured 2 | Tow Away? | N | Process Date | 20120928 | | | | | | | | | | | | | | | | | |
| Weather?1 | CLEAR | Rdwy Surface | DRY | Lighting | DAYLIGHT | Rdwy Cond1 | NO UNSUSL CND | Ped Action | | | | | | | | | | | | | | | | | | | |
| Hit and Run | | Motor Veh Involved With | OTHER MV | | | | | | | | | | | | | | | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move | Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 | Viol | OAF2 | Safety | Equip | Equip | Ejected | | | | |
| 1F | DRVR | 21 | M | H | HNBD | STOPPED | E | - | -00 | LEXUS | 2001 | - | - | N | - | M | G | - | - | - | | | | | | | |
| 2 | DRVR | 59 | F | H | HNBD | STOPPED | E | - | -00 | CHEVR | 1998 | - | - | N | - | M | G | - | - | - | DRVR | COMP | PN | 59 | F | 1 | 0 |
| Primary Rd | GONZALES RD | Distance (ft) | 25 | Direction | E | Secondary Rd | MERION WAY | NCIC | 5604 | State Hwy? | N | Route | Postmile | Side of Hwy | | | | | | | | | | | | | |
| City OXNARD | VENTURA | Population 6 | Rpt Dist | Beat 011 | Badge 4984 | Collision Date | 20120110 | Time | 1900 | Day TUE | | | | | | | | | | | | | | | | | |
| Primary Collision Factor | UNSAFE SPEED | Violation 22350 | Collision Type | REAR END | # Killed 0 | # Injured 1 | Tow Away? | N | Process Date | 20130613 | | | | | | | | | | | | | | | | | |
| Weather?1 | CLEAR | Rdwy Surface | DRY | Lighting | DARK - ST LTS | Rdwy Cond1 | NO UNSUSL CND | Ped Action | | | | | | | | | | | | | | | | | | | |
| Hit and Run | | Motor Veh Involved With | OTHER MV | | | | | | | | | | | | | | | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move | Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 | Viol | OAF2 | Safety | Equip | Equip | Ejected | | | | |
| 1F | DRVR | 55 | M | W | HNBD | STOPPED | W | - | -00 | TOYOT | 2011 | - | 3 | N | - | L | G | - | - | - | | | | | | | |
| 2 | DRVR | 29 | M | W | HNBD | STOPPED | W | - | -00 | TOYOT | 1998 | - | 3 | N | - | L | G | - | - | - | DRVR | COMP | PN | 29 | M | 1 | 0 |
| 3 | DRVR | 21 | M | W | HNBD | STOPPED | W | - | -00 | DODGE | 1999 | - | 3 | N | - | L | G | - | - | - | PASS | 22 | M | 3 | 0 | | |
| Primary Rd | GONZALES RD | Distance (ft) | 1 | Direction | Secondary Rd | MERION WAY | NCIC | 5604 | State Hwy? | N | Route | Postmile | Side of Hwy | | | | | | | | | | | | | | |
| City OXNARD | VENTURA | Population 6 | Rpt Dist | Beat 011 | Badge 5374 | Collision Date | 20130520 | Time | 1807 | Day MON | | | | | | | | | | | | | | | | | |
| Primary Collision Factor | STOP SGNISIG | Violation 21453A | Collision Type | BROADSIDE | # Killed 0 | # Injured 3 | Tow Away? | Y | Process Date | 20140224 | | | | | | | | | | | | | | | | | |
| Weather?1 | CLEAR | Rdwy Surface | DRY | Lighting | DAYLIGHT | Rdwy Cond1 | NO UNSUSL CND | Ped Action | | | | | | | | | | | | | | | | | | | |
| Hit and Run | | Motor Veh Involved With | OTHER MV | | | | | | | | | | | | | | | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move | Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 | Viol | OAF2 | Safety | Equip | Equip | Ejected | | | | |
| 1F | DRVR | 23 | F | H | HNBD | STOPPED | W | - | -00 | CHEVR | 2001 | - | 3 | F | - | L | G | - | - | - | DRVR | COMP | PN | 23 | F | 1 | 0 |
| 2 | DRVR | 34 | M | O | HNBD | LFT TURN | E | - | -00 | ACURA | 2010 | - | 3 | N | - | L | G | - | - | - | DRVR | COMP | PN | 34 | M | 1 | 0 |



ASSOCIATED TRANSPORTATION ENGINEERS

100 N. Hope Avenue, Suite 4, Santa Barbara, CA 93110 • (805) 687-4418 • (805) 682-8509-F

ACCIDENT RATE CALCULATION SHEET - FOR INTERSECTIONS

Project: Thurgood Marshall School
Project #: 015098
Analyst: DFN
Date: 2/17/2016

File Name: Accident Rate Wkst.exl

N/S Street: Merion Way
E/W Street: Gonzales Road

Weekday:
PM Peak Hour Entering Volume: 1913
Peak Hour Factor: 10
-----OR-----
Total Approach ADT: N/A

Weekend:
PM Peak Hour Entering Volume OR ADT: 100% (as a percentage of Weekday PM Peak Hour Entering Volume OR ADT)

Period Analyzed (years): 5

Number of Accidents: 6

Million Entering Vehicle Miles: 34.91 million entering vehicle miles (mevm)

Accident Rate: .17 accidents per million entering vehicle miles (mevm)

Intersection Rate Group:
California State Average Collision Rate: 0.43



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ACCIDENT RATE CALCULATION SHEET - FOR INTERSECTIONS

| | | | |
|---|---|--|------------------------|
| Project: | Thurgood Marshall School | File Name: | Accident Rate Wkst.exl |
| Project #: | 015098 | | |
| Analyst: | DFN | | |
| Date: | 2/17/2016 | | |
| N/S Street: | Campus Road | | |
| E/W Street: | Gonzales Road | | |
| Weekday: | | | |
| PM Peak Hour Entering Volume: | 2033 | | |
| Peak Hour Factor: | 10 | | |
| -----OR----- | | | |
| Total Approach ADT: | N/A | | |
| Weekend: | | | |
| PM Peak Hour Entering Volume OR ADT: | 100% | (as a percentage of Weekday PM Peak Hour Entering Volume OR ADT) | |
| Period Analyzed (years): | 5 | | |
| Number of Accidents: | 2 | | |
| Million Entering Vehicle Miles: | 37.1 million entering vehicle miles (mevm) | | |
| Accident Rate: | .05 accidents per million entering vehicle miles (mevm) | | |
| Intersection Rate Group: | | | |
| California State Average Collision Rate: | 0.43 | | |

| Primary Rd | THURGOOD MARS | Distance (ft) | I | Direction | Secondary Rd | GONZALES RD | NCIC | 5604 | State Hwy? | N | Route | Postmile | Postmile Prefix | Collision Date | 20100518 | Time | 0902 | Day | TUE | Side of Hwy | | | | | | |
|------------|---------------|---------------|----------|-------------------------|--------------|-------------------|----------------|----------|------------|------------|-------|----------|-----------------|-----------------|----------------|-----------|-------------------|------|------------|-------------|-------------|------|-----|--------------|---------|---|
| City | OXNARD | UNSAFE SPEED | Weather2 | Motor Veh Involved With | OTHER MV | Lighting DAYLIGHT | NO UNSUSL CND | Severity | INJURY | INJURY | WET | WET | WET | WET | WET | WET | WET | WET | WET | WET | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move | Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | 0AF1 Viol | 0AF2 Safety Equip | Role | Ext of Inj | Age | Sex | Seat | Pos | Safety Equip | Ejected | |
| 1F | DRVR | 21 | F | H | HNBD | PROG | ST | S | - | -00 | TOYOT | 2010 | - | 3 | N | - | M | G | PASS | 17 | M | 3 | M | G | 0 | |
| 2 | DRVR | 34 | F | H | HNBD | STOPPED | S | - | -00 | MERCE | 2003 | - | 3 | N | - | M | G | DRVR | COMP | PN | 34 | F | 1 | M | G | 0 |
| Primary Rd | GONZALES RD | Distance (ft) | 100 | Direction | W | Secondary Rd | THURGOOD MARSH | NCIC | 5604 | State Hwy? | N | Route | Postmile | Postmile Prefix | Collision Date | 20110225 | Time | 1246 | Day | FRI | Side of Hwy | | | | | |
| City | OXNARD | UNSAFE SPEED | Weather2 | Motor Veh Involved With | FIXED OBJ | Lighting DAYLIGHT | NO UNSUSL CND | Severity | PDO | PDO | WET | WET | WET | WET | WET | WET | WET | WET | WET | WET | WET | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move | Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | 0AF1 Viol | 0AF2 Safety Equip | Role | Ext of Inj | Age | Sex | Seat | Pos | Safety Equip | Ejected | |
| 1F | DRVR | 18 | M | H | HNBD | PROG | ST | E | - | - | HONDA | 2004 | - | 3 | N | - | M | G | - | - | - | - | - | - | - | |
| Primary Rd | GONZALES RD | Distance (ft) | I | Direction | E | Secondary Rd | THURGOOD MARSH | NCIC | 5604 | State Hwy? | N | Route | Postmile | Postmile Prefix | Collision Date | 20120425 | Time | 0821 | Day | WED | Side of Hwy | | | | | |
| City | OXNARD | LANE CHANGE | Weather2 | Motor Veh Involved With | OTHER MV | Lighting DAYLIGHT | NO UNSUSL CND | Severity | PDO | PDO | WET | WET | WET | WET | WET | WET | WET | WET | WET | WET | WET | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move | Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | 0AF1 Viol | 0AF2 Safety Equip | Role | Ext of Inj | Age | Sex | Seat | Pos | Safety Equip | Ejected | |
| 1F | DRVR | 29 | F | H | HNBD | CHANG | LN | W | B | 0701 | CHRY | 2007 | - | 3 | N | - | M | G | - | - | - | - | - | - | - | |
| 2 | DRVR | 41 | M | H | HNBD | PROG | ST | W | - | -31 | PETER | 1997 | - | 3 | N | - | M | G | - | - | - | - | - | - | - | |
| Primary Rd | GONZALES RD | Distance (ft) | 15 | Direction | E | Secondary Rd | THURGOOD MARSH | NCIC | 5604 | State Hwy? | N | Route | Postmile | Postmile Prefix | Collision Date | 20120607 | Time | 0755 | Day | THU | Side of Hwy | | | | | |
| City | OXNARD | UNSAFE SPEED | Weather2 | Motor Veh Involved With | OTHER MV | Lighting DAYLIGHT | NO UNSUSL CND | Severity | INJURY | INJURY | WET | WET | WET | WET | WET | WET | WET | WET | WET | WET | WET | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move | Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | 0AF1 Viol | 0AF2 Safety Equip | Role | Ext of Inj | Age | Sex | Seat | Pos | Safety Equip | Ejected | |
| 1F | DRVR | 16 | M | H | HNBD | PROG | ST | W | - | -00 | FORD | 1998 | - | 3 | N | - | M | G | - | - | - | - | - | - | - | |
| 2 | DRVR | 44 | F | O | HNBD | STOPPED | W | - | -00 | NISSA | 1997 | - | 3 | N | - | M | G | PASS | 15 | F | 3 | M | G | 0 | | |
| 3 | DRVR | 47 | F | H | HNBD | STOPPED | W | - | -00 | MERCE | 2002 | - | 3 | N | - | M | G | DRVR | COMP | PN | 47 | - | 1 | M | G | 0 |
| | | | | | | | | | | | | | | | | | | PASS | 21 | M | 3 | M | G | 0 | | |



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ACCIDENT RATE CALCULATION SHEET - FOR INTERSECTIONS

Project: Thurgood Marshall School
Project #: 015098
Analyst: DFN
Date: 2/17/2016

File Name: Accident Rate Wkst.exl

N/S Street: Thurgood Marshall Drive
E/W Street: Gonzales Road

Weekday:

PM Peak Hour Entering Volume: 1933
Peak Hour Factor: 10

-----OR-----

Total Approach ADT: N/A

Weekend:

PM Peak Hour Entering Volume OR ADT: 100% (as a percentage of Weekday PM Peak Hour Entering Volume OR ADT)

Period Analyzed (years): 5

Number of Accidents: 4

Million Entering Vehicle Miles: 35.28 million entering vehicle miles (mevm)

Accident Rate: **.11 accidents per million entering vehicle miles (mevm)**

Intersection Rate Group:

California State Average Collision Rate: 0.14

| Primary Rd | GONZALES RD | Distance (ft) | 1 | Direction | Secondary Rd | PATTERSON RD | NCIC 5604 | State Hwy? | N | Route | Postmile | Postmile Prefix | Postmile | Side of Hwy | | | |
|-------------------|------------------|-------------------------|-----------|--------------|--------------|----------------|---------------|---------------|-------------|------------|----------|-----------------|-----------------|-------------|-------------|--------------|-------------------|
| City | OXNARD | County | VENTURA | Population | 6 | Rpt Dist | Beat 011 | CalTrans Dist | | Badge | 4249 | Collision Date | 20100112 | Time | 1530 | Day | TUE |
| Primary | Collision Factor | R-O-W AUTO | Weather?2 | Violation | 21801A | Collision Type | BROADSIDE | Severity | INJURY | # Killed | 0 | # Injured | 1 | Tow Away? | N | Process Date | 20101028 |
| Weather?1 | CLEAR | Motor Veh Involved With | OTHER MV | Rdwy Surface | DRY | Lighting | DAYLIGHT | Rdwy Cond?1 | NO UNSL CND | Rdwy Cond2 | | Other | | Loc Type | | Spec Cond | 0 |
| Hit and Run | | | | | | | | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 Viol | OAF2 Safety Equip |
| 1F | DRVR | 24 | F | H | HNBD | S | - | - | 00 | FORD | 2006 | - | 3 | N | M | G | |
| 2 | DRVR | 21 | M | H | HNBD | N | - | - | 00 | GMC | 2007 | - | 3 | N | M | G | |
| Primary Rd | PATTERSON RD | Distance (ft) | 10 | Direction | N | Secondary Rd | GONZALES RD | NCIC 5604 | State Hwy? | N | Route | Postmile | Postmile Prefix | Postmile | Side of Hwy | | |
| City | OXNARD | County | VENTURA | Population | 6 | Rpt Dist | Beat 011 | CalTrans Dist | | Badge | 5189 | Collision Date | 20100209 | Time | 1501 | Day | TUE |
| Primary | Collision Factor | R-O-W AUTO | Weather?2 | Violation | 21801A | Collision Type | BROADSIDE | Severity | PDO | # Killed | 0 | # Injured | 0 | Tow Away? | N | Process Date | 20101123 |
| Weather?1 | CLOUDY | Motor Veh Involved With | OTHER MV | Rdwy Surface | WET | Lighting | DAYLIGHT | Rdwy Cond?1 | NO UNSL CND | Rdwy Cond2 | | Other | | Loc Type | | Spec Cond | 0 |
| Hit and Run | | | | | | | | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 Viol | OAF2 Safety Equip |
| 1F | DRVR | 19 | F | H | HNBD | S | - | - | 00 | JEEP | 1996 | - | 3 | N | M | G | |
| 2 | DRVR | 22 | F | W | HNBD | N | - | - | 00 | DODGE | 2001 | - | 3 | N | M | G | |
| Primary Rd | GONZALES RD | Distance (ft) | 0 | Direction | W | Secondary Rd | PATTERSON RD | NCIC 5604 | State Hwy? | N | Route | Postmile | Postmile Prefix | Postmile | Side of Hwy | | |
| City | OXNARD | County | VENTURA | Population | 6 | Rpt Dist | Beat 011 | CalTrans Dist | | Badge | 4591 | Collision Date | 20100420 | Time | 2305 | Day | TUE |
| Primary | Collision Factor | DRVR ALC DRG | Weather?2 | Violation | 23152A | Collision Type | SIDESWIPE | Severity | INJURY | # Killed | 0 | # Injured | 4 | Tow Away? | Y | Process Date | 20110413 |
| Weather?1 | CLEAR | Motor Veh Involved With | OTHER MV | Rdwy Surface | DRY | Lighting | DARK - ST LTS | Rdwy Cond?1 | NO UNSL CND | Rdwy Cond2 | | Other | | Loc Type | | Spec Cond | 0 |
| Hit and Run | | | | | | | | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 Viol | OAF2 Safety Equip |
| 1F | DRVR | 23 | M | H | HBD-JU | W | - | - | 00 | CHEVR | 2001 | - | 3 | A | L | B | |
| 2 | DRVR | 22 | F | W | HNBD | N | - | - | 00 | DODGE | 2001 | - | 3 | N | M | G | |
| Primary Rd | GONZALES RD | Distance (ft) | 1 | Direction | N | Secondary Rd | PATTERSON RD | NCIC 5604 | State Hwy? | N | Route | Postmile | Postmile Prefix | Postmile | Side of Hwy | | |
| City | OXNARD | County | VENTURA | Population | 6 | Rpt Dist | Beat 011 | CalTrans Dist | | Badge | 5275 | Collision Date | 20100827 | Time | 0857 | Day | FRI |
| Primary | Collision Factor | DRVR ALC DRG | Weather?2 | Violation | 23152A | Collision Type | BROADSIDE | Severity | INJURY | # Killed | 0 | # Injured | 2 | Tow Away? | Y | Process Date | 20110816 |
| Weather?1 | CLEAR | Motor Veh Involved With | OTHER MV | Rdwy Surface | DRY | Lighting | DAYLIGHT | Rdwy Cond?1 | NO UNSL CND | Rdwy Cond2 | | Other | | Loc Type | | Spec Cond | 0 |
| Hit and Run | | | | | | | | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 Viol | OAF2 Safety Equip |
| 1F | DRVR | 48 | F | W | DRUG | W | A | 0100 | FORD | 2001 | - | 3 | A | L | G | | |
| 2 | DRVR | 21 | F | W | HNBD | N | D | 2200 | NISSA | 2005 | - | 3 | N | L | G | | |
| Primary Rd | GONZALES RD | Distance (ft) | 250 | Direction | W | Secondary Rd | PATTERSON RD | NCIC 5604 | State Hwy? | N | Route | Postmile | Postmile Prefix | Postmile | Side of Hwy | | |
| City | OXNARD | County | VENTURA | Population | 6 | Rpt Dist | Beat 011 | CalTrans Dist | | Badge | 4750 | Collision Date | 20100901 | Time | 1500 | Day | WED |
| Primary | Collision Factor | UNSAFE SPEED | Weather?2 | Violation | 22350 | Collision Type | REAR END | Severity | INJURY | # Killed | 0 | # Injured | 1 | Tow Away? | Y | Process Date | 20111028 |
| Weather?1 | CLEAR | Motor Veh Involved With | OTHER MV | Rdwy Surface | DRY | Lighting | DAYLIGHT | Rdwy Cond?1 | NO UNSL CND | Rdwy Cond2 | | Other | | Loc Type | | Spec Cond | 0 |
| Hit and Run | | | | | | | | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 Viol | OAF2 Safety Equip |
| 1F | DRVR | 20 | M | H | HNBD | E | - | - | 00 | NISSA | 1988 | - | 3 | N | M | G | |
| 2 | DRVR | 40 | F | H | HNBD | E | - | - | 00 | NISSA | 2002 | - | 3 | N | M | G | |

#151346(d) 2010 - AV. 2015 COLLISIONS ON GONZALES ROAD AND PATTERSON ROAD, IN THE CITY OF OXNARD, VENTURA COUNTY

| Primary Rd | GONZALES RD | Distance (ft) | 1 | Direction | Secondary Rd | PATTERSON RD | NCIC 5604 | State Hwy? | N | Route | Postmile | Postmile Prefix | Collision Date | 20101020 | Time | 1551 | Day | WED | Side of Hwy | | | | | | | | |
|--------------------------|-------------------------|---------------|---------|--------------|--------------|---------------|-----------|------------|---------------|------------|--------------|-----------------|----------------|----------|-----------|-------------------|-------|--------------|-------------|-----------|-----|----------|--------------|---------|---|---|---|
| City | OXNARD | County | VENTURA | Rpt Dist | 6 | 11 | Beat | 011 | CalTrans Dist | Badge | 4577 | # Killed | 0 | Injured | 1 | Tow Away? | Y | Process Date | 20111114 | Spec Cond | 0 | Ramp/Int | | | | | |
| Primary Collision Factor | R-O-W AUTO | Weather? | CLOUDY | Rdwy Surface | DRY | Lighting | DAYLIGHT | Severity | INJURY | Rdwy Cond1 | NO UNUSL CND | Ped Action | | | | | | | | | | | | | | | |
| Hit and Run | Motor Veh Involved With | OTHER MV | | | | | | | | | | | | | | | | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | 0AF1 Viol | 0AF2 Safety Equip | Equip | Role | Ext of Inj | Age | Sex | Seat Pos | Safety Equip | Ejected | | | |
| 1F | DRVR | 59 | F | W | HNBD | E | - | - | TOYOT | 2003 | A | - | N | M | G | - | M | G | DRVR | COMP | PN | 53 | M | 1 | M | G | 0 |
| 2 | DRVR | 53 | M | H | HNBD | W | - | - | NISSA | 1992 | A | - | N | M | G | - | M | G | DRVR | COMP | PN | 31 | M | 1 | M | G | 0 |
| VICTIM INFO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | 0AF1 Viol | 0AF2 Safety Equip | Equip | Role | Ext of Inj | Age | Sex | Seat Pos | Safety Equip | Ejected | | | |
| 1F | DRVR | 36 | F | H | HNBD | E | - | - | FORD | 1997 | - | - | N | L | G | - | L | G | DRVR | OTH | VIS | 36 | F | 1 | L | G | 0 |
| 2 | DRVR | 31 | M | H | HNBD | E | - | - | ACURA | 1994 | - | - | N | M | G | - | M | G | DRVR | COMP | PN | 31 | M | 1 | M | G | 0 |
| 3 | DRVR | 28 | M | H | HNBD | E | - | - | NISSA | 2005 | - | - | N | M | G | - | M | G | PASS | COMP | PN | 26 | F | 3 | M | G | 0 |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | 0AF1 Viol | 0AF2 Safety Equip | Equip | Role | Ext of Inj | Age | Sex | Seat Pos | Safety Equip | Ejected | | | |
| 1F | DRVR | 22 | M | H | HNBD | W | - | - | HONDA | 1996 | - | - | N | M | G | - | M | G | PASS | COMP | PN | 17 | F | 3 | M | G | 0 |
| 2 | DRVR | 43 | F | W | HNBD | W | - | - | NISSA | 2005 | - | - | N | M | G | - | M | G | DRVR | COMP | PN | 43 | F | 1 | M | G | 0 |
| | | | | | | | | | | | | | | | | | | | PASS | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | PASS | | | | | | | | |
| VICTIM INFO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | 0AF1 Viol | 0AF2 Safety Equip | Equip | Role | Ext of Inj | Age | Sex | Seat Pos | Safety Equip | Ejected | | | |
| 1F | DRVR | 22 | M | H | HNBD | W | - | - | HONDA | 1996 | - | - | N | M | G | - | M | G | PASS | COMP | PN | 17 | F | 3 | M | G | 0 |
| 2 | DRVR | 43 | F | W | HNBD | W | - | - | NISSA | 2005 | - | - | N | M | G | - | M | G | DRVR | COMP | PN | 43 | F | 1 | M | G | 0 |
| | | | | | | | | | | | | | | | | | | | PASS | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | PASS | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | 0AF1 Viol | 0AF2 Safety Equip | Equip | Role | Ext of Inj | Age | Sex | Seat Pos | Safety Equip | Ejected | | | |
| 1F | DRVR | 34 | M | H | HNBD | E | - | - | TOYOT | 2001 | - | - | N | M | G | - | M | G | PASS | | | | | | | | |
| 2 | DRVR | 25 | F | H | HNBD | E | - | - | BUICK | 1997 | - | - | N | M | G | - | M | G | PASS | | | | | | | | |
| 3 | PRKD | 998 | | | | | | | | | | | | | | | | | PASS | | | | | | | | |
| VICTIM INFO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | 0AF1 Viol | 0AF2 Safety Equip | Equip | Role | Ext of Inj | Age | Sex | Seat Pos | Safety Equip | Ejected | | | |
| 1F | DRVR | 34 | M | H | HNBD | E | - | - | TOYOT | 2001 | - | - | N | M | G | - | M | G | PASS | | | | | | | | |
| 2 | DRVR | 25 | F | H | HNBD | E | - | - | BUICK | 1997 | - | - | N | M | G | - | M | G | PASS | | | | | | | | |
| 3 | PRKD | 998 | | | | | | | | | | | | | | | | | PASS | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | 0AF1 Viol | 0AF2 Safety Equip | Equip | Role | Ext of Inj | Age | Sex | Seat Pos | Safety Equip | Ejected | | | |
| 1F | DRVR | 34 | M | H | HNBD | E | - | - | TOYOT | 2001 | - | - | N | M | G | - | M | G | PASS | | | | | | | | |
| 2 | DRVR | 25 | F | H | HNBD | E | - | - | BUICK | 1997 | - | - | N | M | G | - | M | G | PASS | | | | | | | | |
| 3 | PRKD | 998 | | | | | | | | | | | | | | | | | PASS | | | | | | | | |
| VICTIM INFO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | 0AF1 Viol | 0AF2 Safety Equip | Equip | Role | Ext of Inj | Age | Sex | Seat Pos | Safety Equip | Ejected | | | |
| 1F | DRVR | 24 | M | B | HNBD | E | - | - | TOYOT | 2000 | - | - | N | M | G | - | M | G | DRVR | COMP | PN | 54 | M | 1 | M | G | 3 |
| 2 | DRVR | 54 | M | H | HNBD | E | - | - | INTER | 2006 | - | - | N | M | G | - | M | G | DRVR | COMP | PN | 54 | M | 1 | M | G | 3 |

#151346(d) 2010 - AV. 2015 COLLISIONS ON GONZALES ROAD AND PATTERSON ROAD, IN THE CITY OF OXNARD, VENTURA COUNTY

| Primary Rd | GONZALES RD | Distance (ft) | 185 | Direction | W | Secondary Rd | PATTERSON RD | NCIC | 5604 | State Hwy? | N | Route | Postmile | Prefix | Postmile | Collision Date | 20120308 | Time | 0751 | Day | THU | Side of Hwy | |
|--------------------------|--------------|---------------|---------|-------------------------|--------------|----------------|--------------|----------|------------|------------|-------|----------|----------|-----------|----------------|----------------|----------|--------------|----------|-----------|-------------|-------------|--|
| City | OXNARD | County | VENTURA | Population | 6 | Rpt Dist | Beat 011 | Type | CallTrans | Dist | | Badge | 5118 | # Injured | 2 | Tow Away? | N | Process Date | 20130725 | Spec Cond | 0 | Ramp/Int | |
| Primary Collision Factor | TOO CLOSE | Weather/2 | CLEAR | Motor Veh Involved With | OTHER MV | Collision Type | REAR END | Severity | INJURY | | | # Killed | 0 | Rdwy Cond | 2 | Rdwy Cond | 0 | | | | | | |
| Hit and Run | | | | | | | | | | | | | | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 | Viol | OAF2 | Safety | Equip | Equip | Ejected | |
| 1F | DRVR | 19 | M | H | HNBD | PROG | ST | W | - | -00 | NISSA | 1993 | - | 3 | A | 22350 | N | L | G | | | | |
| 2 | DRVR | 45 | F | H | HNBD | STOPPED | W | - | -00 | TOYOT | 2007 | - | 3 | N | | | | | | | | | |
| 3 | DRVR | 60 | F | H | HNBD | PROG | ST | W | - | -00 | TOYOT | 2008 | - | 3 | N | | | | | | | | |
| Primary Rd | GONZALES RD | Distance (ft) | 1320 | Direction | W | Secondary Rd | PATTERSON RD | NCIC | 5604 | State Hwy? | N | Route | Postmile | Prefix | Postmile | Collision Date | 20120313 | Time | 0715 | Day | TUE | Side of Hwy | |
| City | OXNARD | County | VENTURA | Population | 6 | Rpt Dist | Beat 011 | Type | CallTrans | Dist | | Badge | 4610 | # Injured | 0 | Tow Away? | N | Process Date | 20130808 | Spec Cond | 0 | Ramp/Int | |
| Primary Collision Factor | IMPROP TURN | Weather/2 | CLEAR | Motor Veh Involved With | OTHER MV | Collision Type | SIDESWIPE | Severity | PDO | | | # Killed | 0 | Rdwy Cond | 2 | Rdwy Cond | 0 | | | | | | |
| Hit and Run | | | | | | | | | | | | | | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 | Viol | OAF2 | Safety | Equip | Equip | Ejected | |
| 1F | DRVR | 53 | M | W | HNBD | PASSING | W | - | -00 | CHEVR | 1999 | - | 3 | N | | | | | | | | | |
| 2 | DRVR | 56 | M | W | HNBD | PROG | ST | W | - | -00 | FORD | 1990 | - | 3 | N | | | | | | | | |
| Primary Rd | GONZALES RD | Distance (ft) | 500 | Direction | W | Secondary Rd | PATTERSON RD | NCIC | 5604 | State Hwy? | N | Route | Postmile | Prefix | Postmile | Collision Date | 20120504 | Time | 0750 | Day | FRI | Side of Hwy | |
| City | OXNARD | County | VENTURA | Population | 6 | Rpt Dist | Beat 011 | Type | CallTrans | Dist | | Badge | 5313 | # Injured | 0 | Tow Away? | N | Process Date | 20131210 | Spec Cond | 0 | Ramp/Int | |
| Primary Collision Factor | LANE CHANGE | Weather/2 | CLEAR | Motor Veh Involved With | OTHER MV | Collision Type | SIDESWIPE | Severity | PDO | | | # Killed | 0 | Rdwy Cond | 2 | Rdwy Cond | 0 | | | | | | |
| Hit and Run | | | | | | | | | | | | | | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 | Viol | OAF2 | Safety | Equip | Equip | Ejected | |
| 1 | DRVR | 43 | M | H | HNBD | PROG | ST | W | - | -00 | MERCE | 1999 | - | 3 | N | | | | | | | | |
| 2F | DRVR | 998 | M | W | HNBD | CHANG | LN | W | - | -00 | CHRY | 2006 | - | - | N | | | | | | | | |
| Primary Rd | GONZALES RD | Distance (ft) | 1 | Direction | Secondary Rd | PATTERSON RD | NCIC | 5604 | State Hwy? | N | Route | Postmile | Prefix | Postmile | Collision Date | 20120920 | Time | 0800 | Day | THU | Side of Hwy | | |
| City | OXNARD | County | VENTURA | Population | 6 | Rpt Dist | Beat 011 | Type | CallTrans | Dist | | Badge | 5037 | # Injured | 1 | Tow Away? | N | Process Date | 20131211 | Spec Cond | 0 | Ramp/Int | |
| Primary Collision Factor | R-O-W PED | Weather/2 | CLEAR | Motor Veh Involved With | OTHER MV | Collision Type | AUTOPEID | Severity | INJURY | | | # Killed | 0 | Rdwy Cond | 2 | Rdwy Cond | 0 | | | | | | |
| Hit and Run | | | | | | | | | | | | | | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 | Viol | OAF2 | Safety | Equip | Equip | Ejected | |
| 1F | DRVR | 998 | F | H | HNBD | RGT | TURN | E | - | -00 | CHEVR | | - | - | N | | | | | | | | |
| 2 | PED | 15 | M | W | HNBD | PROG | ST | W | N | 6000 | | - | - | 3 | N | | | | | | | | |
| Primary Rd | GONZALES RD | Distance (ft) | 200 | Direction | W | Secondary Rd | PATTERSON AV | NCIC | 5604 | State Hwy? | N | Route | Postmile | Prefix | Postmile | Collision Date | 20121004 | Time | 0748 | Day | THU | Side of Hwy | |
| City | OXNARD | County | VENTURA | Population | 6 | Rpt Dist | Beat 011 | Type | CallTrans | Dist | | Badge | 4998 | # Injured | 0 | Tow Away? | N | Process Date | 20140403 | Spec Cond | 0 | Ramp/Int | |
| Primary Collision Factor | UNSAFE SPEED | Weather/2 | CLEAR | Motor Veh Involved With | OTHER MV | Collision Type | REAR END | Severity | PDO | | | # Killed | 0 | Rdwy Cond | 2 | Rdwy Cond | 0 | | | | | | |
| Hit and Run | | | | | | | | | | | | | | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 | Viol | OAF2 | Safety | Equip | Equip | Ejected | |
| 1F | DRVR | 15 | M | H | HNBD | PROG | ST | W | - | -00 | HONDA | 1993 | - | 3 | N | | | | | | | | |
| 2 | DRVR | 39 | F | H | HNBD | STOPPED | W | - | -00 | NISSA | 2004 | - | 3 | N | | | | | | | | | |
| Primary Rd | GONZALES RD | Distance (ft) | 1 | Direction | Secondary Rd | PATTERSON RD | NCIC | 5604 | State Hwy? | N | Route | Postmile | Prefix | Postmile | Collision Date | 20121108 | Time | 1845 | Day | THU | Side of Hwy | | |
| City | OXNARD | County | VENTURA | Population | 6 | Rpt Dist | Beat 011 | Type | CallTrans | Dist | | Badge | 4947 | # Injured | 2 | Tow Away? | Y | Process Date | 20140108 | Spec Cond | 0 | Ramp/Int | |
| Primary Collision Factor | R-O-W AUTO | Weather/2 | CLOUDY | Motor Veh Involved With | OTHER MV | Collision Type | BROADSIDE | Severity | INJURY | | | # Killed | 0 | Rdwy Cond | 2 | Rdwy Cond | 0 | | | | | | |
| Hit and Run | | | | | | | | | | | | | | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 | Viol | OAF2 | Safety | Equip | Equip | Ejected | |
| 1F | DRVR | 78 | F | W | HNBD | LFT | TURN | N | - | -00 | NISSA | 1997 | - | 3 | N | | | | | | | | |
| 2 | DRVR | 27 | M | H | HNBD | PROG | ST | W | - | -00 | NISSA | 2005 | - | 3 | N | | | | | | | | |

#151346(d) 2010 - AV. 2015 COLLISIONS ON GONZALES ROAD AND PATTERSON ROAD, IN THE CITY OF OXNARD, VENTURA COUNTY

| Primary Rd | Distance (ft) | Direction | Secondary Rd | PATTERNSON RD | NCIC 5604 | State Hwy? | N | Route | Postmile Prefix | Postmile | Side of Hwy | | |
|--------------------------|---------------|-------------------------|--------------|----------------|-------------------|---------------|--------------|---------------|-----------------|----------|--------------|-------------------|---|
| City OXNARD | VENTURA | Population | 6 | Beat 011 | Type | CalTrans Dist | | Badge 5118 | Collision Date | 20130118 | Time 1239 | | |
| Primary Collision Factor | R-O-W AUTO | Violation | 21801A | BROADSIDE | Severity | INJURY | | # Killed 0 | Tow Away? | Y | Process Date | | |
| Weather1 | CLEAR | Rdwy Surface | DRY | Lighting | DAYLIGHT | Ped Action | | Rdwy Cond1 | NO UNUSL CND | | Spec Cond 0 | | |
| Hit and Run | | Motor Veh Involved With | OTHER MV | | | | | Rdwy Cond2 | | | Ramp/Int | | |
| Party Type | Age Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll Dir | SW | Veh | CHP | Year | Sp Info | OAF1 Viol | OAF2 Safety Equip | |
| 1F | DRVR 20 F | H | HNBD | | LFT TURN | S | -00 | HONDA | 1997 | - | 3 | N | |
| 2 | DRVR 51 M | H | HNBD | | PROC ST | E | -00 | MITSU | 2000 | - | 3 | N | |
| 3 | DRVR 39 F | A | HNBD | | LFT TURN | N | -00 | DODGE | 2004 | - | 3 | N | |
| Primary Rd | GONZALES RD | Distance (ft) | 1 | Direction | W | Secondary Rd | PATTERSON RD | NCIC 5604 | State Hwy? | N | Route | | |
| City OXNARD | VENTURA | Population | 6 | Rpt Dist | | Beat 011 | Type | CalTrans Dist | | | Badge 5118 | | |
| Primary Collision Factor | R-O-W AUTO | Violation | 21801A | BROADSIDE | Severity | INJURY | | # Killed 0 | Tow Away? | Y | Process Date | | |
| Weather1 | RAINING | Rdwy Surface | WET | Lighting | DAYLIGHT | Ped Action | | Rdwy Cond1 | NO UNUSL CND | | Spec Cond 0 | | |
| Hit and Run | | Motor Veh Involved With | OTHER MV | | | | | Rdwy Cond2 | | | Ramp/Int | | |
| Party Type | Age Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll Dir | SW | Veh | CHP | Year | Sp Info | OAF1 Viol | OAF2 Safety Equip | |
| 1F | DRVR 36 M | W | HNBD | | LFT TURN | S | -00 | GMC | 2003 | - | 3 | N | |
| 2 | DRVR 19 M | H | HNBD | | PROC ST | E | -00 | LEXUS | 1993 | - | 3 | N | |
| 3 | DRVR 47 M | H | HNBD | | STOPPED | W | -00 | FORD | 2002 | - | 3 | N | |
| 4 | DRVR 57 F | H | HNBD | | STOPPED | W | -00 | HONDA | 1998 | - | 3 | N | |
| Primary Rd | GONZALES RD | Distance (ft) | 35 | Direction | E | Secondary Rd | PATTERSON RD | NCIC 5604 | State Hwy? | N | Route | | |
| City OXNARD | VENTURA | Population | 6 | Rpt Dist | | Beat 011 | Type | CalTrans Dist | | | Badge 5317 | | |
| Primary Collision Factor | UNSAFE SPEED | Violation | 22350 | SIDESWIPE | Severity | INJURY | | # Killed 0 | Tow Away? | Y | Process Date | | |
| Weather1 | CLEAR | Rdwy Surface | DRY | Lighting | DAYLIGHT | Ped Action | | Rdwy Cond1 | NO UNUSL CND | | Spec Cond 0 | | |
| Hit and Run | | Motor Veh Involved With | OTHER MV | | | | | Rdwy Cond2 | | | Ramp/Int | | |
| Party Type | Age Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll Dir | SW | Veh | CHP | Year | Sp Info | OAF1 Viol | OAF2 Safety Equip | |
| 1F | DRVR 37 M | H | HNBD | | CHANG LN | W | -00 | NISSA | 1997 | - | 3 | N | |
| 2 | DRVR 20 M | H | HNBD | | PROC ST | W | -00 | LINCO | 2006 | - | 3 | N | |
| 3 | DRVR 58 M | W | HNBD | | PROC ST | W | -00 | BMW | 2011 | - | 3 | N | |
| Primary Rd | GONZALES RD | Distance (ft) | 1 | Direction | W | Secondary Rd | PATTERSON RD | NCIC 5604 | State Hwy? | N | Route | | |
| City OXNARD | VENTURA | Population | 6 | Rpt Dist | | Beat 011 | Type | CalTrans Dist | | | Badge 5005 | | |
| Primary Collision Factor | R-O-W AUTO | Violation | 21801A | BROADSIDE | Severity | INJURY | | # Killed 0 | Tow Away? | Y | Process Date | | |
| Weather1 | CLEAR | Rdwy Surface | DRY | Lighting | DAYLIGHT | Ped Action | | Rdwy Cond1 | NO UNUSL CND | | Spec Cond 0 | | |
| Hit and Run | | Motor Veh Involved With | OTHER MV | | | | | Rdwy Cond2 | | | Ramp/Int | | |
| Party Type | Age Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll Dir | SW | Veh | CHP | Year | Sp Info | OAF1 Viol | OAF2 Safety Equip | |
| 1F | DRVR 45 F | W | HNBD | | LFT TURN | N | -00 | BMW | 2000 | - | 3 | N | |
| 2 | DRVR 41 M | W | HNBD | | PROC ST | W | -00 | FORD | 2001 | - | 3 | N | |
| Primary Rd | GONZALES RD | Distance (ft) | 45 | Direction | W | Secondary Rd | PATTERSON RD | NCIC 9765 | State Hwy? | N | Route | | |
| City OXNARD | VENTURA | Population | 6 | Rpt Dist | | Beat 901 | Type | CalTrans Dist | | | Badge 013943 | | |
| Primary Collision Factor | NOT DRIVER | Violation | | Collision Type | OTHER | Severity | INJURY | # Killed 0 | Tow Away? | N | Process Date | | |
| Weather1 | CLEAR | Rdwy Surface | DRY | Lighting | DAYLIGHT | Ped Action | | Rdwy Cond1 | NO UNUSL CND | | Spec Cond 1 | | |
| Hit and Run | | Motor Veh Involved With | NON-CLSN | | | | | Rdwy Cond2 | | | Ramp/Int | | |
| Party Type | Age Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll Dir | SW | Veh | CHP | Year | Sp Info | OAF1 Viol | OAF2 Safety Equip | |
| 1 | DRVR 45 F | H | HNBD | | PROC ST | W | H | 1700 | THOMA | 2000 | - | 3 | N |

| Role | Ext of Inj | Age | Sex | Seat | Pos | Safety Equip | Ejected |
|------|------------|-----|-----|------|-----|--------------|---------|
| DRVR | COMP | PN | 20 | F | 1 | M | G |
| DRVR | COMP | PN | 51 | M | 1 | M | G |
| PASS | OTH | VIS | 38 | F | 3 | M | G |

| Role | Ext of Inj | Age | Sex | Seat | Pos | Safety Equip | Ejected |
|------|------------|-----|-----|------|-----|--------------|---------|
| DRVR | COMP | PN | 19 | M | 1 | M | G |
| DRVR | COMP | PN | 47 | M | 1 | M | G |
| PASS | COMP | PN | 15 | F | 3 | M | G |
| DRVR | COMP | PN | 57 | F | 1 | M | G |

| Role | Ext of Inj | Age | Sex | Seat | Pos | Safety Equip | Ejected |
|------|------------|-----|-----|------|-----|--------------|---------|
| DRVR | COMP | PN | 45 | F | 1 | L | G |
| PASS | COMP | PN | 32 | M | 3 | L | G |
| DRVR | COMP | PN | 42 | M | 1 | M | G |
| PASS | COMP | PN | 39 | F | 3 | M | G |

| Role | Ext of Inj | Age | Sex | Seat | Pos | Safety Equip | Ejected |
|------|------------|-----|-----|------|-----|--------------|---------|
| DRVR | COMP | PN | 12 | M | 8 | P | A |



ASSOCIATED TRANSPORTATION ENGINEERS

100 N. Hope Avenue, Suite 4, Santa Barbara, CA 93110 • (805) 687-4418 • (805) 682-8509-F

ACCIDENT RATE CALCULATION SHEET - FOR INTERSECTIONS

Project: Thurgood Marshall School **File Name:** Accident Rate Wkst.exl
Project #: 015098
Analyst: DFN
Date: 2/17/2016

N/S Street: Patterson Road
E/W Street: Gonzales Road

Weekday:
PM Peak Hour Entering Volume: 2144
Peak Hour Factor: 10
-----OR-----
Total Approach ADT: N/A

Weekend:
PM Peak Hour Entering Volume OR ADT: 100% (as a percentage of Weekday PM Peak Hour Entering Volume OR ADT)

Period Analyzed (years): 5

Number of Accidents: 21

Million Entering Vehicle Miles: 39.13 million entering vehicle miles (mevm)

Accident Rate: .54 accidents per million entering vehicle miles (mevm)

Intersection Rate Group:
California State Average Collision Rate: 0.43

DEFINITIONS

$$\text{Number Expected} = \frac{\text{ADT} \times \text{Time} \times \text{Rate Expected}}{1000000}$$

$$\text{Number Significant} = \text{Number Expected} + (2.576 \times \text{Number Expected}) + 1.329$$

NOTES: Number Significant using 99.5% confidence level.

For intersections, use annual number of entering vehicles in place of ADT and delete length. The NR is the same as for roadway segments.

CALCULATIONS - GONZALES ROAD/PATTERSON ROAD (2010-2015)

$$\text{Number Expected} = \frac{21440 \times 1825 \times 0.43}{1000000} = 16.825$$

$$\text{Number Significant} = 28.7204$$



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ACCIDENT RATE CALCULATION SHEET - FOR INTERSECTIONS

Project: Thurgood Marshall School **File Name:** Accident Rate Wkst.exl
Project #: 015098
Analyst: DFN
Date: 2/17/2016

N/S Street: Patterson Road
E/W Street: Thurgood Marshall Drive

Weekday:
PM Peak Hour Entering Volume: 371
Peak Hour Factor: 10
-----OR-----
Total Approach ADT: N/A

Weekend:
PM Peak Hour Entering Volume OR ADT: 100% (as a percentage of Weekday PM Peak Hour Entering Volume OR ADT)

Period Analyzed (years): 5

Number of Accidents: 2

Million Entering Vehicle Miles: 6.77 million entering vehicle miles (mevm)

Accident Rate: .3 accidents per million entering vehicle miles (mevm)

Intersection Rate Group:
California State Average Collision Rate: 0.14

DEFINITIONS

$$\text{Number Expected} = \frac{\text{ADT} \times \text{Time} \times \text{Rate Expected}}{1000000}$$

$$\text{Number Significant} = \text{Number Expected} + (2.576 \times \text{Number Expected}) + 1.329$$

NOTES: Number Significant using 99.5% confidence level.
For intersections, use annual number of entering vehicles in place of ADT and delete length. The NR is the same as for roadway segments.

CALCULATIONS - PATTERSON ROAD/THURGOOD MARSHALL DRIVE (2010-2015)

$$\text{Number Expected} = \frac{3710 \times 1825 \times 0.14}{1000000} = 0.94791$$

$$\text{Number Significant} = 4.78491$$

TECHNICAL APPENDIX

CONTENTS

INTERSECTION TRAFFIC COUNT DATA

INTERSECTION LEVEL OF SERVICE CRITERIA/DEFINITIONS

INTERSECTION LEVEL OF SERVICE CALCULATION WORKSHEETS

- Reference 1 - Gonzales Road/Merion Way
- Reference 2 - Gonzales Road/Campus Road
- Reference 3 - Gonzales Road/Thurgood Marshall Drive
- Reference 4 - Gonzales Road/Patterson Road
- Reference 5 - Patterson Road/Thurgood Marshall Drive

CALTRANS COLLISION DATA

INTERSECTION TRAFFIC COUNT DATA

ITM Peak Hour Summary

Prepared by:

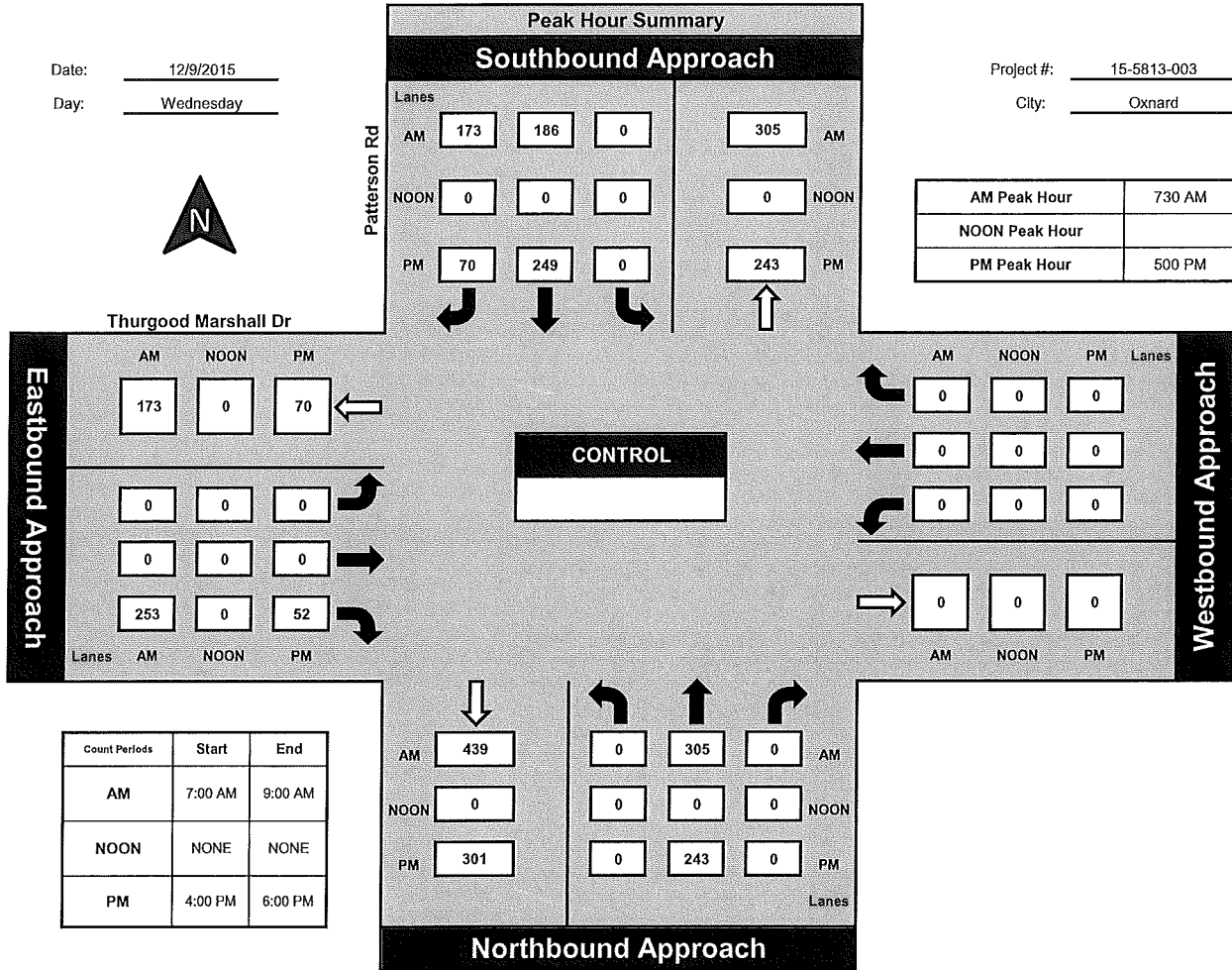


National Data & Surveying Services

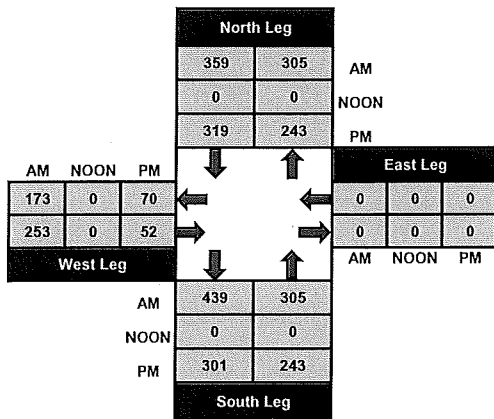
Patterson Rd and Thurgood Marshall Dr, Oxnard

Date: 12/9/2015
Day: Wednesday

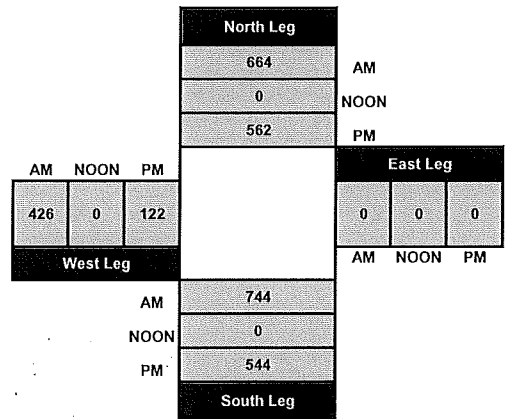
Project #: 15-5813-003
City: Oxnard



Total Ins & Outs



Total Volume Per Leg



ITM Peak Hour Summary

Prepared by:

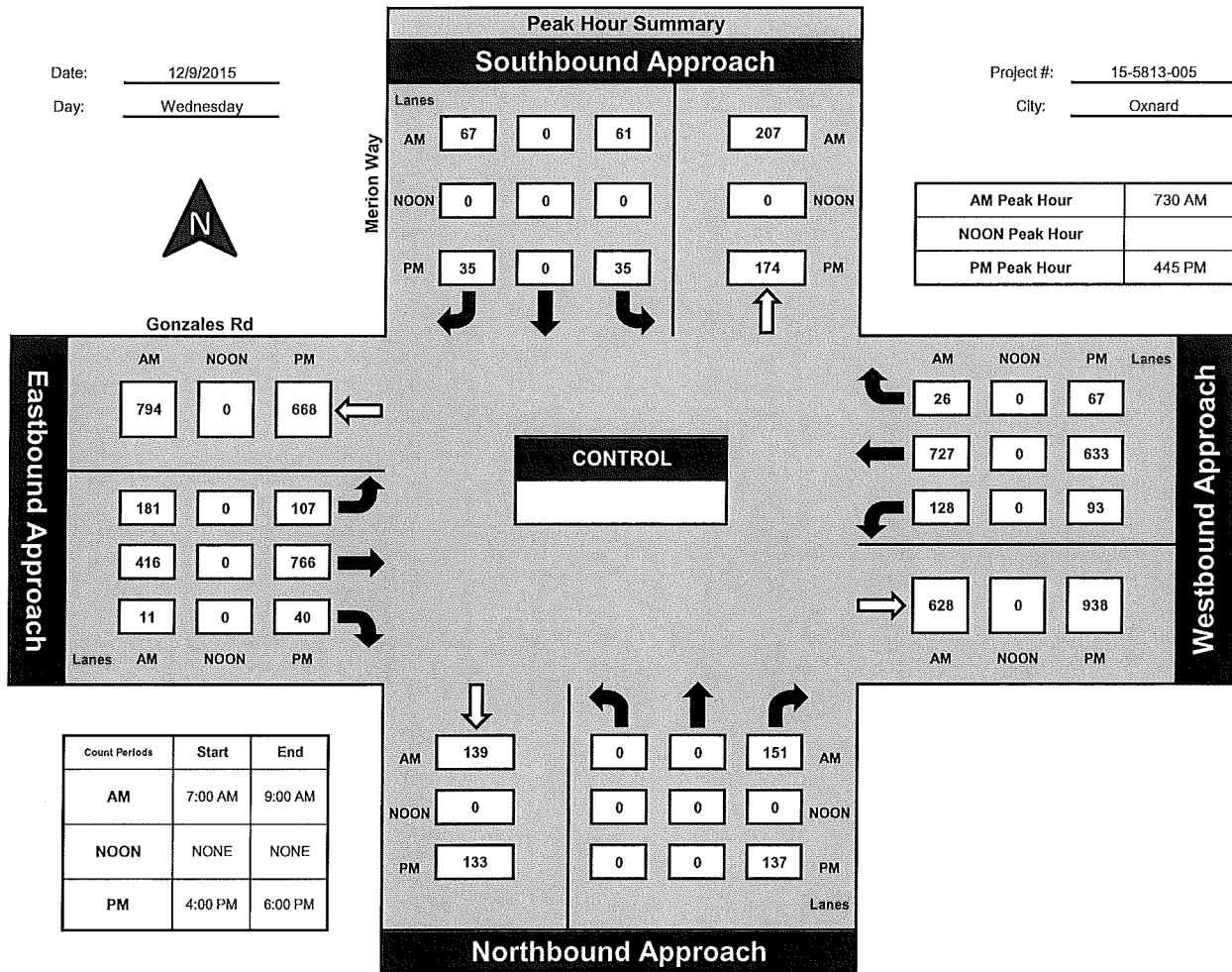


National Data & Surveying Services

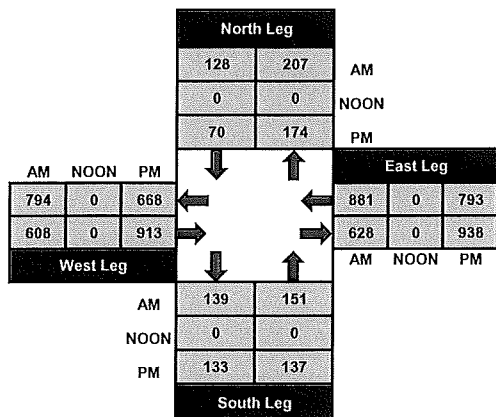
Merion Way and Gonzales Rd, Oxnard

Date: 12/9/2015
Day: Wednesday

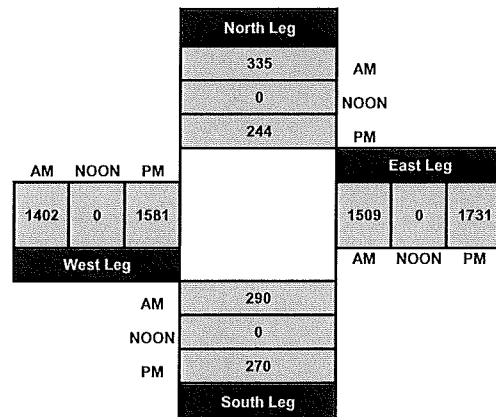
Project #: 15-5813-005
City: Oxnard



Total Ins & Outs



Total Volume Per Leg



ITM Peak Hour Summary

Prepared by:

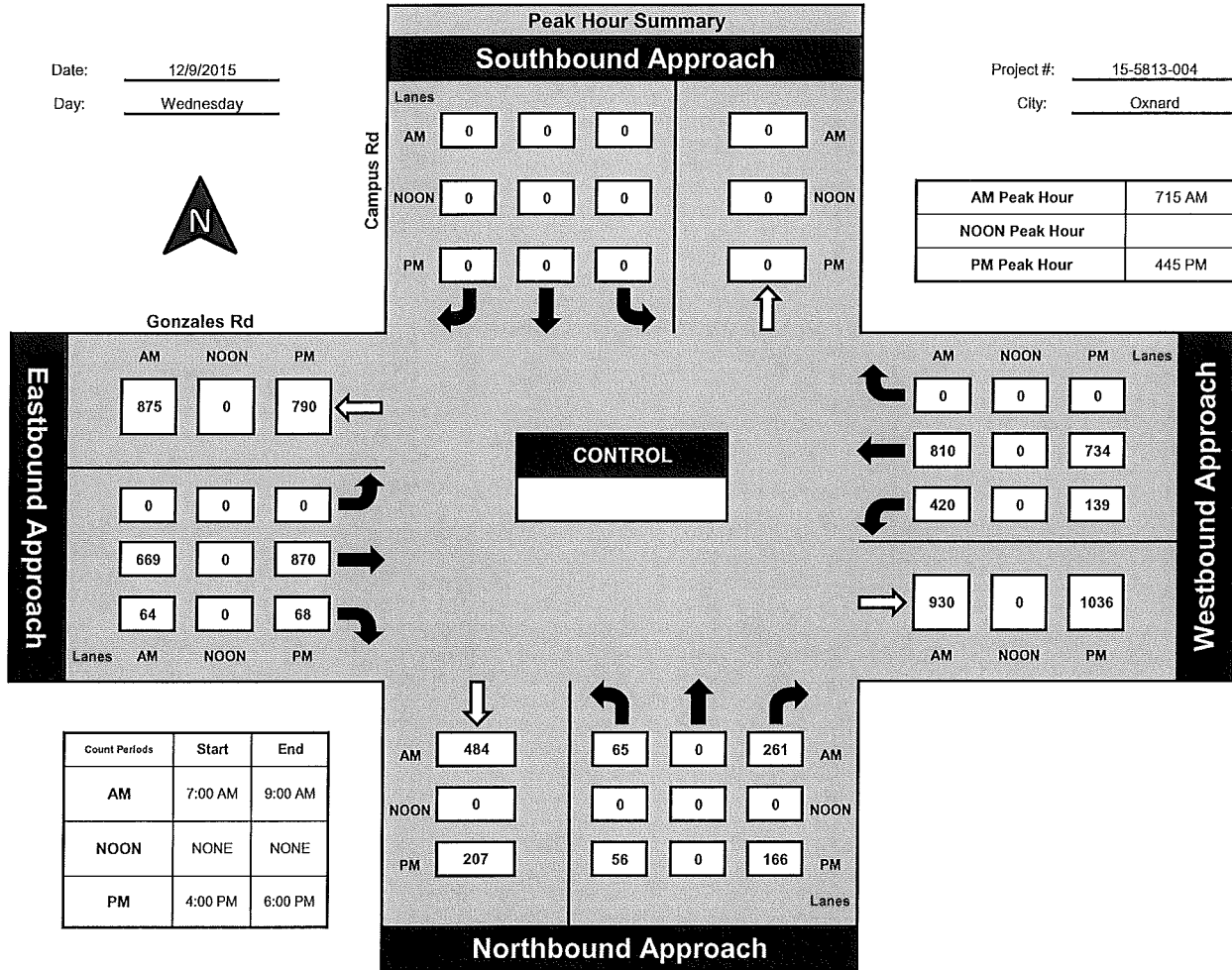


National Data & Surveying Services

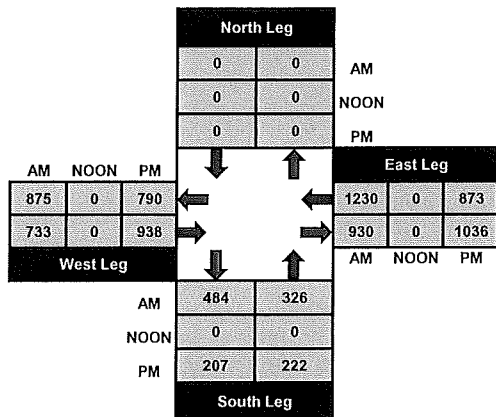
Campus Rd and Gonzales Rd, Oxnard

Date: 12/9/2015
Day: Wednesday

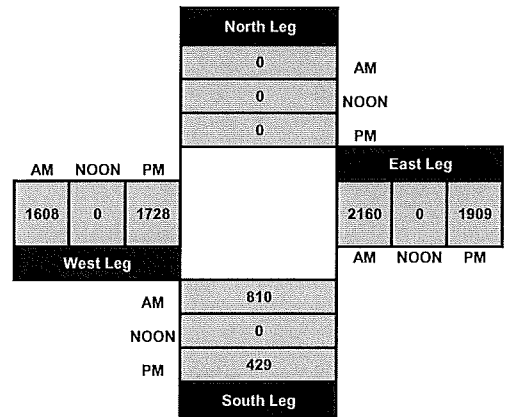
Project #: 15-5813-004
City: Oxnard



Total Ins & Outs



Total Volume Per Leg



ITM Peak Hour Summary

Prepared by:

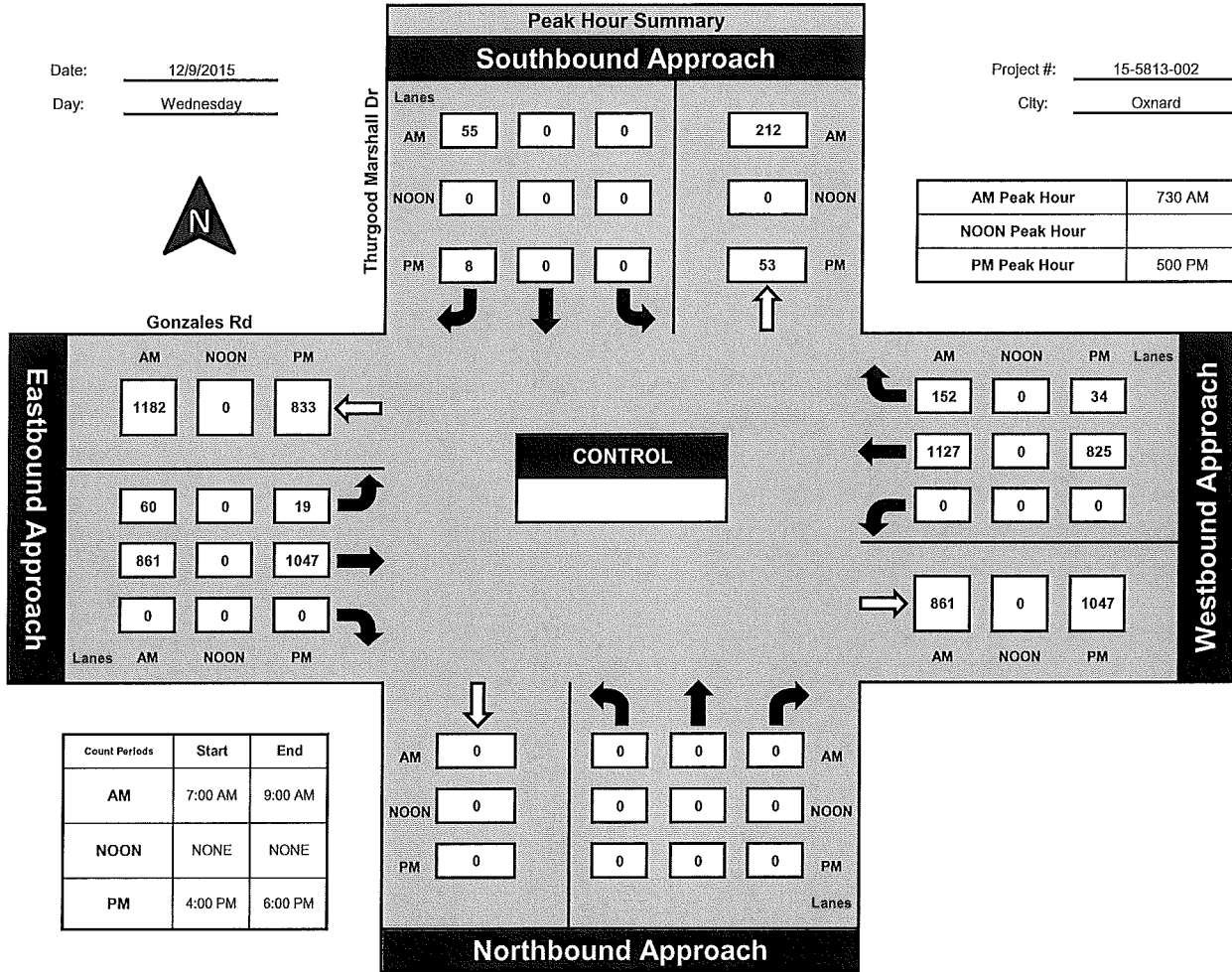


National Data & Surveying Services

Thurgood Marshall Dr and Gonzales Rd, Oxnard

Date: 12/9/2015
Day: Wednesday

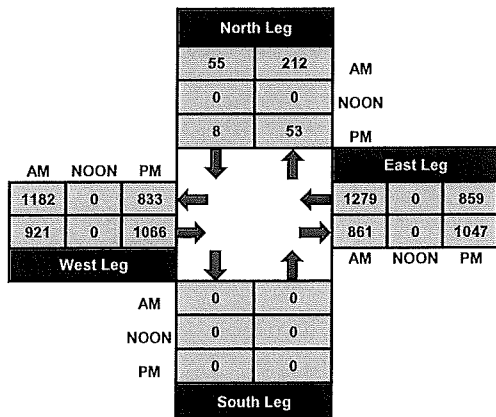
Project #: 15-5813-002
City: Oxnard



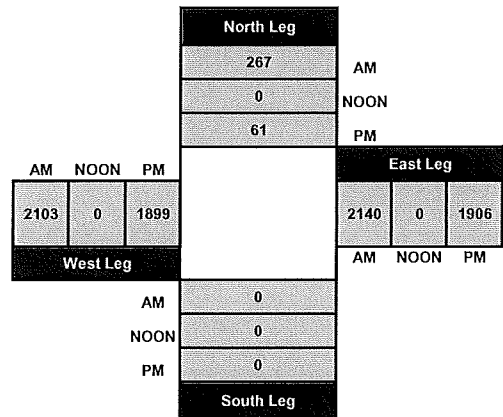
| | |
|----------------|--------|
| AM Peak Hour | 730 AM |
| NOON Peak Hour | |
| PM Peak Hour | 500 PM |

| Count Periods | Start | End |
|---------------|---------|---------|
| AM | 7:00 AM | 9:00 AM |
| NOON | NONE | NONE |
| PM | 4:00 PM | 6:00 PM |

Total Ins & Outs



Total Volume Per Leg



ITM Peak Hour Summary

Prepared by:

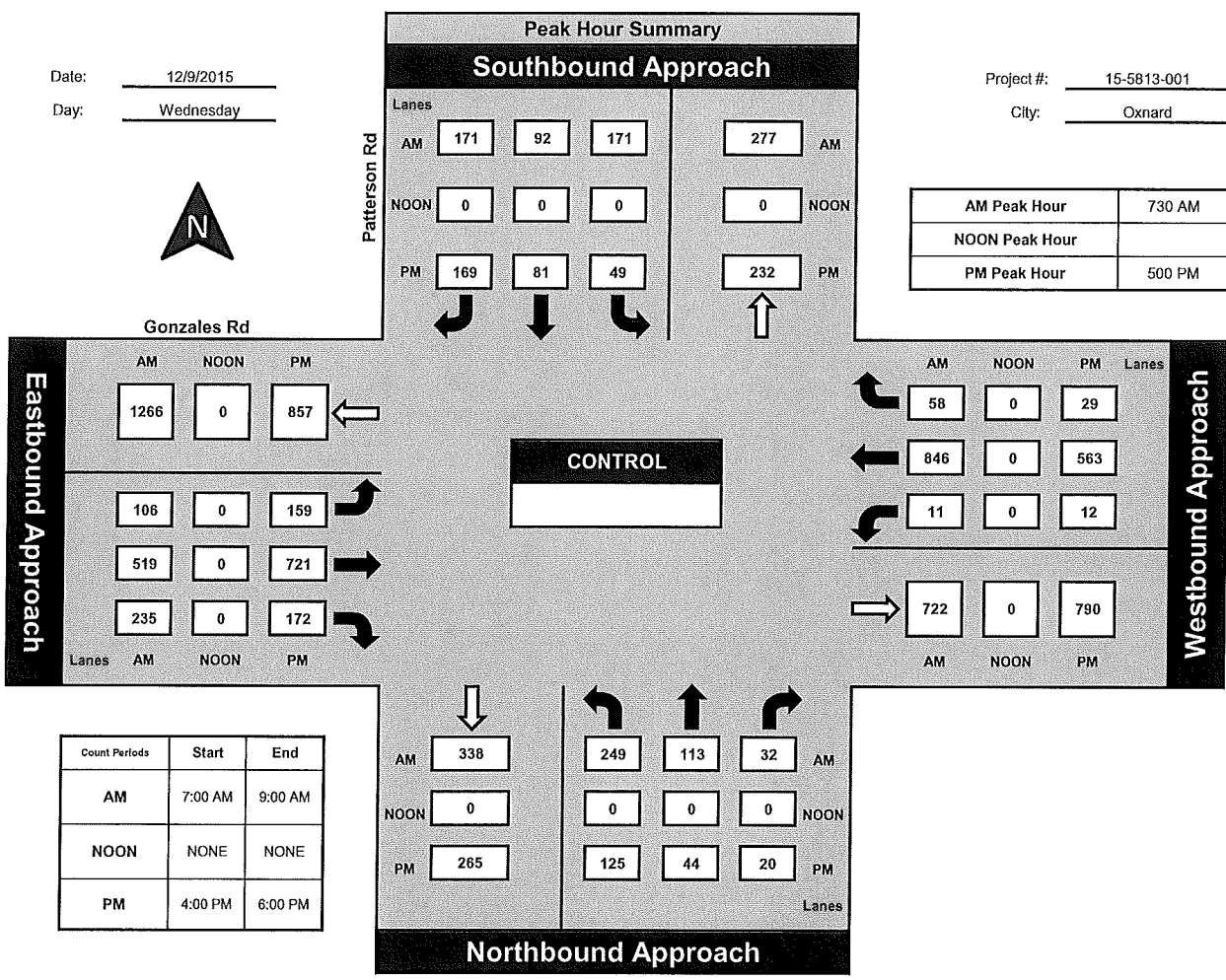


National Data & Surveying Services

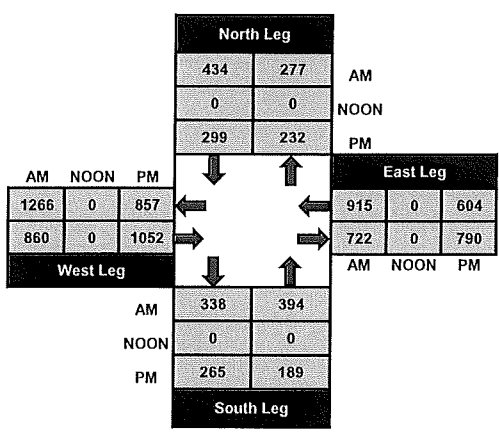
Patterson Rd and Gonzales Rd, Oxnard

Date: 12/9/2015
Day: Wednesday

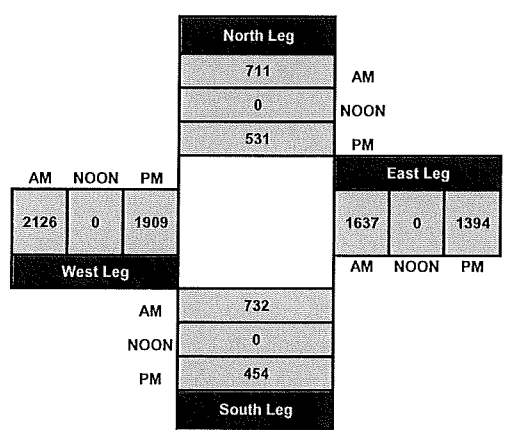
Project #: 15-5813-001
City: Oxnard



Total Ins & Outs



Total Volume Per Leg



INTERSECTION LEVEL OF SERVICE CRITERIA/DEFINITIONS

LEVEL OF SERVICE DEFINITIONS

"Levels of Service" (LOS) A through F are used to rate roadway and intersection operating conditions, with LOS A indicating very good operations and LOS F indicating poor operations. More complete level of service definitions are:

| LOS | Definition |
|-----|---|
| A | Low volumes; primarily free flow operations. Density is low and vehicles can freely maneuver within traffic stream. Drivers can maintain their desired speeds with little or no delay. |
| B | Stable flow with potential for some restriction of operating speeds due to traffic conditions. Maneuvering is only slightly restricted. Stopped delays are not bothersome and drivers are not subject to appreciable tension. |
| C | Stable operations, however the ability to maneuver is more restricted by the increase in traffic volumes. Relatively satisfactory operating speeds prevail but adverse signal coordination or longer queues cause delays. |
| D | Approaching unstable traffic flow where small increases in volume could cause substantial delays. Most drivers are restricted in their ability to maneuver and their selection of travel speeds. Comfort and convenience are low but tolerable. |
| E | Operations characterized by significant approach delays and average travel speeds of one-half to one-third of free flow speed. Flow is unstable and potential for stoppages of brief duration. High signal density, extensive queuing, or signal progression/timing are the typical causes of delays. |
| F | Forced flow operations with high approach delays at critical signalized intersections. Speeds are reduced substantially and stoppages may occur for short or long periods of time because of downstream congestion. |

Signalized Intersection Level of Service Definitions

| LOS | Delay ^a | V/C Ratio | Definition |
|-----|--------------------|-------------|--|
| A | < 10.0 | < 0.60 | Progression is extremely favorable. Most vehicles arrive during the green phase. Many vehicles do not stop at all. |
| B | 10.1 - 20.0 | 0.61 - 0.70 | Good progression, short cycle lengths, or both. More vehicles stop than with LOS A, causing higher levels of delay. |
| C | 20.1 - 35.0 | 0.71 - 0.80 | Only fair progression, longer cycle lengths, or both, result in higher cycle lengths. Cycle lengths may fail to serve queued vehicles, and overflow occurs. Number of vehicles stopped is significant, though many still pass through intersection without stopping. |
| D | 35.1 - 55.0 | 0.81 - 0.90 | Congestion becomes more noticeable. Unfavorable progression, long cycle lengths and high v/c ratios result in longer delays. Many vehicles stop, and the proportion of vehicles not stopping declines. Individual cycle failures are noticeable. |
| E | 55.1 - 80.0 | 0.91 - 1.00 | High delay values indicate poor progression, long cycle lengths and high v/c ratios. Individual cycle failures are frequent |
| F | > 80.0 | > 1.00 | Considered unacceptable for most drivers, this level occurs when arrival flow rates exceed the capacity of lane groups, resulting in many individual cycle failures. Poor progression and long cycle lengths may also contribute to high delay levels. |

^a Average control delay per vehicle in seconds.

Unsignalized Intersection Level of Service Definitions

The HCM¹ uses *control delay* to determine the level of service at unsignalized intersections. Control delay is the difference between the travel time actually experienced at the control device and the travel time that would occur in the absence of the traffic control device. Control delay includes deceleration from free flow speed, queue move-up time, stopped delay and acceleration back to free flow speed.

| LOS | Control Delay Seconds per Vehicle |
|-----|--------------------------------------|
| A | < 10.0 |
| B | 10.1 - 15.0 |
| C | 15.1 - 25.0 |
| D | 25.1 - 35.0 |
| E | 35.1 - 50.0 |
| F | > 50.0 |

¹ Highway Capacity Manual, National Research Board, 2000

DISCUSSION OF INTERSECTION CAPACITY UTILIZATION (ICU)

The ability of a roadway to carry traffic is referred to as capacity. The capacity is usually less at intersections because traffic flows continuously between them and only during the green phase at them. Capacity at intersections is best defined in terms of vehicles per lane per hour of green. The technique used to compare the volumes and capacity of an intersection is known as Intersection Capacity Utilization (ICU). ICU or volume-to-capacity ratio, usually expressed as a percentage, is the proportion of an hour required to provide sufficient capacity to accommodate all intersection traffic if all approaches operate at capacity. If an intersection is operating at 80 percent of capacity, then 20 percent of the signal cycle is not used.

The ICU calculation assumes that an intersection is signalized and that the signal is ideally timed. Although calculating ICU for an unsignalized intersection is invalid, the presumption is that a signal can be installed and the calculation shows whether the geometrics are capable of accommodating the expected volumes. It is possible to have an ICU well below 100 percent, yet have severe traffic congestion. This would occur if one or more movements is not getting sufficient time to satisfy its demand, and excess time exists on other movements. This is an operational problem which should be addressed.

Capacity is often defined in terms of roadway width. However, standard lanes have approximately the same capacity whether they are 11 or 14 feet wide. Data collected by Kunzman Associates indicates a typical lane, whether a through-lane or a left-turn lane, has a capacity of approximately 1,700 vehicles per hour, with nearly all locations showing a capacity greater than 1,600 vehicles per hour per lane. This finding is published in the August, 1978 issue of ITE Journal in the article entitled, "Another Look at Signalized Intersection Capacity" by William Kunzman. For this study, a capacity of 1,600 vehicles per hour per lane will be assumed for left-turn, through, and right-turn lanes as per City policy.

The yellow time can either be assumed to be completely used and no penalty applied, or it can be assumed to be only partially usable. Total yellow time accounts for less than 10 percent of a cycle, and a penalty of up to five percent is reasonable. On the other hand, during peak hour traffic operation, the yellow times are nearly completely used. In this study, no penalty will be applied for the yellow because the capacities have been assumed to be only 1,600 vehicles per hour per lane when in general they are 1,700-1,800 vehicles per hour per lane.

The ICU technique is an ideal tool to quantify existing as well as future intersection operations. The impact of adding a lane can be quickly determined by examining the effect the lane has on the intersection capacity utilization.

Source: Oxnard Airport Business Park Traffic Study, Kunzman Assoc., City of Oxnard, 1985.

INTERSECTION LOS CALCULATION WORKSHEETS

- Reference 1 - Gonzales Road/Merion Way**
- Reference 2 - Gonzales Road/Campus Road**
- Reference 3 - Gonzales Road/Thurgood Marshall Drive**
- Reference 4 - Gonzales Road/Patterson Road**
- Reference 5 - Patterson Road/Thurgood Marshall Drive**

THURGOOD MARSHALL SCHOOL PROJECT (#15098)

REF: 01 AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: 12/16/2015
 TIME PERIOD: A.M. PEAK HOUR
 N/S STREET: MERION WAY
 E/W STREET: GONZALES ROAD
 CONTROL TYPE: SIGNAL

TRAFFIC VOLUME SUMMARY

| VOLUMES | NORTH BOUND | | | SOUTH BOUND | | | EAST BOUND | | | WEST BOUND | | |
|--------------------|-------------|---|-----|-------------|---|----|------------|-----|----|------------|-----|----|
| | L | T | R | L | T | R | L | T | R | L | T | R |
| (A) EXISTING: | 0 | 0 | 151 | 61 | 0 | 67 | 181 | 416 | 11 | 128 | 737 | 26 |
| (B) PROJECT-ADDED: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 13 | 0 |
| (C) CUMULATIVE: | 0 | 0 | 151 | 61 | 0 | 67 | 181 | 449 | 11 | 128 | 758 | 26 |

GEOMETRICS

| LANE GEOMETRICS | NORTH BOUND | | SOUTH BOUND | | EAST BOUND | | WEST BOUND | |
|-----------------|-------------|---|-------------|---|------------|---|------------|---|
| | R | R | L | R | L | T | T | R |

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
 SCENARIO 2 = EXISTING + PROJECT VOLUMES (A+B)
 SCENARIO 3 = CUMULATIVE (C)
 SCENARIO 4 = CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

| MOVE-MENTS | # OF LANES | CAPACITY | SCENARIO VOLUMES | | | | SCENARIO V/C RATIOS | | | | | |
|---|------------|----------|------------------|-----|-----|-----|---------------------|---------|---------|---------|--|--|
| | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | |
| NBL | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| NBT | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| NBR | 2 | 3200 | 151 | 151 | 151 | 151 | 0.047 * | 0.047 * | 0.047 * | 0.047 * | | |
| SBL | 1 | 1600 | 61 | 61 | 61 | 61 | 0.038 * | 0.038 * | 0.038 * | 0.038 * | | |
| SBT | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| SBR | 1 | 1600 | 67 | 67 | 67 | 67 | 0.042 | 0.042 | 0.042 | 0.042 | | |
| EBL | 1 | 1600 | 181 | 181 | 181 | 181 | 0.113 * | 0.113 * | 0.113 * | 0.113 * | | |
| EBT | 2 | 3200 | 416 | 431 | 449 | 464 | 0.133 | 0.138 | 0.144 | 0.148 | | |
| EBR | 0 | 0 | 11 | 11 | 11 | 11 | - | - | - | - | | |
| WBL | 1 | 1600 | 128 | 128 | 128 | 128 | 0.080 | 0.080 | 0.080 | 0.080 | | |
| WBT | 2 | 3200 | 737 | 750 | 758 | 771 | 0.238 * | 0.243 * | 0.245 * | 0.249 * | | |
| WBR | 0 | 0 | 26 | 26 | 26 | 26 | - | - | - | - | | |
| TOTAL INTERSECTION CAPACITY UTILIZATION: | | | | | | | 0.44 | 0.44 | 0.44 | 0.45 | | |
| SCENARIO LEVEL OF SERVICE: | | | | | | | A | A | A | A | | |

NOTES:

THURGOOD MARSHALL SCHOOL PROJECT (#15098)

REF: 01 PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: 12/16/2015
 TIME PERIOD: P.M. PEAK HOUR
 N/S STREET: MERION WAY
 E/W STREET: GONZALES ROAD
 CONTROL TYPE: SIGNAL

TRAFFIC VOLUME SUMMARY

| VOLUMES | NORTH BOUND | | | SOUTH BOUND | | | EAST BOUND | | | WEST BOUND | | |
|--------------------|-------------|---|-----|-------------|---|----|------------|-----|----|------------|-----|----|
| | L | T | R | L | T | R | L | T | R | L | T | R |
| (A) EXISTING: | 0 | 0 | 137 | 35 | 0 | 35 | 107 | 766 | 40 | 93 | 633 | 67 |
| (B) PROJECT-ADDED: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 0 |
| (C) CUMULATIVE: | 0 | 0 | 137 | 35 | 0 | 35 | 107 | 794 | 40 | 93 | 705 | 67 |

GEOMETRICS

| LANE GEOMETRICS | NORTH BOUND R R | SOUTH BOUND L R | EAST BOUND L T TR | WEST BOUND L T TR |
|-----------------|--------------------|--------------------|----------------------|----------------------|
|-----------------|--------------------|--------------------|----------------------|----------------------|

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
 SCENARIO 2 = EXISTING + PROJECT VOLUMES (A+B)
 SCENARIO 3 = CUMULATIVE (C)
 SCENARIO 4 = CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

| MOVE- MENTS | # OF LANES | CAPACITY | SCENARIO VOLUMES | | | | SCENARIO V/C RATIOS | | | | | |
|---|---------------|----------|------------------|-----|-----|-----|---------------------|-------------|-------------|-------------|--|--|
| | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | |
| NBL | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| NBT | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| NBR | 2 | 3200 | 137 | 137 | 137 | 137 | 0.043 * | 0.043 * | 0.043 * | 0.043 * | | |
| SBL | 1 | 1600 | 35 | 35 | 35 | 35 | 0.022 * | 0.022 * | 0.022 * | 0.022 * | | |
| SBT | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| SBR | 1 | 1600 | 35 | 35 | 35 | 35 | 0.022 | 0.022 | 0.022 | 0.022 | | |
| EBL | 1 | 1600 | 107 | 107 | 107 | 107 | 0.067 | 0.067 | 0.067 | 0.067 | | |
| EBT | 2 | 3200 | 766 | 770 | 794 | 798 | 0.252 * | 0.253 * | 0.261 * | 0.262 * | | |
| EBR | 0 | 0 | 40 | 40 | 40 | 40 | - | - | - | - | | |
| WBL | 1 | 1600 | 93 | 93 | 93 | 93 | 0.058 * | 0.058 * | 0.058 * | 0.058 * | | |
| WBT | 2 | 3200 | 633 | 637 | 705 | 709 | 0.219 | 0.220 | 0.241 | 0.243 | | |
| WBR | 0 | 0 | 67 | 67 | 67 | 67 | - | - | - | - | | |
| TOTAL INTERSECTION CAPACITY UTILIZATION: | | | | | | | 0.38 | 0.38 | 0.38 | 0.39 | | |
| SCENARIO LEVEL OF SERVICE: | | | | | | | A | A | A | A | | |

NOTES:

THURGOOD MARSHALL SCHOOL PROJECT (#15098)

REF: 02 AM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: 12/16/2015
 TIME PERIOD: A.M. PEAK HOUR
 N/S STREET: CAMPUS ROAD
 E/W STREET: GONZALES ROAD
 CONTROL TYPE: SIGNAL

TRAFFIC VOLUME SUMMARY

| VOLUMES | NORTH BOUND | | | SOUTH BOUND | | | EAST BOUND | | | WEST BOUND | | |
|--------------------|-------------|---|-----|-------------|---|---|------------|-----|----|------------|-----|---|
| | L | T | R | L | T | R | L | T | R | L | T | R |
| (A) EXISTING: | 65 | 0 | 261 | 0 | 0 | 0 | 0 | 669 | 64 | 420 | 810 | 0 |
| (B) PROJECT-ADDED: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 13 | 0 |
| (C) CUMULATIVE: | 65 | 0 | 261 | 0 | 0 | 0 | 0 | 702 | 64 | 420 | 841 | 0 |

GEOMETRICS

| LANE GEOMETRICS | NORTH BOUND LR R | SOUTH BOUND L R | EAST BOUND T TR | WEST BOUND L T T |
|-----------------|---------------------|--------------------|--------------------|---------------------|
|-----------------|---------------------|--------------------|--------------------|---------------------|

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
 SCENARIO 2 = EXISTING + PROJECT VOLUMES (A+B)
 SCENARIO 3 = CUMULATIVE (C)
 SCENARIO 4 = CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

| MOVE- MENTS | # OF LANES | CAPACITY | SCENARIO VOLUMES | | | | SCENARIO V/C RATIOS | | | | | |
|---|---------------|----------|------------------|-----|-----|-----|---------------------|---------|---------|---------|--|--|
| | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | |
| NBL | 0 | 0 | 65 | 65 | 65 | 65 | - | - | - | - | | |
| NBT | 2 | 3200 | 0 | 0 | 0 | 0 | 0.102 * | 0.102 * | 0.102 * | 0.102 * | | |
| NBR | 0 | 0 | 261 | 261 | 261 | 261 | - | - | - | - | | |
| SBL | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| SBT | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| SBR | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| EBL | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| EBT | 2 | 3200 | 669 | 684 | 702 | 717 | 0.229 * | 0.234 * | 0.239 * | 0.244 * | | |
| EBR | 0 | 0 | 64 | 64 | 64 | 64 | - | - | - | - | | |
| WBL | 1 | 1600 | 420 | 420 | 420 | 420 | 0.263 * | 0.263 * | 0.263 * | 0.263 * | | |
| WBT | 2 | 3200 | 810 | 823 | 841 | 854 | 0.253 | 0.257 | 0.263 | 0.267 | | |
| WBR | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| TOTAL INTERSECTION CAPACITY UTILIZATION: | | | | | | | 0.59 | 0.60 | 0.60 | 0.61 | | |
| SCENARIO LEVEL OF SERVICE: | | | | | | | A | A | A | B | | |

NOTES:

THURGOOD MARSHALL SCHOOL PROJECT (#15098)

REF: 02 PM

INTERSECTION CAPACITY UTILIZATION WORKSHEET

COUNT DATE: 12/16/2015
 TIME PERIOD: P.M. PEAK HOUR
 N/S STREET: CAMPUS ROAD
 E/W STREET: GONZALES ROAD
 CONTROL TYPE: SIGNAL

TRAFFIC VOLUME SUMMARY

| VOLUMES | NORTH BOUND | | | SOUTH BOUND | | | EAST BOUND | | | WEST BOUND | | |
|--------------------|-------------|---|-----|-------------|---|---|------------|-----|----|------------|-----|---|
| | L | T | R | L | T | R | L | T | R | L | T | R |
| (A) EXISTING: | 56 | 0 | 166 | 0 | 0 | 0 | 0 | 870 | 68 | 139 | 734 | 0 |
| (B) PROJECT-ADDED: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 0 |
| (C) CUMULATIVE: | 56 | 0 | 166 | 0 | 0 | 0 | 0 | 898 | 68 | 139 | 776 | 0 |

GEOMETRICS

| LANE GEOMETRICS | NORTH BOUND LR R | SOUTH BOUND L R | EAST BOUND T TR | WEST BOUND L T T |
|-----------------|---------------------|--------------------|--------------------|---------------------|
|-----------------|---------------------|--------------------|--------------------|---------------------|

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
 SCENARIO 2 = EXISTING + PROJECT VOLUMES (A+B)
 SCENARIO 3 = CUMULATIVE (C)
 SCENARIO 4 = CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

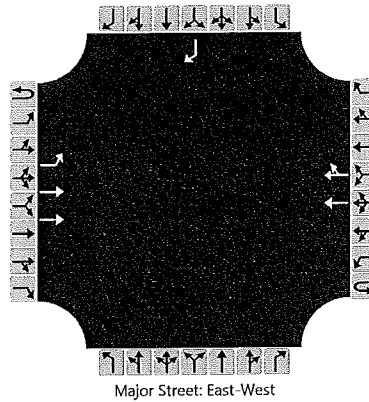
| MOVE- MENTS | # OF LANES | CAPACITY | SCENARIO VOLUMES | | | | SCENARIO V/C RATIOS | | | | | |
|---|---------------|----------|------------------|-----|-----|-----|---------------------|-------------|-------------|-------------|--|--|
| | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | |
| NBL | 0 | 0 | 56 | 56 | 56 | 56 | - | - | - | - | | |
| NBT | 2 | 3200 | 0 | 0 | 0 | 0 | 0.069 * | 0.069 * | 0.069 * | 0.069 * | | |
| NBR | 0 | 0 | 166 | 166 | 166 | 166 | - | - | - | - | | |
| SBL | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| SBT | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| SBR | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| EBL | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| EBT | 2 | 3200 | 870 | 874 | 898 | 902 | 0.293 * | 0.294 * | 0.302 * | 0.303 * | | |
| EBR | 0 | 0 | 68 | 68 | 68 | 68 | - | - | - | - | | |
| WBL | 1 | 1600 | 139 | 139 | 139 | 139 | 0.087 * | 0.087 * | 0.087 * | 0.087 * | | |
| WBT | 2 | 3200 | 734 | 738 | 776 | 780 | 0.229 | 0.231 | 0.243 | 0.244 | | |
| WBR | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | | |
| TOTAL INTERSECTION CAPACITY UTILIZATION: | | | | | | | 0.45 | 0.45 | 0.46 | 0.46 | | |
| SCENARIO LEVEL OF SERVICE: | | | | | | | A | A | A | A | | |

NOTES:

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Gonzales Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Gonzales Road |
| Analysis Year | 2015 | North/South Street | Thurgood Marshall Drive |
| Time Analyzed | A.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|-------|-------|---|-----------|---|-------|-------|------------|---|---|---|------------|----|----|-------|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Priority | | | | | | | | | | | | | | | | |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | | 0 | 0 | 0 | | 0 | 0 | 1 |
| Configuration | | L | T | | | | T | TR | | | | | | | | R |
| Volume (veh/h) | | 60 | 861 | | | | 1127 | 152 | | | | | | | | 55 |
| Percent Heavy Vehicles | | 3 | | | | | | | | | | | | | | 3 |
| Proportion Time Blocked | | 0.000 | 0.000 | | | | 0.000 | 0.000 | | | | | | | | 0.000 |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Left Only | | | | | | | | | | | | | | | |
| Median Storage | 1 | | | | | | | | | | | | | | | |

Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | |
|------------------------|-----|------|--|--|--|--|--|--|--|--|--|--|------|--|--|------|
| Flow Rate (veh/h) | | 65 | | | | | | | | | | | | | | 60 |
| Capacity | | 483 | | | | | | | | | | | | | | 381 |
| v/c Ratio | | 0.13 | | | | | | | | | | | | | | 0.16 |
| 95% Queue Length | | 0.5 | | | | | | | | | | | | | | 0.6 |
| Control Delay (s/veh) | | 13.6 | | | | | | | | | | | | | | 16.2 |
| Level of Service (LOS) | | B | | | | | | | | | | | | | | C |
| Approach Delay (s/veh) | 0.9 | | | | | | | | | | | | 16.2 | | | |
| Approach LOS | A | | | | | | | | | | | | C | | | |

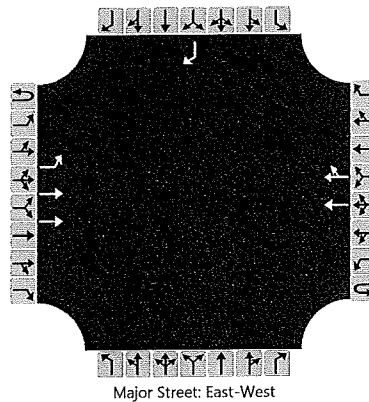
Average weighted Delay = 14.8 sec.

LOS B-

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Gonzales Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Gonzales Road |
| Analysis Year | 2015 | North/South Street | Thurgood Marshall Drive |
| Time Analyzed | A.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|-------|-------|---|-----------|---|-------|-------|------------|---|---|---|------------|----|----|-------|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | | 0 | 0 | 0 | | 0 | 0 | 1 |
| Configuration | | L | T | | | | T | TR | | | | | | | | R |
| Volume (veh/h) | | 19 | 1047 | | | | 825 | 34 | | | | | | | | 8 |
| Percent Heavy Vehicles | | 3 | | | | | | | | | | | | | | 3 |
| Proportion Time Blocked | | 0.000 | 0.000 | | | | 0.000 | 0.000 | | | | | | | | 0.000 |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Left Only | | | | | | | | | | | | | | | |
| Median Storage | 1 | | | | | | | | | | | | | | | |

Delay, Queue Length, and Level of Service

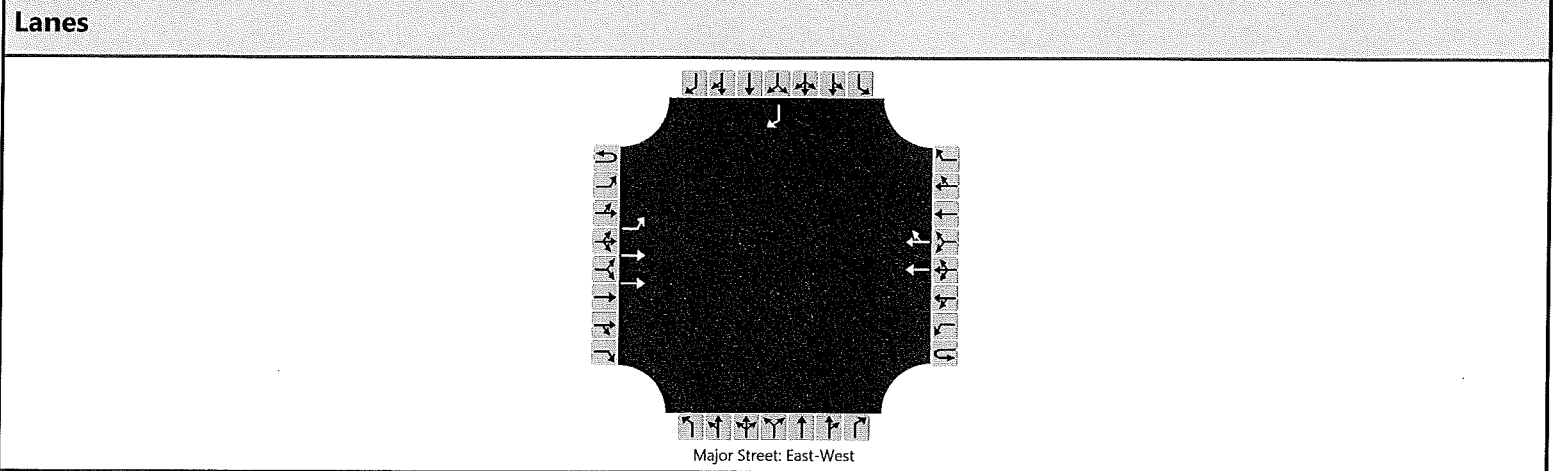
| | | | | | | | | | | | | | | | | | |
|------------------------|-----|------|--|--|--|--|--|--|--|--|--|--|------|--|--|--|------|
| Flow Rate (veh/h) | | 21 | | | | | | | | | | | | | | | 9 |
| Capacity | | 723 | | | | | | | | | | | | | | | 536 |
| v/c Ratio | | 0.03 | | | | | | | | | | | | | | | 0.02 |
| 95% Queue Length | | 0.1 | | | | | | | | | | | | | | | 0.1 |
| Control Delay (s/veh) | | 10.1 | | | | | | | | | | | | | | | 11.8 |
| Level of Service (LOS) | | B | | | | | | | | | | | | | | | B |
| Approach Delay (s/veh) | 0.2 | | | | | | | | | | | | 11.8 | | | | |
| Approach LOS | A | | | | | | | | | | | | B | | | | |

EX_3PMTWSC1.xtw

Average Weighted Delay = 10.6 sec. LOS B

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Gonzales Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Gonzales Road |
| Analysis Year | 2015 | North/South Street | Thurgood Marshall Drive |
| Time Analyzed | A.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|-------|-------|---|-----------|---|-------|-------|------------|---|---|---|------------|----|----|-------|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | | 0 | 0 | 0 | | 0 | 0 | 1 |
| Configuration | | L | T | | | | T | TR | | | | | | | | R |
| Volume (veh/h) | | 75 | 861 | | | | 1127 | 193 | | | | | | | | 68 |
| Percent Heavy Vehicles | | 3 | | | | | | | | | | | | | | 3 |
| Proportion Time Blocked | | 0.000 | 0.000 | | | | 0.000 | 0.000 | | | | | | | | 0.000 |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Left Only | | | | | | | | | | | | | | | |
| Median Storage | 1 | | | | | | | | | | | | | | | |

Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | |
|------------------------|--|------|--|--|--|--|--|--|--|--|--|--|--|--|------|------|
| Flow Rate (veh/h) | | 82 | | | | | | | | | | | | | | 74 |
| Capacity | | 464 | | | | | | | | | | | | | | 367 |
| v/c Ratio | | 0.18 | | | | | | | | | | | | | | 0.20 |
| 95% Queue Length | | 0.6 | | | | | | | | | | | | | | 0.7 |
| Control Delay (s/veh) | | 14.4 | | | | | | | | | | | | | | 17.3 |
| Level of Service (LOS) | | B | | | | | | | | | | | | | | C |
| Approach Delay (s/veh) | | 1.2 | | | | | | | | | | | | | 17.3 | |
| Approach LOS | | A | | | | | | | | | | | | | C | |

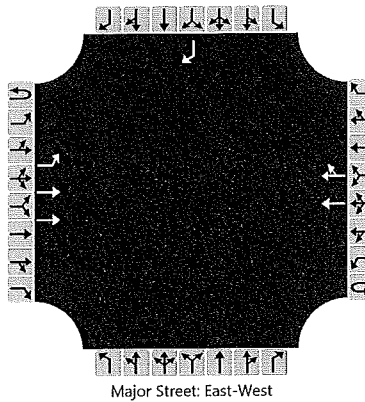
Average Weighted Delay = 15.6 sec.

LOS C

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Gonzales Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Gonzales Road |
| Analysis Year | 2015 | North/South Street | Thurgood Marshall Drive |
| Time Analyzed | P.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|-------|-------|---|-----------|---|-------|-------|------------|---|---|---|------------|----|----|-------|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Priority | | | | | | | | | | | | | | | | |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | | 0 | 0 | 0 | | 0 | 0 | 1 |
| Configuration | | L | T | | | | T | TR | | | | | | | | R |
| Volume (veh/h) | | 23 | 1047 | | | | 825 | 45 | | | | | | | | 12 |
| Percent Heavy Vehicles | | 3 | | | | | | | | | | | | | | 3 |
| Proportion Time Blocked | | 0.000 | 0.000 | | | | 0.000 | 0.000 | | | | | | | | 0.000 |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Left Only | | | | | | | | | | | | | | | |
| Median Storage | 1 | | | | | | | | | | | | | | | |

Delay, Queue Length, and Level of Service

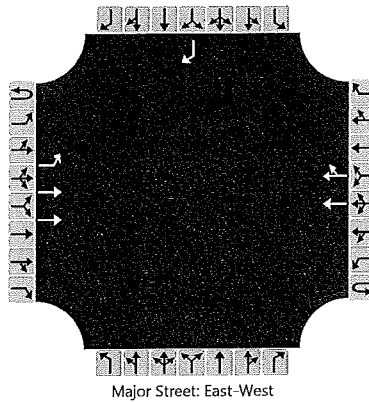
| | | | | | | | | | | | | | | | | |
|------------------------|-----|------|--|--|--|--|--|--|--|--|--|--|------|--|--|------|
| Flow Rate (veh/h) | | 25 | | | | | | | | | | | | | | 13 |
| Capacity | | 715 | | | | | | | | | | | | | | 531 |
| v/c Ratio | | 0.03 | | | | | | | | | | | | | | 0.02 |
| 95% Queue Length | | 0.1 | | | | | | | | | | | | | | 0.1 |
| Control Delay (s/veh) | | 10.2 | | | | | | | | | | | | | | 11.9 |
| Level of Service (LOS) | | B | | | | | | | | | | | | | | B |
| Approach Delay (s/veh) | 0.2 | | | | | | | | | | | | 11.9 | | | |
| Approach LOS | A | | | | | | | | | | | | B | | | |

Average Weighted Delay = 10.8 sec. LOS B

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Gonzales Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Gonzales Road |
| Analysis Year | 2015 | North/South Street | Thurgood Marshall Drive |
| Time Analyzed | A.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|-------|-------|---|-----------|---|-------|-------|------------|---|---|---|------------|----|----|-------|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Priority | | | | | | | | | | | | | | | | |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | | 0 | 0 | 0 | | 0 | 0 | 1 |
| Configuration | | L | T | | | | T | TR | | | | | | | | R |
| Volume (veh/h) | | 60 | 883 | | | | 1150 | 152 | | | | | | | | 55 |
| Percent Heavy Vehicles | | 3 | | | | | | | | | | | | | | 3 |
| Proportion Time Blocked | | 0.000 | 0.000 | | | | 0.000 | 0.000 | | | | | | | | 0.000 |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Left Only | | | | | | | | | | | | | | | |
| Median Storage | 1 | | | | | | | | | | | | | | | |

Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | |
|------------------------|--|------|--|--|--|--|--|--|--|--|--|--|--|--|------|------|
| Flow Rate (veh/h) | | 65 | | | | | | | | | | | | | | 60 |
| Capacity | | 473 | | | | | | | | | | | | | | 373 |
| v/c Ratio | | 0.14 | | | | | | | | | | | | | | 0.16 |
| 95% Queue Length | | 0.5 | | | | | | | | | | | | | | 0.6 |
| Control Delay (s/veh) | | 13.8 | | | | | | | | | | | | | | 16.5 |
| Level of Service (LOS) | | B | | | | | | | | | | | | | | C |
| Approach Delay (s/veh) | | 0.9 | | | | | | | | | | | | | 16.5 | |
| Approach LOS | | A | | | | | | | | | | | | | C | |

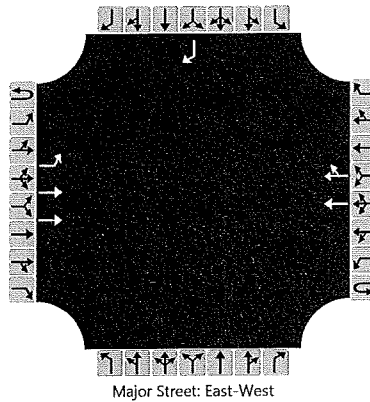
Average Weighted Delay = 15.1 sec.

LOS C

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Gonzales Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Gonzales Road |
| Analysis Year | 2015 | North/South Street | Thurgood Marshall Drive |
| Time Analyzed | A.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|-------|-------|---|-----------|---|-------|-------|------------|---|---|---|------------|----|----|-------|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Priority | | | | | | | | | | | | | | | | |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Configuration | | L | T | | | | T | TR | | | | | | | | R |
| Volume (veh/h) | | 19 | 1075 | | | | 867 | 34 | | | | | | | | 8 |
| Percent Heavy Vehicles | | 3 | | | | | | | | | | | | | | 3 |
| Proportion Time Blocked | | 0.000 | 0.000 | | | | 0.000 | 0.000 | | | | | | | | 0.000 |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Left Only | | | | | | | | | | | | | | | |
| Median Storage | 1 | | | | | | | | | | | | | | | |

Delay, Queue Length, and Level of Service

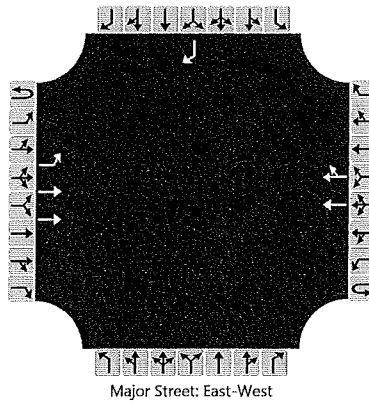
| | | | | | | | | | | | | | | | | | |
|------------------------|-----|------|--|--|--|--|--|--|--|--|--|--|------|--|--|--|------|
| Flow Rate (veh/h) | | 21 | | | | | | | | | | | | | | | 9 |
| Capacity | | 695 | | | | | | | | | | | | | | | 518 |
| v/c Ratio | | 0.03 | | | | | | | | | | | | | | | 0.02 |
| 95% Queue Length | | 0.1 | | | | | | | | | | | | | | | 0.1 |
| Control Delay (s/veh) | | 10.3 | | | | | | | | | | | | | | | 12.1 |
| Level of Service (LOS) | | B | | | | | | | | | | | | | | | B |
| Approach Delay (s/veh) | 0.2 | | | | | | | | | | | | 12.1 | | | | |
| Approach LOS | A | | | | | | | | | | | | B | | | | |

Average Weighted Delay = 10.8 sec. [LOS B]

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Gonzales Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Gonzales Road |
| Analysis Year | 2015 | North/South Street | Thurgood Marshall Drive |
| Time Analyzed | A.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|-------|-------|---|-----------|---|-------|-------|------------|---|---|---|------------|----|----|-------|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Priority | | | | | | | | | | | | | | | | |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | | 0 | 0 | 0 | | 0 | 0 | 1 |
| Configuration | | L | T | | | | T | TR | | | | | | | | R |
| Volume (veh/h) | | 75 | 883 | | | | 1150 | 193 | | | | | | | | 68 |
| Percent Heavy Vehicles | | 3 | | | | | | | | | | | | | | 3 |
| Proportion Time Blocked | | 0.000 | 0.000 | | | | 0.000 | 0.000 | | | | | | | | 0.000 |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Left Only | | | | | | | | | | | | | | | |
| Median Storage | 1 | | | | | | | | | | | | | | | |

Delay, Queue Length, and Level of Service

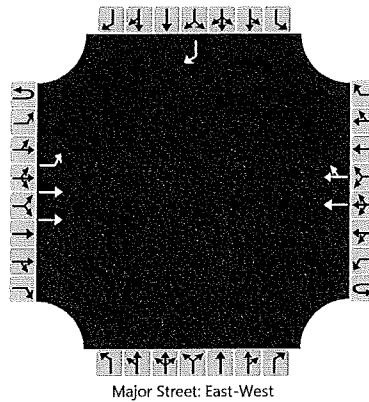
| | | | | | | | | | | | | | | | | |
|------------------------|-----|------|--|--|--|--|--|--|--|--|--|--|------|--|--|------|
| Flow Rate (veh/h) | | 82 | | | | | | | | | | | | | | 74 |
| Capacity | | 454 | | | | | | | | | | | | | | 361 |
| v/c Ratio | | 0.18 | | | | | | | | | | | | | | 0.21 |
| 95% Queue Length | | 0.7 | | | | | | | | | | | | | | 0.8 |
| Control Delay (s/veh) | | 14.7 | | | | | | | | | | | | | | 17.5 |
| Level of Service (LOS) | | B | | | | | | | | | | | | | | C |
| Approach Delay (s/veh) | 1.2 | | | | | | | | | | | | 17.5 | | | |
| Approach LOS | A | | | | | | | | | | | | C | | | |

Average Weighted Delay = 14.0 sec. [LOS C]

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Gonzales Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Gonzales Road |
| Analysis Year | 2015 | North/South Street | Thurgood Marshall Drive |
| Time Analyzed | P.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|-------|-------|---|-----------|---|-------|-------|------------|---|---|---|------------|----|----|-------|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | 7 | 8 | 9 | | 10 | 11 | 12 | |
| Priority | | | | | | | | | | | | | | | | |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 1 |
| Configuration | | L | T | | | | T | TR | | | | | | | | R |
| Volume (veh/h) | | 23 | 1075 | | | | 867 | 45 | | | | | | | | 15 |
| Percent Heavy Vehicles | | 3 | | | | | | | | | | | | | | 3 |
| Proportion Time Blocked | | 0.000 | 0.000 | | | | 0.000 | 0.000 | | | | | | | | 0.000 |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Left Only | | | | | | | | | | | | | | | |
| Median Storage | 1 | | | | | | | | | | | | | | | |

Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | |
|------------------------|-----|------|--|--|--|--|--|--|--|--|--|--|------|--|--|------|
| Flow Rate (veh/h) | | 25 | | | | | | | | | | | | | | 16 |
| Capacity | | 687 | | | | | | | | | | | | | | 514 |
| v/c Ratio | | 0.04 | | | | | | | | | | | | | | 0.03 |
| 95% Queue Length | | 0.1 | | | | | | | | | | | | | | 0.1 |
| Control Delay (s/veh) | | 10.4 | | | | | | | | | | | | | | 12.2 |
| Level of Service (LOS) | | B | | | | | | | | | | | | | | B |
| Approach Delay (s/veh) | 0.2 | | | | | | | | | | | | 12.2 | | | |
| Approach LOS | A | | | | | | | | | | | | B | | | |

Average Weighted Delay = 11.1 sec. [LOS B]

THURGOOD MARSHALL SCHOOL PROJECT (#15098)
 INTERSECTION CAPACITY UTILIZATION WORKSHEET
 COUNT DATE: 12/16/2015
 TIME PERIOD: A.M. PEAK HOUR
 N/S STREET: PATTERSON ROAD
 E/W STREET: GONZALES ROAD
 CONTROL TYPE: SIGNAL

REF: 04 AM

TRAFFIC VOLUME SUMMARY

| VOLUMES | NORTH BOUND | | | SOUTH BOUND | | | EAST BOUND | | | WEST BOUND | | |
|--------------------|-------------|-----|----|-------------|-----|-----|------------|-----|-----|------------|-----|----|
| | L | T | R | L | T | R | L | T | R | L | T | R |
| (A) EXISTING: | 249 | 113 | 32 | 71 | 92 | 171 | 106 | 519 | 235 | 11 | 846 | 58 |
| (B) PROJECT-ADDED: | 20 | 0 | 0 | 54 | 17 | 0 | 0 | 21 | 0 | 0 | 0 | 0 |
| (C) CUMULATIVE: | 266 | 121 | 32 | 171 | 100 | 185 | 110 | 519 | 253 | 11 | 846 | 58 |

GEOMETRICS

| LANE GEOMETRICS | NORTH BOUND | | | SOUTH BOUND | | | EAST BOUND | | | WEST BOUND | | |
|-----------------|-------------|---|---|-------------|---|---|------------|---|---|------------|---|---|
| | L | T | R | L | T | R | L | T | R | L | T | R |

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
 SCENARIO 2 = EXISTING + PROJECT VOLUMES (A+B)
 SCENARIO 3 = CUMULATIVE (C)
 SCENARIO 4 = CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

| MOVE-MENTS | # OF LANES | CAPACITY | SCENARIO VOLUMES | | | | SCENARIO V/C RATIOS | | | |
|---|------------|----------|------------------|-----|-----|-----|---------------------|-------------|-------------|-------------|
| | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| NBL | 1 | 1600 | 249 | 269 | 266 | 286 | 0.156 * | 0.168 * | 0.166 * | 0.179 * |
| NBT | 1 | 1600 | 113 | 113 | 121 | 121 | 0.091 | 0.091 | 0.096 | 0.096 |
| NBR | 0 | 0 | 32 | 32 | 32 | 32 | - | - | - | - |
| SBL | 1 | 1600 | 71 | 125 | 171 | 225 | 0.044 | 0.078 | 0.107 | 0.141 |
| SBT | 1 | 1600 | 92 | 109 | 100 | 117 | 0.058 * | 0.068 * | 0.063 * | 0.073 * |
| SBR | 1 | 1600 | 171 | 171 | 185 | 185 | 0.107 | 0.107 | 0.116 | 0.116 |
| EBL | 1 | 1600 | 106 | 106 | 110 | 110 | 0.066 * | 0.066 * | 0.069 * | 0.069 * |
| EBT | 2 | 3200 | 519 | 540 | 519 | 540 | 0.236 | 0.242 | 0.241 | 0.248 |
| EBR | 0 | 0 | 235 | 235 | 253 | 253 | - | - | - | - |
| WBL | 1 | 1600 | 11 | 11 | 11 | 11 | 0.007 | 0.007 | 0.007 | 0.007 |
| WBT | 2 | 3200 | 846 | 846 | 846 | 846 | 0.264 * | 0.264 * | 0.264 * | 0.264 * |
| WBR | 1 | 1600 | 58 | 58 | 58 | 58 | 0.036 | 0.036 | 0.036 | 0.036 |
| TOTAL INTERSECTION CAPACITY UTILIZATION: | | | | | | | 0.54 | 0.57 | 0.56 | 0.59 |
| SCENARIO LEVEL OF SERVICE: | | | | | | | A | A | A | A |

NOTES:

THURGOOD MARSHALL SCHOOL PROJECT (#15098)
 INTERSECTION CAPACITY UTILIZATION WORKSHEET
 COUNT DATE: 12/16/2015
 TIME PERIOD: P.M. PEAK HOUR
 N/S STREET: PATTERSON ROAD
 E/W STREET: GONZALES ROAD
 CONTROL TYPE: SIGNAL

REF: 04 PM

TRAFFIC VOLUME SUMMARY

| VOLUMES | NORTH BOUND | | | SOUTH BOUND | | | EAST BOUND | | | WEST BOUND | | |
|--------------------|-------------|----|----|-------------|----|-----|------------|-----|-----|------------|-----|----|
| | L | T | R | L | T | R | L | T | R | L | T | R |
| (A) EXISTING: | 125 | 44 | 20 | 49 | 81 | 169 | 159 | 721 | 172 | 12 | 563 | 29 |
| (B) PROJECT-ADDED: | 5 | 0 | 0 | 18 | 6 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| (C) CUMULATIVE: | 161 | 55 | 21 | 49 | 91 | 175 | 174 | 721 | 185 | 12 | 563 | 29 |

GEOMETRICS

| LANE GEOMETRICS | NORTH BOUND | | SOUTH BOUND | | | EAST BOUND | | WEST BOUND | | |
|-----------------|-------------|----|-------------|---|---|------------|----|------------|---|---|
| | L | TR | L | T | R | L | TR | L | T | R |

TRAFFIC SCENARIOS

SCENARIO 1 = EXISTING VOLUMES (A)
 SCENARIO 2 = EXISTING + PROJECT VOLUMES (A+B)
 SCENARIO 3 = CUMULATIVE (C)
 SCENARIO 4 = CUMULATIVE + PROJECT VOLUMES (B+C)

LEVEL OF SERVICE CALCULATIONS

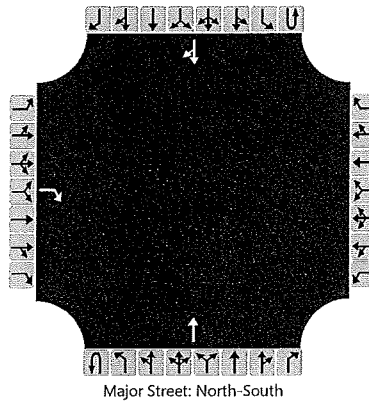
| MOVE- MENTS | # OF LANES | CAPACITY | SCENARIO VOLUMES | | | | SCENARIO V/C RATIOS | | | | | |
|---|---------------|----------|------------------|-----|-----|-----|---------------------|---------|---------|---------|--|--|
| | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | |
| NBL | 1 | 1600 | 125 | 130 | 161 | 166 | 0.078 * | 0.081 * | 0.101 * | 0.104 * | | |
| NBT | 1 | 1600 | 44 | 44 | 55 | 55 | 0.040 | 0.040 | 0.048 | 0.048 | | |
| NBR | 0 | 0 | 20 | 20 | 21 | 21 | - | - | - | - | | |
| SBL | 1 | 1600 | 49 | 67 | 49 | 67 | 0.031 | 0.042 | 0.031 | 0.042 | | |
| SBT | 1 | 1600 | 81 | 87 | 91 | 97 | 0.051 | 0.054 | 0.057 | 0.061 | | |
| SBR | 1 | 1600 | 169 | 169 | 175 | 175 | 0.106 * | 0.106 * | 0.109 * | 0.109 * | | |
| EBL | 1 | 1600 | 159 | 159 | 174 | 174 | 0.099 | 0.099 | 0.109 | 0.109 | | |
| EBT | 2 | 3200 | 721 | 721 | 721 | 721 | 0.279 * | 0.279 * | 0.283 * | 0.283 * | | |
| EBR | 0 | 0 | 172 | 172 | 185 | 185 | - | - | - | - | | |
| WBL | 1 | 1600 | 12 | 12 | 12 | 12 | 0.008 * | 0.008 * | 0.008 * | 0.008 * | | |
| WBT | 2 | 3200 | 563 | 569 | 563 | 569 | 0.176 | 0.178 | 0.176 | 0.178 | | |
| WBR | 1 | 1600 | 29 | 29 | 29 | 29 | 0.018 | 0.018 | 0.018 | 0.018 | | |
| TOTAL INTERSECTION CAPACITY UTILIZATION: | | | | | | | 0.47 | 0.47 | 0.50 | 0.50 | | |
| SCENARIO LEVEL OF SERVICE: | | | | | | | A | A | A | A | | |

NOTES:

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Patterson Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Thurgood Marshall Drive |
| Analysis Year | 2015 | North/South Street | Patterson Road |
| Time Analyzed | A.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | North-South | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | | |
|-------------------------|-----------|----|----|-----|-----------|---|---|---|------------|---|-----|---|------------|---|---|-----|----|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R | |
| Movement | | | | | | | | | | | | | | | | | |
| Priority | | 10 | 11 | 12 | | 7 | 8 | 9 | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | |
| Number of Lanes | | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | |
| Configuration | | | | R | | | | | | | T | | | | | | TR |
| Volume (veh/h) | | | | 253 | | | | | | | 305 | | | | | 186 | 0 |
| Percent Heavy Vehicles | | | | 3 | | | | | | | | | | | | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | | |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | | |
| Median Type | Undivided | | | | | | | | | | | | | | | | |
| Median Storage | | | | | | | | | | | | | | | | | |

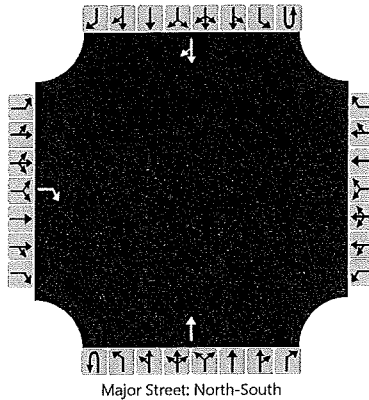
Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | | |
|------------------------|------|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Flow Rate (veh/h) | | | | 275 | | | | | | | | | | | | | |
| Capacity | | | | 798 | | | | | | | | | | | | | |
| v/c Ratio | | | | 0.34 | | | | | | | | | | | | | |
| 95% Queue Length | | | | 1.5 | | | | | | | | | | | | | |
| Control Delay (s/veh) | | | | 11.9 | | | | | | | | | | | | | |
| Level of Service (LOS) | | | | B | | | | | | | | | | | | | |
| Approach Delay (s/veh) | 11.9 | | | | | | | | | | | | | | | | |
| Approach LOS | B | | | | | | | | | | | | | | | | |

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Patterson Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Thurgood Marshall Drive |
| Analysis Year | 2015 | North/South Street | Patterson Road |
| Time Analyzed | A.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | North-South | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|----|----|----|-----------|---|---|---|------------|---|-----|---|------------|---|-----|----|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | | | | | | | | | | | | | | | | |
| Priority | | 10 | 11 | 12 | | 7 | 8 | 9 | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 |
| Number of Lanes | | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| Configuration | | | | R | | | | | | | T | | | | | TR |
| Volume (veh/h) | | | | 52 | | | | | | | 243 | | | | 249 | 0 |
| Percent Heavy Vehicles | | | | 3 | | | | | | | | | | | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Undivided | | | | | | | | | | | | | | | |
| Median Storage | | | | | | | | | | | | | | | | |

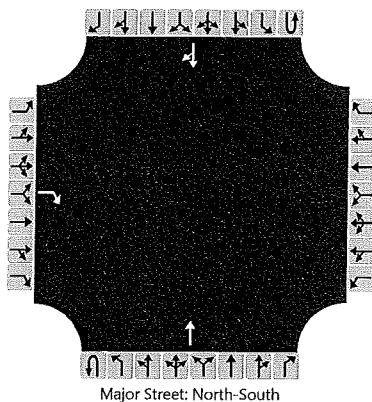
Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | |
|------------------------|------|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|
| Flow Rate (veh/h) | | | | 57 | | | | | | | | | | | | |
| Capacity | | | | 755 | | | | | | | | | | | | |
| v/c Ratio | | | | 0.08 | | | | | | | | | | | | |
| 95% Queue Length | | | | 0.2 | | | | | | | | | | | | |
| Control Delay (s/veh) | | | | 10.2 | | | | | | | | | | | | |
| Level of Service (LOS) | | | | B | | | | | | | | | | | | |
| Approach Delay (s/veh) | 10.2 | | | | | | | | | | | | | | | |
| Approach LOS | B | | | | | | | | | | | | | | | |

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Patterson Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Thurgood Marshall Drive |
| Analysis Year | 2015 | North/South Street | Patterson Road |
| Time Analyzed | A.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | North-South | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | | |
|-------------------------|-----------|----|----|-----|-----------|---|---|---|------------|---|-----|---|------------|---|---|---|---------|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R | |
| Movement | | | | | | | | | | | | | | | | | |
| Priority | | 10 | 11 | 12 | | 7 | 8 | 9 | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | |
| Number of Lanes | | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | |
| Configuration | | | | R | | | | | | | T | | | | | | TR |
| Volume (veh/h) | | | | 324 | | | | | | | 343 | | | | | | 186 219 |
| Percent Heavy Vehicles | | | | 3 | | | | | | | | | | | | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | | |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | | |
| Median Type | Undivided | | | | | | | | | | | | | | | | |
| Median Storage | | | | | | | | | | | | | | | | | |

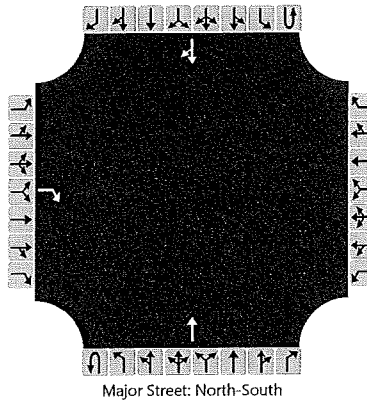
Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | | |
|------------------------|------|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Flow Rate (veh/h) | | | | 352 | | | | | | | | | | | | | |
| Capacity | | | | 669 | | | | | | | | | | | | | |
| v/c Ratio | | | | 0.53 | | | | | | | | | | | | | |
| 95% Queue Length | | | | 3.1 | | | | | | | | | | | | | |
| Control Delay (s/veh) | | | | 16.2 | | | | | | | | | | | | | |
| Level of Service (LOS) | | | | C | | | | | | | | | | | | | |
| Approach Delay (s/veh) | 16.2 | | | | | | | | | | | | | | | | |
| Approach LOS | C | | | | | | | | | | | | | | | | |

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Patterson Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Thurgood Marshall Drive |
| Analysis Year | 2015 | North/South Street | Patterson Road |
| Time Analyzed | P.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | North-South | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|----|----|----|-----------|---|---|---|------------|---|-----|---|------------|---|-----|----|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | | | | | | | | | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 |
| Priority | | 10 | 11 | 12 | | 7 | 8 | 9 | | | | | | | | |
| Number of Lanes | | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| Configuration | | | | R | | | | | | | T | | | | | TR |
| Volume (veh/h) | | | | 76 | | | | | | | 256 | | | | 249 | 82 |
| Percent Heavy Vehicles | | | | 3 | | | | | | | | | | | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Undivided | | | | | | | | | | | | | | | |
| Median Storage | | | | | | | | | | | | | | | | |

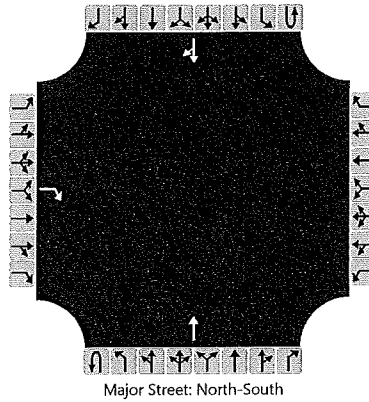
Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | |
|------------------------|------|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|
| Flow Rate (veh/h) | | | | 83 | | | | | | | | | | | | |
| Capacity | | | | 712 | | | | | | | | | | | | |
| v/c Ratio | | | | 0.12 | | | | | | | | | | | | |
| 95% Queue Length | | | | 0.4 | | | | | | | | | | | | |
| Control Delay (s/veh) | | | | 10.7 | | | | | | | | | | | | |
| Level of Service (LOS) | | | | B | | | | | | | | | | | | |
| Approach Delay (s/veh) | 10.7 | | | | | | | | | | | | | | | |
| Approach LOS | B | | | | | | | | | | | | | | | |

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Patterson Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Thurgood Marshall Drive |
| Analysis Year | 2015 | North/South Street | Patterson Road |
| Time Analyzed | A.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | North-South | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | | |
|-------------------------|-----------|----|----|-----|-----------|---|---|---|------------|---|-----|---|------------|---|---|-----|-----|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R | |
| Movement | | | | | | | | | | | | | | | | | |
| Priority | | 10 | 11 | 12 | | 7 | 8 | 9 | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | |
| Number of Lanes | | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | |
| Configuration | | | | R | | | | | | | T | | | | | | TR |
| Volume (veh/h) | | | | 253 | | | | | | | 317 | | | | | 208 | 173 |
| Percent Heavy Vehicles | | | | 3 | | | | | | | | | | | | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | | |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | | |
| Median Type | Undivided | | | | | | | | | | | | | | | | |
| Median Storage | | | | | | | | | | | | | | | | | |

Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | | |
|------------------------|------|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Flow Rate (veh/h) | | | | 275 | | | | | | | | | | | | | |
| Capacity | | | | 670 | | | | | | | | | | | | | |
| v/c Ratio | | | | 0.41 | | | | | | | | | | | | | |
| 95% Queue Length | | | | 2.0 | | | | | | | | | | | | | |
| Control Delay (s/veh) | | | | 14.1 | | | | | | | | | | | | | |
| Level of Service (LOS) | | | | B | | | | | | | | | | | | | |
| Approach Delay (s/veh) | 14.1 | | | | | | | | | | | | | | | | |
| Approach LOS | B | | | | | | | | | | | | | | | | |

HCS 2010 Two-Way Stop Control Summary Report

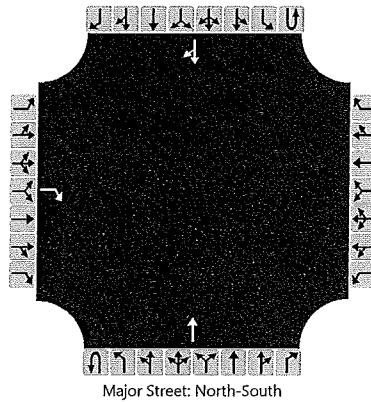
General Information

| | |
|--------------------------|--------------------------|
| Analyst | Darryl F. Nelson |
| Agency/Co. | ATE |
| Date Performed | 12/15/2015 |
| Analysis Year | 2015 |
| Time Analyzed | P.M. Peak Hour |
| Intersection Orientation | North-South |
| Project Description | Thurgood Marshall School |

Site Information

| | |
|----------------------------|-------------------------|
| Intersection | Patterson Road/TM Drive |
| Jurisdiction | City of Oxnard |
| East/West Street | Thurgood Marshall Drive |
| North/South Street | Patterson Road |
| Peak Hour Factor | 0.92 |
| Analysis Time Period (hrs) | 0.25 |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | |
|-------------------------|-----------|----|----|----|-----------|---|---|---|------------|---|-----|---|------------|---|---|--------|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R |
| Movement | | | | | | | | | | | | | | | | |
| Priority | | 10 | 11 | 12 | | 7 | 8 | 9 | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 |
| Number of Lanes | | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| Configuration | | | | R | | | | | | | T | | | | | TR |
| Volume (veh/h) | | | | 52 | | | | | | | 269 | | | | | 265 70 |
| Percent Heavy Vehicles | | | | 3 | | | | | | | | | | | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | |
| Median Type | Undivided | | | | | | | | | | | | | | | |
| Median Storage | | | | | | | | | | | | | | | | |

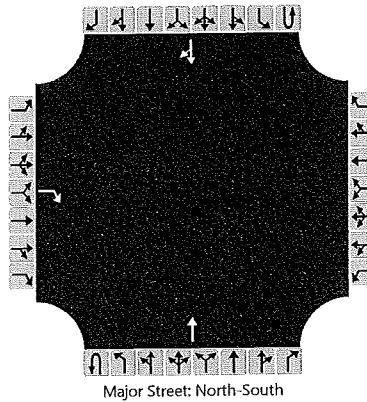
Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | |
|------------------------|------|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|
| Flow Rate (veh/h) | | | | 57 | | | | | | | | | | | | |
| Capacity | | | | 657 | | | | | | | | | | | | |
| v/c Ratio | | | | 0.09 | | | | | | | | | | | | |
| 95% Queue Length | | | | 0.3 | | | | | | | | | | | | |
| Control Delay (s/veh) | | | | 11.0 | | | | | | | | | | | | |
| Level of Service (LOS) | | | | B | | | | | | | | | | | | |
| Approach Delay (s/veh) | 11.0 | | | | | | | | | | | | | | | |
| Approach LOS | B | | | | | | | | | | | | | | | |

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Patterson Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Thurgood Marshall Drive |
| Analysis Year | 2015 | North/South Street | Patterson Road |
| Time Analyzed | A.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | North-South | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | | |
|-------------------------|-----------|----|----|-----|-----------|---|---|---|------------|---|-----|---|------------|---|---|-----|-----|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R | |
| Movement | | | | | | | | | | | | | | | | | |
| Priority | | 10 | 11 | 12 | | 7 | 8 | 9 | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | |
| Number of Lanes | | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | |
| Configuration | | | | R | | | | | | | T | | | | | | TR |
| Volume (veh/h) | | | | 324 | | | | | | | 355 | | | | | 208 | 219 |
| Percent Heavy Vehicles | | | | 3 | | | | | | | | | | | | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | | |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | | |
| Median Type | Undivided | | | | | | | | | | | | | | | | |
| Median Storage | | | | | | | | | | | | | | | | | |

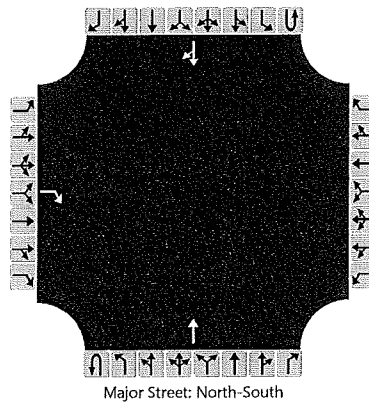
Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | | |
|------------------------|------|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Flow Rate (veh/h) | | | | 352 | | | | | | | | | | | | | |
| Capacity | | | | 645 | | | | | | | | | | | | | |
| v/c Ratio | | | | 0.55 | | | | | | | | | | | | | |
| 95% Queue Length | | | | 3.3 | | | | | | | | | | | | | |
| Control Delay (s/veh) | | | | 17.1 | | | | | | | | | | | | | |
| Level of Service (LOS) | | | | C | | | | | | | | | | | | | |
| Approach Delay (s/veh) | 17.1 | | | | | | | | | | | | | | | | |
| Approach LOS | C | | | | | | | | | | | | | | | | |

HCS 2010 Two-Way Stop Control Summary Report

| General Information | | Site Information | |
|--------------------------|--------------------------|----------------------------|-------------------------|
| Analyst | Darryl F. Nelson | Intersection | Patterson Road/TM Drive |
| Agency/Co. | ATE | Jurisdiction | City of Oxnard |
| Date Performed | 12/15/2015 | East/West Street | Thurgood Marshall Drive |
| Analysis Year | 2015 | North/South Street | Patterson Road |
| Time Analyzed | P.M. Peak Hour | Peak Hour Factor | 0.92 |
| Intersection Orientation | North-South | Analysis Time Period (hrs) | 0.25 |
| Project Description | Thurgood Marshall School | | |

Lanes



Vehicle Volumes and Adjustments

| Approach | Eastbound | | | | Westbound | | | | Northbound | | | | Southbound | | | | |
|-------------------------|-----------|----|----|----|-----------|---|---|---|------------|---|-----|---|------------|---|---|-----|----|
| | U | L | T | R | U | L | T | R | U | L | T | R | U | L | T | R | |
| Movement | | | | | | | | | | | | | | | | | |
| Priority | | 10 | 11 | 12 | | 7 | 8 | 9 | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | |
| Number of Lanes | | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | |
| Configuration | | | | R | | | | | | | T | | | | | | TR |
| Volume (veh/h) | | | | 76 | | | | | | | 282 | | | | | 265 | 82 |
| Percent Heavy Vehicles | | | | 3 | | | | | | | | | | | | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | | |
| Right Turn Channelized | No | | | | No | | | | No | | | | No | | | | |
| Median Type | Undivided | | | | | | | | | | | | | | | | |
| Median Storage | | | | | | | | | | | | | | | | | |

Delay, Queue Length, and Level of Service

| | | | | | | | | | | | | | | | | | |
|------------------------|------|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Flow Rate (veh/h) | | | | 83 | | | | | | | | | | | | | |
| Capacity | | | | 651 | | | | | | | | | | | | | |
| v/c Ratio | | | | 0.13 | | | | | | | | | | | | | |
| 95% Queue Length | | | | 0.4 | | | | | | | | | | | | | |
| Control Delay (s/veh) | | | | 11.3 | | | | | | | | | | | | | |
| Level of Service (LOS) | | | | B | | | | | | | | | | | | | |
| Approach Delay (s/veh) | 11.3 | | | | | | | | | | | | | | | | |
| Approach LOS | B | | | | | | | | | | | | | | | | |

CALTRANS COLLISION DATA



ASSOCIATED TRANSPORTATION ENGINEERS

100 N. Hope Avenue, Suite 4, Santa Barbara, CA 93110 • (805) 687-4418 • (805) 682-8509-F

ACCIDENT RATE CALCULATION SHEET - FOR INTERSECTIONS

Project: Thurgood Marshall School **File Name:** Accident Rate Wkst.exl
Project #: 015098
Analyst: DFN
Date: 2/17/2016

N/S Street: Merion Way
E/W Street: Gonzales Road

Weekday:
PM Peak Hour Entering Volume: 1913
Peak Hour Factor: 10
-----OR-----
Total Approach ADT: N/A

Weekend:
PM Peak Hour Entering Volume OR ADT: 100% (as a percentage of Weekday PM Peak Hour Entering Volume OR ADT)

Period Analyzed (years): 5

Number of Accidents: 6

Million Entering Vehicle Miles: 34.91 million entering vehicle miles (mevm)

Accident Rate: .17 accidents per million entering vehicle miles (mevm)

Intersection Rate Group:
California State Average Collision Rate: 0.43

Primary Rd GONZALES RD Distance (ft) 70 Direction W Secondary Rd CAMPUS RD Beat 564 NCIC 5604 State Hwy? N Route 4957 Postmile Prefix 20101216 Time 0808 Side of Hwy
 City OXNARD County VENTURA Population 6 Rpt Dist Violation 22350 Collision Type REAR END Type Severity INJURY # Killed 0 # Injured 1 Tow Away? N Process Date 20111213
 Primary Collision Factor UNSAFE SPEED Weather? CLOUDY Motor Veh Involved With OTHER MV Lighting DAYLIGHT Rwy Cond1 NO UNUSL CND Rwy Cond2 Ped Action
 Hit and Run Motor Veh Involved With OTHER MV Lighting DAYLIGHT Rwy Cond1 NO UNUSL CND Rwy Cond2 Ped Action

PARTY INFO

| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move | Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | OAF1 Viol | OAF2 Safety Equip | Role | Ext of Inj | Age | Sex | Seat Pos | Safety Equip | Ejected | | |
|------------|------|-----|------|-----------|-----------|---------|----------|-----|-----|-------|-------|------|------|------|---------|-----------|-------------------|------|------------|-----|-----|----------|--------------|---------|---|---|
| 1F | DRVR | 55 | M | A | HNBD | PROC | ST | E | - | -00 | MERCE | 2000 | - | 3 | N | - | M | G | | | | | | | | |
| 2 | DRVR | 36 | F | H | HNBD | STOPPED | E | - | -00 | TOYOT | 2007 | - | 3 | N | - | M | G | DRVR | COMP | PN | 36 | F | 1 | M | G | 0 |

Primary Rd GONZALES RD Distance (ft) 10 Direction E Secondary Rd CAMPUS DR Beat 011 NCIC 5604 State Hwy? N Route 5018 Postmile Prefix 20111214 Time 1515 Side of Hwy
 City OXNARD County VENTURA Population 6 Rpt Dist Violation 22350 Collision Type REAR END Type Severity PDO # Killed 0 # Injured 0 Tow Away? Y Process Date 20130613
 Primary Collision Factor UNSAFE SPEED Weather? CLEAR Motor Veh Involved With OTHER MV Lighting DAYLIGHT Rwy Cond1 NO UNUSL CND Rwy Cond2 Ped Action
 Hit and Run MSDMNR Motor Veh Involved With OTHER MV Lighting DAYLIGHT Rwy Cond1 NO UNUSL CND Rwy Cond2 Ped Action

PARTY INFO

| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move | Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | OAF1 Viol | OAF2 Safety Equip | Role | Ext of Inj | Age | Sex | Seat Pos | Safety Equip | Ejected | | |
|------------|------|-----|------|-----------|-----------|---------|----------|-----|-----|------|-------|------|------|------|---------|-----------|-------------------|------|------------|-----|-----|----------|--------------|---------|---|---|
| 1F | DRVR | 16 | M | H | HNBD | PROC | ST | E | - | -00 | HONDA | 1991 | - | 3 | N | - | M | G | PASS | | 18 | F | 3 | M | G | 0 |
| 2 | DRVR | 44 | F | A | HNBD | STOPPED | E | - | -00 | CHRY | 2000 | - | 3 | N | - | M | G | PASS | | 16 | F | 3 | M | G | 0 | |
| | | | | | | | | | | | | | | | | | | PASS | | 17 | M | 5 | M | G | 0 | |

VICTIM INFO

| Role | Ext of Inj | Age | Sex | Seat Pos | Safety Equip | Ejected | | |
|------|------------|-----|-----|----------|--------------|---------|---|---|
| DRVR | COMP | PN | 36 | F | 1 | M | G | 0 |
| PASS | | | 18 | F | 3 | M | G | 0 |
| PASS | | | 16 | F | 3 | M | G | 0 |
| PASS | | | 17 | M | 5 | M | G | 0 |



ASSOCIATED TRANSPORTATION ENGINEERS

100 N. Hope Avenue, Suite 4, Santa Barbara, CA 93110 • (805) 687-4418 • (805) 682-8509-F

ACCIDENT RATE CALCULATION SHEET - FOR INTERSECTIONS

Project: Thurgood Marshall School
Project #: 015098
Analyst: DFN
Date: 2/17/2016

File Name: Accident Rate Wkst.exl

N/S Street: Campus Road
E/W Street: Gonzales Road

Weekday:

PM Peak Hour Entering Volume: 2033
Peak Hour Factor: 10

-----OR-----

Total Approach ADT: N/A

Weekend:

PM Peak Hour Entering Volume OR ADT: 100% (as a percentage of Weekday PM Peak Hour Entering Volume OR ADT)

Period Analyzed (years): 5

Number of Accidents: 2

Million Entering Vehicle Miles: 37.1 million entering vehicle miles (mevm)

Accident Rate: .05 accidents per million entering vehicle miles (mevm)

Intersection Rate Group:

California State Average Collision Rate: 0.43



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ACCIDENT RATE CALCULATION SHEET - FOR INTERSECTIONS

Project: Thurgood Marshall School
Project #: 015098
Analyst: DFN
Date: 2/17/2016

File Name: Accident Rate Wkst.exl

N/S Street: Thurgood Marshall Drive
E/W Street: Gonzales Road

Weekday:

PM Peak Hour Entering Volume: 1933

Peak Hour Factor: 10

-----OR-----

Total Approach ADT: N/A

Weekend:

PM Peak Hour Entering Volume OR ADT: 100% (as a percentage of Weekday PM Peak Hour Entering Volume OR ADT)

Period Analyzed (years): 5

Number of Accidents: 4

Million Entering Vehicle Miles: 35.28 million entering vehicle miles (mevm)

Accident Rate: .11 accidents per million entering vehicle miles (mevm)

Intersection Rate Group:

California State Average Collision Rate: 0.14

#151346(d) 2010 - AV. 2015 COLLISIONS ON GONZALES ROAD AND PATTERSON ROAD, IN THE CITY OF OXNARD, VENTURA COUNTY

| Primary Rd | GONZALES RD | Distance (ft) | 1 | Direction | Secondary Rd | PATTERSON RD | NCIC 5604 | State Hwy? | N | Route | Postmile Prefix | Postmile | Side of Hwy | | | | | | | |
|--------------------------|--------------|--------------------|----------|------------|--------------|----------------|------------|---------------|--------|------------|-----------------|----------------|-------------|-----------|---------|--------------|-------------------|----------|---------|--|
| City | OXNARD | County | VENTURA | Population | 6 | Rpt Dist | Beat 011 | CalTrans Dist | | Badge | 4249 | Collision Date | 20100112 | Time | 1530 | Day | TUE | | | |
| Primary Collision Factor | R-O-W AUTO | Weather? | Weather? | Violation | 21801A | Collision Type | BROADSIDE | Severity | INJURY | # Killed | 0 | # Injured | 1 | Tow Away? | N | Process Date | 20101028 | | | |
| Weather?1 | CLEAR | Motor Veh Involved | With | Other MV | Lighting | DAYLIGHT | Rdwy Cond1 | NO UNUSL | CND | Ped Action | | Rdwy Cond2 | | Loc Type | | Spec Cond | 0 | | | |
| Hit and Run | | | | | | | | | | | | | | | | | | Ramp/Int | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move | Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | OAF1 Viol | OAF2 Safety Equip | Equip | Ejected | |
| 1F | DRVR | 24 | F | H | HNBD | | LFT | TURN | S | - | - | 00 | FORD | 2006 | - | 3 | N | M | G | |
| 2 | DRVR | 21 | M | H | HNBD | | PROC | ST | N | - | - | 00 | GMC | 2007 | - | 3 | N | M | G | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | |
| Primary Rd | PATTERSON RD | Distance (ft) | 10 | Direction | Secondary Rd | GONZALES RD | NCIC 5604 | State Hwy? | N | Route | Postmile Prefix | Postmile | Side of Hwy | | | | | | | |
| City | OXNARD | County | VENTURA | Population | 6 | Rpt Dist | Beat 011 | CalTrans Dist | | Badge | 5189 | Collision Date | 20100209 | Time | 1501 | Day | TUE | | | |
| Primary Collision Factor | R-O-W AUTO | Weather? | Weather? | Violation | 21801A | Collision Type | BROADSIDE | Severity | PDO | # Killed | 0 | # Injured | 0 | Tow Away? | N | Process Date | 20101123 | | | |
| Weather?1 | CLOUDY | Motor Veh Involved | With | Other MV | Lighting | DAYLIGHT | Rdwy Cond1 | NO UNUSL | CND | Ped Action | | Rdwy Cond2 | | Loc Type | | Spec Cond | 0 | | | |
| Hit and Run | | | | | | | | | | | | | | | | | | Ramp/Int | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move | Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | OAF1 Viol | OAF2 Safety Equip | Equip | Ejected | |
| 1F | DRVR | 19 | F | H | HNBD | | LFT | TURN | S | - | - | 00 | JEEP | 1996 | - | 3 | N | M | G | |
| 2 | DRVR | 22 | F | W | HNBD | | PROC | ST | N | - | - | 00 | DODGE | 2001 | - | 3 | N | M | G | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | |
| Primary Rd | GONZALES RD | Distance (ft) | 0 | Direction | Secondary Rd | PATTERSON RD | NCIC 5604 | State Hwy? | N | Route | Postmile Prefix | Postmile | Side of Hwy | | | | | | | |
| City | OXNARD | County | VENTURA | Population | 6 | Rpt Dist | Beat 011 | CalTrans Dist | | Badge | 4591 | Collision Date | 20100420 | Time | 2305 | Day | TUE | | | |
| Primary Collision Factor | DRVR ALCDIRG | Weather? | Weather? | Violation | 23152A | Collision Type | SIDESWIPE | Severity | INJURY | # Killed | 0 | # Injured | 4 | Tow Away? | Y | Process Date | 20110413 | | | |
| Weather?1 | CLEAR | Motor Veh Involved | With | Other MV | Lighting | DARK - ST LTS | Rdwy Cond1 | NO UNUSL | CND | Ped Action | | Rdwy Cond2 | | Loc Type | | Spec Cond | 0 | | | |
| Hit and Run | | | | | | | | | | | | | | | | | | Ramp/Int | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move | Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | OAF1 Viol | OAF2 Safety Equip | Equip | Ejected | |
| 1F | DRVR | 23 | M | H | HBD-UI | | PROC | ST | W | - | - | 00 | CHEVR | 2001 | - | 3 | A | L | B | |
| 2 | DRVR | 21 | F | W | HNBD | | PROC | ST | N | - | - | 00 | NISSA | 2005 | - | 3 | N | M | G | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | |
| Primary Rd | GONZALES RD | Distance (ft) | 250 | Direction | Secondary Rd | PATTERSON RD | NCIC 5604 | State Hwy? | N | Route | Postmile Prefix | Postmile | Side of Hwy | | | | | | | |
| City | OXNARD | County | VENTURA | Population | 6 | Rpt Dist | Beat 011 | CalTrans Dist | | Badge | 5275 | Collision Date | 20100827 | Time | 0857 | Day | FRI | | | |
| Primary Collision Factor | UNSAFE SPEED | Weather? | Weather? | Violation | 22350 | Collision Type | REAR END | Severity | INJURY | # Killed | 0 | # Injured | 2 | Tow Away? | Y | Process Date | 20110816 | | | |
| Weather?1 | CLEAR | Motor Veh Involved | With | Other MV | Lighting | DAYLIGHT | Rdwy Cond1 | NO UNUSL | CND | Ped Action | | Rdwy Cond2 | | Loc Type | | Spec Cond | 0 | | | |
| Hit and Run | | | | | | | | | | | | | | | | | | Ramp/Int | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move | Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | OAF1 Viol | OAF2 Safety Equip | Equip | Ejected | |
| 1F | DRVR | 48 | F | W | HNBD | | PROC | ST | W | A | 0100 | FORD | 2001 | - | 3 | A | L | G | | |
| 2 | DRVR | 21 | F | W | HNBD | | PROC | ST | N | D | 2200 | NISSA | 2005 | - | 3 | N | M | G | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | |
| Primary Rd | GONZALES RD | Distance (ft) | 250 | Direction | Secondary Rd | PATTERSON RD | NCIC 5604 | State Hwy? | N | Route | Postmile Prefix | Postmile | Side of Hwy | | | | | | | |
| City | OXNARD | County | VENTURA | Population | 6 | Rpt Dist | Beat 011 | CalTrans Dist | | Badge | 4750 | Collision Date | 20100901 | Time | 1500 | Day | WED | | | |
| Primary Collision Factor | UNSAFE SPEED | Weather? | Weather? | Violation | 22350 | Collision Type | REAR END | Severity | INJURY | # Killed | 0 | # Injured | 1 | Tow Away? | Y | Process Date | 20111028 | | | |
| Weather?1 | CLEAR | Motor Veh Involved | With | Other MV | Lighting | DAYLIGHT | Rdwy Cond1 | NO UNUSL | CND | Ped Action | | Rdwy Cond2 | | Loc Type | | Spec Cond | 0 | | | |
| Hit and Run | | | | | | | | | | | | | | | | | | Ramp/Int | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move | Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | OAF1 Viol | OAF2 Safety Equip | Equip | Ejected | |
| 1F | DRVR | 20 | M | H | HNBD | | PROC | ST | E | - | - | 00 | NISSA | 1988 | - | 3 | N | M | G | |
| 2 | DRVR | 40 | F | H | HNBD | | STOPPED | | E | - | - | 00 | NISSA | 2002 | - | 3 | N | M | G | |

#151346(d) 2010 - AV. 2015 COLLISIONS ON GONZALES ROAD AND PATTERSON ROAD, IN THE
 CITY OF OXNARD, VENTURA COUNTY

| Primary Rd | Distance (ft) | Direction | Secondary Rd | Year | Sp Info | Year | Sp Info | OAF1 Viol | OAF2 Safety Equip | Role | Ext of Inj | Age | Sex | Seat Pos | Safety Equip | Ejected | Side of Hwy | | | | | | | |
|--------------------------|---------------|-------------------------|--------------|-----------|-----------|---------------|--------------|------------|-------------------|----------|-------------|-----------|----------------|-----------|--------------|-------------------|-------------|------------|-----|-----|----------|--------------|---------|--|
| GONZALES RD | 6 | W | PATTERSON RD | 2010 | 011 | 2010 | 011 | N | M G | DRVR | COMP | PN | 20 | F | 1 | M G | 0 | | | | | | | |
| City | OXNARD | | Beat | 011 | Type | NCIC | 5604 | State Hwy? | N | Route | Badge | 5118 | Collision Date | 20130118 | Postmile | Time | 1239 | Day | FRI | | | | | |
| Primary Collision Factor | R-O-W AUTO | Violation | 21801A | BROADSIDE | Severity | INJURY | | | | # Killed | 0 | # Injured | 3 | Tow Away? | Y | Process Date | 20140127 | | | | | | | |
| Weather/1 | CLEAR | Rdwy Surface | DRY | Lighting | DAYLIGHT | Rdwy Cond1 | NO UNUSL CND | Ped Action | | | | | | | | Spec Cond | 0 | Ramp/Int | | | | | | |
| Hit and Run | | Motor Veh Involved With | OTHER MV | | | | | | | Crnl Dev | FUNCTNG | | | Loc Type | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | OAF1 Viol | OAF2 Safety Equip | Role | Ext of Inj | Age | Sex | Seat Pos | Safety Equip | Ejected | |
| 1F | DRVR | 20 | F | H | HNBD | LFT | TURN | S | - | - | 00 | HONDA | 1997 | - | 3 | N | M G | | | | | | | |
| 2 | DRVR | 51 | M | H | HNBD | PROC | ST | E | - | - | 00 | MITSU | 2000 | - | 3 | N | M G | | | | | | | |
| 3 | DRVR | 39 | F | A | HNBD | LFT | TURN | N | - | - | 00 | DODGE | 2004 | - | 3 | N | M G | | | | | | | |
| GONZALES RD | 6 | W | PATTERSON RD | 2010 | 011 | 2010 | 011 | N | M G | DRVR | COMP | PN | 20 | F | 1 | M G | 0 | | | | | | | |
| City | OXNARD | | Beat | 011 | Type | NCIC | 5604 | State Hwy? | N | Route | Badge | 5118 | Collision Date | 20130124 | Postmile | Time | 0802 | Day | THU | | | | | |
| Primary Collision Factor | R-O-W AUTO | Violation | 21801A | BROADSIDE | Severity | INJURY | | | | # Killed | 0 | # Injured | 4 | Tow Away? | Y | Process Date | 20140121 | | | | | | | |
| Weather/1 | RAINING | Rdwy Surface | WET | Lighting | DAYLIGHT | Rdwy Cond1 | NO UNUSL CND | Ped Action | | | | | | | | Spec Cond | 0 | Ramp/Int | | | | | | |
| Hit and Run | | Motor Veh Involved With | OTHER MV | | | | | | | Crnl Dev | FUNCTNG | | | Loc Type | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | OAF1 Viol | OAF2 Safety Equip | Role | Ext of Inj | Age | Sex | Seat Pos | Safety Equip | Ejected | |
| 1F | DRVR | 36 | M | W | HNBD | LFT | TURN | S | - | - | 00 | GMC | 2003 | - | 3 | N | M G | | | | | | | |
| 2 | DRVR | 19 | M | H | HNBD | PROC | ST | E | - | - | 00 | LEXUS | 1993 | - | 3 | N | M G | | | | | | | |
| 3 | DRVR | 47 | M | H | HNBD | STOPPED | W | - | - | - | 00 | FORD | 2002 | - | 3 | N | M G | | | | | | | |
| 4 | DRVR | 57 | F | H | HNBD | STOPPED | W | - | - | - | 00 | HONDA | 1998 | - | 3 | N | M G | | | | | | | |
| GONZALES RD | 35 | E | PATTERSON RD | 2010 | 011 | 2010 | 011 | N | M G | DRVR | COMP | PN | 19 | M | 1 | M G | 0 | | | | | | | |
| City | OXNARD | | Beat | 011 | Type | NCIC | 5604 | State Hwy? | N | Route | Badge | 5317 | Collision Date | 20130524 | Postmile | Time | 1531 | Day | FRI | | | | | |
| Primary Collision Factor | UNSAFE SPEED | Violation | 22350 | SIDESWIPE | Severity | INJURY | | | | # Killed | 0 | # Injured | 1 | Tow Away? | Y | Process Date | 20140226 | | | | | | | |
| Weather/1 | CLEAR | Rdwy Surface | DRY | Lighting | DAYLIGHT | Rdwy Cond1 | NO UNUSL CND | Ped Action | | | | | | | | Spec Cond | 0 | Ramp/Int | | | | | | |
| Hit and Run | | Motor Veh Involved With | OTHER MV | | | | | | | Crnl Dev | FUNCTNG | | | Loc Type | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | OAF1 Viol | OAF2 Safety Equip | Role | Ext of Inj | Age | Sex | Seat Pos | Safety Equip | Ejected | |
| 1F | DRVR | 37 | M | H | HNBD | CHANG | LN | W | - | - | 00 | NISSA | 1997 | - | 3 | N | M G | | | | | | | |
| 2 | DRVR | 20 | M | H | HNBD | PROC | ST | W | - | - | 00 | LINCO | 2006 | - | 3 | N | M G | | | | | | | |
| 3 | DRVR | 58 | M | W | HNBD | PROC | ST | W | - | - | 00 | BMW | 2011 | - | 3 | N | M G | | | | | | | |
| GONZALES RD | 45 | W | PATTERSON RD | 2010 | 011 | 2010 | 011 | N | M G | DRVR | COMP | PN | 54 | M | 1 | M G | 0 | | | | | | | |
| City | OXNARD | | Beat | 011 | Type | NCIC | 5604 | State Hwy? | N | Route | Badge | 5005 | Collision Date | 20130723 | Postmile | Time | 1655 | Day | TUE | | | | | |
| Primary Collision Factor | R-O-W AUTO | Violation | 21801A | BROADSIDE | Severity | INJURY | | | | # Killed | 0 | # Injured | 4 | Tow Away? | Y | Process Date | 20140312 | | | | | | | |
| Weather/1 | CLEAR | Rdwy Surface | DRY | Lighting | DAYLIGHT | Rdwy Cond1 | NO UNUSL CND | Ped Action | | | | | | | | Spec Cond | 0 | Ramp/Int | | | | | | |
| Hit and Run | | Motor Veh Involved With | OTHER MV | | | | | | | Crnl Dev | FUNCTNG | | | Loc Type | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | OAF1 Viol | OAF2 Safety Equip | Role | Ext of Inj | Age | Sex | Seat Pos | Safety Equip | Ejected | |
| 1F | DRVR | 45 | F | W | HNBD | LFT | TURN | N | - | - | 00 | BMW | 2000 | - | 3 | N | L G | | | | | | | |
| 2 | DRVR | 41 | M | W | HNBD | PROC | ST | W | - | - | 00 | FORD | 2001 | - | 3 | N | M G | | | | | | | |
| GONZALES RD | 45 | W | PATTERSON RD | 2010 | 011 | 2010 | 011 | N | M G | DRVR | COMP | PN | 45 | F | 1 | M G | 0 | | | | | | | |
| City | OXNARD | | Beat | 011 | Type | NCIC | 9765 | State Hwy? | N | Route | Badge | 013943 | Collision Date | 20130828 | Postmile | Time | 0810 | Day | WED | | | | | |
| Primary Collision Factor | NOT DRIVER | Violation | 6 | OTHER | Severity | INJURY | | | | # Killed | 0 | # Injured | 1 | Tow Away? | N | Process Date | 20140321 | | | | | | | |
| Weather/1 | CLEAR | Rdwy Surface | DRY | Lighting | DAYLIGHT | Rdwy Cond1 | NO UNUSL CND | Ped Action | | | | | | | | Spec Cond | 1 | Ramp/Int | | | | | | |
| Hit and Run | | Motor Veh Involved With | NON-CLSN | | | | | | | Crnl Dev | NT PRS/FCTR | | | Loc Type | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp Info | OAF1 Viol | OAF2 Safety Equip | Role | Ext of Inj | Age | Sex | Seat Pos | Safety Equip | Ejected | |
| 1 | DRVR | 45 | F | H | HNBD | PROC | ST | W | H | 1700 | THOMA | 2000 | - | 3 | N | M G | PASS | COMP | PN | 12 | M | 8 | P | |



ASSOCIATED TRANSPORTATION ENGINEERS

100 N. Hope Avenue, Suite 4, Santa Barbara, CA 93110 • (805) 687-4418 • (805) 682-8509-F

ACCIDENT RATE CALCULATION SHEET - FOR INTERSECTIONS

Project: Thurgood Marshall School
Project #: 015098
Analyst: DFN
Date: 2/17/2016

File Name: Accident Rate Wkst.exl

N/S Street: Patterson Road
E/W Street: Gonzales Road

Weekday:

PM Peak Hour Entering Volume: 2144
Peak Hour Factor: 10

-----OR-----

Total Approach ADT: N/A

Weekend:

PM Peak Hour Entering Volume OR ADT: 100% (as a percentage of Weekday PM Peak Hour Entering Volume OR ADT)

Period Analyzed (years): 5

Number of Accidents: 21

Million Entering Vehicle Miles: 39.13 million entering vehicle miles (mevm)

Accident Rate: .54 accidents per million entering vehicle miles (mevm)

Intersection Rate Group:

California State Average Collision Rate: 0.43

DEFINITIONS

$$\text{Number Expected} = \frac{\text{ADT} \times \text{Time} \times \text{Rate Expected}}{1000000}$$

$$\text{Number Significant} = \text{Number Expected} + (2.576 \times \text{Number Expected}) + 1.329$$

NOTES: Number Significant using 99.5% confidence level.

For intersections, use annual number of entering vehicles in place of ADT and delete length. The NR is the same as for roadway segments.

CALCULATIONS - GONZALES ROAD/PATTERSON ROAD (2010-2015)

$$\text{Number Expected} = \frac{21440 \times 1825 \times 0.43}{1000000} = 16.825$$

$$\text{Number Significant} = 28.7204$$

| Primary Rd | THURGOOD MARS | Distance (ft) | 100 | Direction | W | Secondary Rd | PATTERSON RD | NCIC | 5604 | State Hwy? | N | Route | 5065 | Postmile Prefix | 20130605 | Time | 1445 | Day | WED | Side of Hwy | | |
|--------------------------|---------------|-------------------------|----------|--------------|-----------|----------------|--------------|------------|--------------|------------|----------|-------|------------|-----------------|-----------|-----------|------|--------------|----------|-------------|------|------------|
| City | OXNARD | County | VENTURA | Population | 6 | Rpt.Dist | 1 | Type | Ca/Trans | Dist | | Badge | 0 | Collision Date | 0 | Tow Away? | N | Process Date | 20140910 | | | |
| Primary Collision Factor | UNKNOWN | Weather1 | CLEAR | Violation | 20002A | Collision Type | SIDESWIPE | Severity | PDO | | # Killed | 0 | Rdwy Cond2 | 0 | # Injured | 0 | | | | Spec Cond | 0 | |
| Weather2 | | Motor Veh Involved With | OTHER MV | Rdwy Surface | DRY | Lighting | DAYLIGHT | Rdwy Cond1 | NO UNUSL CND | Ped Action | | | | | | | | | | | | Ramp/Int |
| Hit and Run | MSDMNR | | | | | | | | | | | | | | | | | | | | | |
| PARTY INFO | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 | Viol | OAF2 | Safety | Equip | Role | Ext of Inj |
| 1F | DRVR | 988 | M | | | IMP UNK | W | - | 0000 | FORD | | 3 | 1997 | - | 3 | N | - | - | - | - | | |
| 2 | DRVR | 68 | F | A | HNBD | ENT TRAF | W | - | 0000 | TOYOT | | 3 | 1997 | - | 3 | N | - | - | - | - | PASS | 6 |
| VICTIM INFO | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 | Viol | OAF2 | Safety | Equip | Role | Ext of Inj |
| 1F | DRVR | 68 | F | A | HNBD | ENT TRAF | W | - | 0000 | TOYOT | | 3 | 1997 | - | 3 | N | - | - | - | - | | |
| 2 | DRVR | 68 | F | A | HNBD | ENT TRAF | W | - | 0000 | TOYOT | | 3 | 1997 | - | 3 | N | - | - | - | - | PASS | 6 |
| VICTIM INFO | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 | Viol | OAF2 | Safety | Equip | Role | Ext of Inj |
| 1 | DRVR | 60 | M | W | HNBD | PROC ST | S | H | 1700 | OTHER | | 3 | 2006 | - | 3 | N | - | - | - | - | PASS | 6 |
| 2 | DRVR | 60 | M | W | HNBD | PROC ST | S | H | 1700 | OTHER | | 3 | 2006 | - | 3 | N | - | - | - | - | PASS | 6 |
| VICTIM INFO | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 | Viol | OAF2 | Safety | Equip | Role | Ext of Inj |
| 1 | DRVR | 60 | M | W | HNBD | PROC ST | S | H | 1700 | OTHER | | 3 | 2006 | - | 3 | N | - | - | - | - | PASS | 6 |
| 2 | DRVR | 60 | M | W | HNBD | PROC ST | S | H | 1700 | OTHER | | 3 | 2006 | - | 3 | N | - | - | - | - | PASS | 6 |
| VICTIM INFO | | | | | | | | | | | | | | | | | | | | | | |
| Party Type | Age | Sex | Race | Sobriety1 | Sobriety2 | Move Pre Coll | Dir | SW | Veh | CHP | Veh | Make | Year | Sp | Info | OAF1 | Viol | OAF2 | Safety | Equip | Role | Ext of Inj |
| 1 | DRVR | 60 | M | W | HNBD | PROC ST | S | H | 1700 | OTHER | | 3 | 2006 | - | 3 | N | - | - | - | - | PASS | 6 |
| 2 | DRVR | 60 | M | W | HNBD | PROC ST | S | H | 1700 | OTHER | | 3 | 2006 | - | 3 | N | - | - | - | - | PASS | 6 |



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ACCIDENT RATE CALCULATION SHEET - FOR INTERSECTIONS

Project: Thurgood Marshall School **File Name:** Accident Rate Wkst.exl
Project #: 015098
Analyst: DFN
Date: 2/17/2016

N/S Street: Patterson Road
E/W Street: Thurgood Marshall Drive

Weekday:
PM Peak Hour Entering Volume: 371
Peak Hour Factor: 10
-----OR-----
Total Approach ADT: N/A

Weekend:
PM Peak Hour Entering Volume OR ADT: 100% (as a percentage of Weekday PM Peak Hour Entering Volume OR ADT)

Period Analyzed (years): 5

Number of Accidents: 2

Million Entering Vehicle Miles: 6.77 million entering vehicle miles (mevm)

Accident Rate: .3 accidents per million entering vehicle miles (mevm)

Intersection Rate Group:
California State Average Collision Rate: 0.14

DEFINITIONS

$$\text{Number Expected} = \frac{\text{ADT} \times \text{Time} \times \text{Rate Expected}}{1000000}$$

$$\text{Number Significant} = \text{Number Expected} + (2.576 \times \text{Number Expected}) + 1.329$$

NOTES: Number Significant using 99.5% confidence level.

For intersections, use annual number of entering vehicles in place of ADT and delete length. The NR is the same as for roadway segments.

CALCULATIONS - PATTERSON ROAD/THURGOOD MARSHALL DRIVE (2010-2015)

$$\text{Number Expected} = \frac{3710 \times 1825 \times 0.14}{1000000} = 0.94791$$

$$\text{Number Significant} = 4.78491$$

**MITIGATION MONITORING AND REPORTING PROGRAM:
12 CLASSROOM BUILDING PROJECT AT THURGOOD MARSHALL ELEMENTARY SCHOOL
OXNARD SCHOOL DISTRICT
OXNARD, CA**

| Mitigation Measure | Requirements of Measure | Time Frame | Responsible Party | Completed | Initials and Date | Notes/Comments |
|--------------------|--|-----------------------------------|-------------------|-----------|-------------------|----------------|
| Aesthetics | | | | | | |
| AES-1 | Low impact, fully-shielded lighting shall be used for all nighttime light sources. This includes lamps with visors, hoods, and opaque reflectors to ensure that no unnecessary light is emitted. | During Construction and Operation | OSD | | | |
| Biology | | | | | | |
| BIO-1 | When possible, removal of vegetation should be avoided during the nesting season (February 15-September 1). If the disturbance or removal of vegetation occurs during the nesting bird season, clearance surveys will be conducted by a qualified biologist. Surveys must be conducted within two weeks prior to ground disturbance. If nesting birds are found, the biologist will establish an appropriate buffer within which no work will occur, or work must halt until the nest is determined by the biologist to be inactive. | Prior to Construction | OSD | | | |
| BIO-2 | When possible, tree removal should be avoided during the nesting season (February 15-September 1). If the disturbance or removal of trees occurs during the nesting bird season, clearance | During Construction | OSD | | | |

| | | | | | | |
|---------------------------|---|-----------------------|-----|--|--|--|
| | surveys will be conducted by a qualified biologist. Surveys must be conducted within two weeks prior to tree disturbance or removal. If nesting birds are found, the biologist will establish an appropriate buffer within which no work will occur, or work must halt until the nest is determined by the biologist to be inactive. | | | | | |
| Cultural Resources | | | | | | |
| CR-1 | Worker Education/Training—Prior to any ground disturbing activities within the project APE, all project personnel will be briefed by a qualified project archaeologist (retained on-call for the project by the applicant) about the potential and procedures for the inadvertent discovery of prehistoric and historic archaeological resources. The training will include procedures for temporarily halting or redirecting work in the event of a discovery, identification and evaluation procedures, and a discussion on the importance of, and the legal basis for, the protection of archaeological resources. Personnel will be also be provided with a handout regarding identification of cultural resources and protocols for reporting finds. | Prior to Construction | OSD | | | |
| CR-2 | Inadvertent Discoveries of Archaeological Resources— If the construction staff or others observe previously unidentified archaeological resources during ground disturbing activities, they will | During Construction | OSD | | | |

| | | | | | | |
|--------------|--|---------------------|-----|--|--|--|
| | <p>halt work within a 200-foot radius of the find(s), delineate the area of the find with flagging tape or rope (may also include dirt spoils from the find area), and immediately notify the qualified project Archaeologist (retained on-call by applicant). Construction will halt within the flagged or roped-off area. The Archaeologist will assess the resource as soon as possible and determine appropriate next steps in coordination with OSD. Such finds will be formally recorded and evaluated. The resource will be protected from further disturbance or looting pending evaluation.</p> | | | | | |
| CR-3: | <p>Archaeological Monitoring— If proposed project construction ground disturbing activities will reach depths containing undisturbed native soils (areas below 1.5 feet), a qualified archaeological monitor and Native American monitor (if requested) will be present on-site during ground disturbing activities. A cultural resource monitoring and inadvertent discovery plan that outlines protocols and procedures will be developed prior to any construction (including grading) of the project APE by the qualified on-call Archaeologist (see CR-1). If any cultural resources are identified by the monitor(s) during ground</p> | During Construction | OSD | | | |

| | | | | | | |
|----------------|--|-----------------------|-----|--|--|--|
| | disturbing activities, the resource will be treated as an inadvertent discovery and the protocols outlined in the monitoring plan will be followed. If requested by interested Tribes, a Native American monitor will also be present during construction ground disturbing activities. | | | | | |
| CR-4 | Inadvertent Discoveries of Paleontological Resources— If the construction staff or others observe previously unidentified paleontological resources during ground disturbing activities, they will halt work within a 200-foot radius of the find(s), delineate the area of the find with flagging tape or rope (may also include dirt spoils from the find area), and immediately notify a qualified Paleontologist (retained on-call by the applicant). Construction will halt within the flagged or roped-off area. The Paleontologist will assess the resource as soon as possible and determine appropriate next steps in coordination with OSD. Such finds will be formally recorded and evaluated. The resource will be protected from further disturbance or looting pending evaluation. | During Construction | OSD | | | |
| Geology | | | | | | |
| GEO-1 | The building design for structures at the Project shall use geotechnical building design recommendations that are based on a site | Prior to Construction | OSD | | | |

| | | | | | | |
|--------------|--|-----------------------|-----|--|--|--|
| | <p>specific ground motion hazard analysis for the Project site performed in accordance with ASCE 7-10 (ASCE 2013) Chapter 21 as modified by Section 1803A.6 of the 2013 CBC. The site specific ground motion hazard analysis and geotechnical building design recommendations shall be approved by the CGS and the DSA.</p> | | | | | |
| GEO-2 | <p>The building design for structures at the Project shall use geotechnical building design recommendations that are based on a site specific a site specific evaluation of the liquefaction potential performed in accordance with the 2013 CBC (CBSC 2013) and the methods in the <i>Guidelines for Evaluating and Mitigating Seismic Hazards in California, Special Publication 117A</i> (CGS 2008). The site specific liquefaction potential analysis and geotechnical building design recommendations shall be approved by the CGS and the DSA.</p> | Prior to Construction | OSD | | | |
| GEO-3 | <p>Potential soil erosion that would occur during construction activities, including site grading, structure assembly, and utility extension shall be reduced to a less than significant level with standard erosion mitigation measures, including the use of hay bales and other erosion control devices as determined by site-specific conditions, limiting construction to the dry season, and soil wetting, applied as required under</p> | During Construction | OSD | | | |

| | | | | | | |
|------------------|---|-----------------------------|-----|--|--|--|
| | applicable regulatory guidelines and standards. | | | | | |
| Hydrology | | | | | | |
| HYDRO-1 | The project contractor shall include low-flow flush toilets and urinals, self-closing faucets, and insulated piping to reduce water consumption to the extent feasible. | Construction and Operation. | OSD | | | |
| HYDRO-2 | The OSD shall develop and implement a site evacuation plan to be implemented in conjunction with the County of Ventura OES Dam Failure Response Plan. | Prior to Operation | OSD | | | |
| Noise | | | | | | |
| N-1 | <p>The construction contractor shall limit activities as follows:</p> <ul style="list-style-type: none"> • Equipment and trucks used for project construction shall utilize the best available noise control techniques (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures and acoustically-attenuating shields or shrouds) wherever feasible. • Stationary noise sources shall be located as far from adjacent receptors as possible and shall be muffled and enclosed within temporary sheds, incorporate insulation barriers or other measures to the extent feasible. • Impact tools (e.g., jack hammers, pavement breakers, and rock drills) used for project construction shall be hydraulically or electrically powered wherever possible to avoid noise | During Construction | OSD | | | |

| | | | | | | |
|--|---|--|--|--|--|--|
| | <p>associated with compressed air exhaust from pneumatically-powered tools. However, where use of pneumatically powered tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used; this muffler can lower noise levels from the exhaust by up to about 10 dBA. External jackets on the tools themselves shall be used where feasible. This could achieve a reduction of 5 dBA. Quieter procedures shall be used such as drilling rather than impact equipment whenever feasible.</p> <ul style="list-style-type: none">• Heavy construction equipment operations should be limited during the school period when classrooms are being utilized in the adjacent building. | | | | | |
|--|---|--|--|--|--|--|

RESPONSE TO COMMENTS

A Draft IS/MND (SCH: 2016041052) was circulated for a 30-day public review and comment period from April 18, 2016 to May 18, 2016. During the public review period 6 comment letters were received and numbered in the order they were received. Provide herein is a copy of each letter received and a response to comments.

| Letter Number | Date Received | Agency | Author |
|----------------------|----------------------|---|-----------------------|
| 1 | 5/16/2016 | California Department of Transportation | Dianna Watson |
| 2 | 5/18/2016 | County of Ventura Resource Management Agency | Tricia Maier |
| 3 | 5/18/2016 | County of Ventura Transportation Department | Author not identified |
| 4 | 5/18/2016 | Ventura County Watershed Protection District | Alma Quezada, P.G. |
| 5 | 5/19/2016 | Ventura County Air Pollution Control District | Alicia Stratton |
| 6 | 5/24/2016 | State Clearinghouse | Scott Morgan |

Letter No. 1

STATE OF CALIFORNIA—CALIFORNIA STATE TRANSPORTATION AGENCY

EDMUND G. BROWN Jr., Governor

DEPARTMENT OF TRANSPORTATION
DISTRICT 7-OFFICE OF TRANSPORTATION PLANNING
100 S. MAIN STREET, MS 16
LOS ANGELES, CA 90012
PHONE (213) 897-9140
FAX (213) 897-1337
www.dot.ca.gov



Serious drought.
Help save water!

May 16, 2016

Ms. Lisa Cline
Oxnard School District
1051 South A Street
Oxnard, CA 93030

RE: Proposed Expansion of Thurgood Marshall
Elementary (MND)
SCH#2016041052, IGR#160444-FL
Vic. LA/ 101/ PM 22.73

Dear Ms. Cline:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the above referenced project. The project proposes to construct and operate a new two-story, 12-classroom building on the existing Marshall Elementary School site. It is to add 12,821 sq. ft. of teaching facilities and an additional 2,280 sq. ft. devoted to restroom, storage and locker room facilities. A total of 20 additional parking spaces are proposed by modification of the existing parking lot.

Comment 1-1

The nearest facilities to the proposed project are US-101 and SR-1. Caltrans does not expect project approval to result in a direct adverse impact to the existing State transportation facilities.

Caltrans acknowledges that the school currently operates a student bussing program, which 43% of the existing student enrollment are bussed to school; and that the program will continue to operate when the school adds the 6th, 7th, and 8th grades.

As a reminder, any transportation of heavy construction equipment and/or materials which requires the use of oversized-transport vehicles on State highways will require a Caltrans transportation permit. Caltrans recommends that large size truck trips be limited to off-peak commute periods.

Comment 1-2

Storm water run-off is a sensitive issue for Los Angeles and Ventura counties. Please be mindful that project needs to be designed to discharge clean run-off water.

If you have any questions or concerns regarding these comments, please contact project coordinator, Frances Lee at (213) 897-0673 or electronically at frances.lee@dot.ca.gov.

Sincerely,

A handwritten signature in blue ink that reads "Dianna Watson".

DIANNA WATSON
Branch Chief, LD-IGR Review

cc: Scott Morgan, State Clearinghouse

*"Provide a safe, sustainable, integrated and efficient transportation system
to enhance California's economy and livability"*

Letter Number: 1

Date Received: May 16, 2016

Commenter/Agency: Dianna Watson, California Department of Transportation

Response to Comment 1-1:

The District hereby acknowledges that the nearest facilities to the proposed project are US-101 and SR-1 and that Caltrans does not expect project approval to result in a direct adverse impact to the existing State transportation facilities. Any transportation of heavy construction equipment and/or materials which requires the use of oversized-transport vehicles on State highways will require a Caltrans transportation permit and that off-peak commute periods for transport would be recommended.

Response to Comment 1-2:

The proposed project would be designed to discharge clean run-off water in compliance with applicable regulations.

Letter No. 2

RESOURCE MANAGEMENT AGENCY

county of ventura

Planning Division

Kimberly L. Prillhart
Director

May 18, 2016

Oxnard School District
Attn: Lisa Cline, Deputy Superintendent Business and Fiscal Services
1051 South "A" Street
Oxnard, CA 93033

Email: lgarcia@oxnardsd.org

Subject: Comments on the Draft Mitigated Negative Declaration for the Marshall
Elementary School New Classroom Building Project

Dear Ms. Cline:

Comment 2-1

Thank you for the opportunity to review and comment on the subject document. Attached are the comments that we have received resulting from intra-county review of the subject document. Additional comments may have been sent directly to you by other County agencies.

Your proposed responses to these comments should be sent directly to the commenter, with a copy to Laura Hocking, Ventura County Planning Division, L#1740, 800 S. Victoria Avenue, Ventura, CA 93009.

If you have any questions regarding any of the comments, please contact the appropriate respondent. Overall questions may be directed to Laura Hocking at (805) 654-2443.

Sincerely,



Tricia Maier, Manager
Planning Programs Section

Attachments

County RMA Reference Number 16-009

800 South Victoria Avenue, L# 1740, Ventura, CA 93009 (805) 654-2481 Fax (805) 654-2509



Printed on Recycled Paper



Letter Number: 2

Date Received: May 18, 2016

Commenter/Agency: Tricia Maier, County of Ventura Resource Management Agency

Response to Comment 2-1:

The District hereby acknowledges receipt of the cover letter indicating that intra-county review has occurred and that three comment letters were attached (Transportation Department, Watershed Protection District, and Air Pollution Control District). The District has prepared responses to each commenter directly and included a copy of the responses to Laura Hocking as requested.

Letter No. 3



County of Ventura
Public Works Agency
Transportation Department
MEMORANDUM

DATE: May 4, 2016

TO: RMA – Planning Division
Attention: Laura Hocking

FROM: Transportation Department *Ben*

SUBJECT: **REVIEW OF DOCUMENT 16-009** Draft Mitigated Negative Declaration (DMND)
Project: **Marshall Elementary School New Classroom Building Project**
Lead Agency: **Oxnard School District (OSD)**
Construction of new two-story classroom building for 345 middle school students at Thurgood Marshall Elementary School in Oxnard located at northwest corner of Gonzales Road and Patterson Road (District).
APN 179-0-070-010

Pursuant to your request, the Public Works Agency Transportation Department (PWATD) has reviewed the DMND for the Marshall Elementary School New Classroom Building Project (Project).

The project is the construction of a new two-story 12-classroom 12,821-SF building and 2,280 SF of restroom, storage, and locker facilities for an anticipated increase of 345 middle school students at Thurgood Marshall Elementary School. The school is located northeast of the intersection of Gonzales Road and Patterson Road in the City of Oxnard. The new classroom building would be located south of the main campus and require reconfiguring of the playground and increasing the parking capacity to 88 spaces. Access to the school is via one driveway on the west-east segment of Thurgood Marshall Drive just west of Patterson Road. There is a fire lane on the north-south segment of Thurgood Marshall Drive north of Gonzales Road. According to the Traffic Study by ATE dated March 18, 2016, the proposed middle school component would generate an additional 559 average daily trips, 186 morning peak-hour trips, and 55 afternoon/evening peak-hour trips. The 18-month construction project would begin in summer 2016 and increase the capacity of the school to 900 students.

We offer the following comments:

Comment 3-1

1. No Mitigation Measures are provided in the Transportation/Traffic Section 3.4.16 (Page 3-70) for cumulative adverse traffic impacts as recommended by the Traffic Study (Page 18).

This project will have cumulative adverse traffic impacts on the Regional Road Network (RRN) that should be mitigated. One method of mitigating such impacts is by paying a Traffic Impact Mitigation Fee (TIMF).

Letter No. 3 (continued)

Comment 3-1 (continued)

The cumulative impacts of the development of this project, when considered with the cumulative impact of all other approved (or anticipated) development projects in the County, will be potentially significant. To address the cumulative adverse impacts of traffic on the County Regional Road Network, the appropriate Traffic Impact Mitigation Fee (TIMF) should be paid to the County when development occurs. Based on the information provided in the DMND, and the reciprocal agreement between the City of Oxnard and the County of Ventura, the fee due to the County would be:

$$\$37,078.77 = 559 \text{ ADT}^{**} \times \$66.33 / \text{ADT}^{***}$$

** Increase in trips per Table 3-9 (Page 3-73) of the DMND

*** TIMF for project in the City of Oxnard and Oxnard Traffic District #8

The above estimated fee may be subject to adjustment at the time of deposit, due to provisions in the TIMF Ordinance allowing the fee to be adjusted for inflation based on the Engineering News Record Construction Cost Index. The above is an estimate only, based on information provided in the DMND.

Comment 3-2

2. The minimum Level of Service (LOS) standard in the 2009 Ventura County Congestion Management Program (CMP) is LOS "E," not LOS "F" as stated in the Traffic Study on Page 19 (refer to the 2009 CMP Pages 17 and 22).

Comment 3-3

3. Please send us the Final MND when it becomes available for our review and comment.

Comment 3-4

Our review is limited to the impacts this project may have on the County's Regional Road Network.

T:\Planning\Land Development\Non_County\16-009 (OSD).doc

Letter Number: 3

Date Received: May 18, 2016

Commenter/Agency: Author Not Identified, County of Ventura Transportation Department

Response to Comment 3-1:

In response to,

“No Mitigation Measures are provided in the Transportation/Traffic Section 3.4.16 (Page 3-70) for cumulative adverse traffic impacts as recommended by the Traffic Study (Page 18). This project will have cumulative adverse traffic impacts on the Regional Road Network (RRN) that should be mitigated...”

As noted on page 19 of the traffic study, the study area intersections along Gonzales Road and Patterson Road that are contained in the County’s Congestion Management Program (CMP) are forecast to operate at LOS C or better with Cumulative + Project peak hour volumes and thus, would not exceed the CMP LOS E standard. Mitigation measures were not included for potential cumulative traffic impacts since no potentially significant traffic impacts were identified. That comment that *“This project will have cumulative adverse traffic impacts on the Regional Road Network (RRN) that should be mitigated”* was not supported with any documentation to support the claim of adverse impacts on county roadways. Nor, were any substantive comments provided regarding the traffic analysis contained in the IS/MND to dispute the findings. The City of Oxnard and Ventura County have executed a “Reciprocal Traffic Mitigation Agreement” wherein the City and the County agree that a pro-rata share of the cost mitigations will be collected by each agency for identified traffic impacts in the other jurisdiction, as indicated on page 18 of the traffic study. The proposed project would pay applicable development fees and clarification has been added to the traffic section text (Page 3-77).

Response to Comment 3-2:

The County’s CMP minimum acceptable standard for traffic operations was identified as LOS “E” on page 19 of the traffic study and page 3-77 of the IS/MND.

Response to Comment 3-3:

As requested, the District will send a copy of the Final MND when it is available for your review.

Response to Comment 3-4:

The comment that the Transportation Department’s review is limited to the impacts this project may have on the County's Regional Road Network is hereby acknowledged. The Oxnard School District provides educational services for students residing within its jurisdiction. All schools including Thurgood Marshall, are located within the City of Oxnard.

Letter No. 4



**Ventura County
Watershed Protection District
Groundwater Resources**

MEMORANDUM

DATE: May 18, 2016

TO: Laura Hocking, RMA/Planning Technician

FROM: Alma Quezada, P.G., Groundwater Specialist

SUBJECT: RMA Ref. #16-009, Draft Initial Study/Mitigated Negative Declaration Proposed Expansion of Thurgood Marshall Elementary, Oxnard, California.

As requested, the Ventura County Watershed Protection District (VCWPD) – Groundwater Resources Division has reviewed the Draft Initial Study/Mitigated Negative Declaration Proposed Expansion of Thurgood Marshall Elementary Oxnard, California, in accordance with the County of Ventura Initial Site Assessment Guidelines (ISAG) and provides the following comments:

PROJECT LOCATION

The proposed project will be located at the existing Thurgood Marshall Elementary School Campus located at 2900 Thurgood Marshall Drive in the City of Oxnard, in Ventura County, California. The school occupies Assessor Parcel Number (APN) 179-0-070-010.

PROJECT DESCRIPTION

The proposed project is located within the service area of the City of Oxnard and overlies the Oxnard Plain Basin (Department of Water Resources [DWR] Basin No. 4-4.02), which was identified as a Critically Overdrafted Groundwater Basin by the DWR in January 2016. The project proposes to construct and operate a new two-story, 12-classroom building on the existing Marshall Elementary School site. The new facilities are needed to accommodate growing Oxnard School District enrollment in the 6th through 8th grades.

ENVIRONMENTAL IMPACT ANALYSIS

Comment 4-1

Item 2a. Groundwater Quantity

The proposed project is located within the service area of the City of Oxnard. The City of Oxnard blends water from all available groundwater and imported surface water sources. Current water supply for the City of Oxnard is obtained from the following four sources:

Letter No. 4 (continued)

Comment 4-1 (continued)

1. Imported surface water from Calleguas Municipal Water District (CMWD),
2. Groundwater from United Water Conservation District (UWCD),
3. Groundwater from Oxnard's wells within the Fox Canyon Groundwater Management Agency's (FCGMA) jurisdiction, and
4. Recycled water from Oxnard's Advanced Water Purification Facility.

The City of Oxnard's greatest portion of water supply is from the City's groundwater wells (under FCGMA management) and from UWCD groundwater. The proposed project estimates an additional water usage of 1.05 acre-feet per year (AFY). Any project which results in a net annual increase in groundwater extraction of 1.0 AFY or greater is considered to have a **significant impact**.

Comment 4-2

Item 2b. Groundwater Quality

The proposed project will not handle or generate large quantities of hazardous materials other than minor amounts used for short term construction activities such as architectural coatings and sealants. For long term operations, minor amounts used for routine maintenance and operations would be stored in supply cabinets or storerooms. Additionally, the County of Ventura does not have records indicating the presence of water wells on the proposed site. Impacts to groundwater quality are considered **less than significant**.

Comment 4-3

Item 2c. Surface Water Quantity

The proposed project does not rely on surface water supplies in a fully appropriated stream reach as designated by SWRCB or where unappropriated surface water is unavailable, and is considered to have **no impact** on surface water quantity.

Comment 4-4

Item 28b. Water Supply – Quantity

The proposed project is located within the service area of the City of Oxnard. It is not clear if the proposed project will have sufficient water supplies available to serve the project from existing entitlements and resources. The project proposes to implement mitigation measure HYDRO-1, which incorporates the use of low-flow flush toilets and urinals, self-closing faucets, and insulated piping to reduce water consumption to the extent feasible. If mitigation measure HYDRO-1 is successfully incorporated, additional water usage for the project is estimated to be 1.05 AFY. Projects that cannot verify a permanent source of water are considered **potentially significant** by the County of Ventura, however, the effect can be mitigated to a less than significant level if the project proponent can confirm a permanent water supply for the project by obtaining a valid Will Serve letter from the City of Oxnard.

Letter Number: 4
Date Received: May 18, 2016
Commenter/Agency: Alma Quezada, P.G., Watershed Protection District

Response to Comment 4-1:

The project site, the existing Thurgood Marshall Elementary School (Marshall), is located within the City of Oxnard and the City currently provides water service to the school. The City of Oxnard blends water from all available groundwater and imported surface water sources. Current water supply for the City of Oxnard is obtained from the following sources:

1. Imported surface water from Calleguas Municipal Water District (CMWD),
2. Groundwater from United Water Conservation District (UWCD),
3. Groundwater from Oxnard's wells within the Fox Canyon Groundwater Management Agency's (FCGMA) jurisdiction, and
4. Recycled water from Oxnard's Advanced Water Purification Facility.

As noted on page 3-46 of the draft IS/MND, additional water resources are becoming available through the implementation of the new Groundwater Enhancement and Treatment (GREAT) Program. The GREAT Program combines wastewater recycling associated with the AWPf, brackish groundwater desalination, groundwater injection, storage and recovery, and restoration of local wetlands to supplement the City's groundwater supply source, the Oxnard Plain.

Development of the project site with a public school is consistent with the City's 2030 General Plan and buildout of the General Plan was accounted for in the Urban Water Management Plan (2012). The proposed project would be consistent within the intent of General Plan Policy ICS-21.5 since it would be an infill project on an existing school campus in order to provide adequate facilities to accommodate students.

The proposed project would increase the student capacity at the project site but would not increase overall District enrollment. More specifically, the District is experiencing a bubble in enrollment in the 3rd and 4th grades that it believes will exceed the District's capacity when those children matriculate to the 6th through 8th grades. In order to accommodate those children in an age appropriate environment, the District is proposing to construct 12 classrooms at Marshall. The District does not anticipate a growth in the overall enrollment District wide and fully expects this bubble to work its way through the system.

Once these children matriculate through the 8th grade, these classrooms will either continue to be used to accommodate 6th through 8th grade students; revert to 3rd through 5th grade, permitting the District to reduce class size; or be used as swing space to complete improvements through other District facilities. These classrooms are intended to serve existing students of the District. We do not expect an influx of new students at this time. Therefore, while water use at the project site may increase, overall water use by the School District is not anticipated to change substantially. Clarification of the use of the proposed 12 class room building has been added to the project description.

The comment that any project which results in a net annual increase in groundwater extraction of 1.0 AFY or greater is considered to have a significant impact was not supported with any facts or documentation as to how that claim was made nor were any comments provided about the adequacy of

the water supply analysis provided in the IS/MND. While groundwater is a source of water, it is not the only source of water used by the City of Oxnard. The provided water estimate in the IS/MND represents a worst-case scenario and it is unlikely that the worst-case scenario would result in 100% of the water coming from ground water supplies. It is also not anticipated for District enrollment to increase substantially. Development of the project site with a public school is consistent with the City's 2030 General Plan and buildout of the General Plan was accounted for in the Urban Water Management Plan (2012). Furthermore, the proposed project includes Mitigation Measure HYDRO-1 to reduce water consumption associated with the new campus facilities. This Mitigation Measure requires the use of low-flow toilets and urinals, self-closing faucets, and insulated piping to reduce water consumption to the extent feasible. The purpose of this measure is to reduce water use by the District. Therefore, the findings in the IS/MND determined that project impact would be less than significant with mitigation incorporated.

Response to Comment 4-2:

The District acknowledges the comment that impacts to groundwater quality are considered less than significant.

Response to Comment 4-3:

The District acknowledges the comments that the proposed project does not rely on surface water supplies in a fully appropriated stream reach as designated by SWRCB or where unappropriated surface water is unavailable, and is considered to have **no impact** on surface water quantity.

Response to Comment 4-4:

Please refer to response 4-1 related to water supply for the proposed project.

Letter No. 5

**VENTURA COUNTY
AIR POLLUTION CONTROL DISTRICT**
Memorandum

TO: Laura Hocking, Planning DATE: May 16, 2016

FROM: Alicia Stratton

SUBJECT: Request for Review of Mitigated Negative Declaration for the Marshall Elementary School New Classroom Building Project, Oxnard School District (Reference No. 16-009)

Comment 5-1

Air Pollution Control District staff has reviewed the subject mitigated negative declaration, which is a request for construction and operation of a new two-story, 12-classroom building on the existing Thurgood Marshall Elementary School site. The school would be configured to include grades 6-8, accommodating students in grades K-8 at the school. The new facilities are needed to accommodate growing District enrollment in grades 6-8. The proposed project would increase capacity at the school to 900 students. A total of 20 additional parking spaces are proposed with the project. The project location is 2900 Thurgood Marshall Drive in the City of Oxnard.

Section 3.4.3 of the mitigated negative declaration addresses air quality. We concur with the findings of this discussion that significant air quality impacts would not result from the project. Table 3-3, *Project Operation Emissions of Criteria Pollutants*, indicates that air quality impacts will be below the 25 pounds per day threshold for reactive organic compounds and oxides of nitrogen as described in the Ventura County Air Quality Assessment Guidelines (2.32 lbs/day ROG and 3.79 NO_x). Short-term, construction emissions will occur, as indicated in Table 3-2, *Project Construction Emissions of Criteria Pollutants*; however, because these emissions are temporary they are not counted toward APCD thresholds of significance. The air quality mitigation measures described on Page 3-18 of the mitigated negative declaration will help minimize fugitive dust, particulate matter and creation of ozone precursor emissions that may result from project construction. No further air quality mitigation is needed.

If you have any questions, please call me at (805) 645-1426.

Letter Number: 5
Date Received: May 19, 2016
Commenter/Agency: Alicia Stratton, Air Pollution Control District

Response to Comment 5-1:

The District acknowledges the concurrence of the Ventura County Air Pollution Control District, with the IS/MND findings that significant air quality impacts would not result from the proposed project and that no further air quality mitigation is needed.

Letter No. 6



EDMUND G. BROWN JR.
GOVERNOR

STATE OF CALIFORNIA
GOVERNOR'S OFFICE OF PLANNING AND RESEARCH
STATE CLEARINGHOUSE AND PLANNING UNIT



KEN ALEX
DIRECTOR

May 19, 2016

cc: P. Raphael-CFW
G. Grant - CFW
RECEIVED

Lisa Cline
Oxnard School District
1051 South A Street
Oxnard, CA 93030

MAY 24 2016

Subject: Proposed Expansion of Thurgood Marshall Elementary
SCH#: 2016041052

BUSINESS & FISCAL SERVICES

Dear Lisa Cline:
Comment 6-1

The State Clearinghouse submitted the above named Mitigated Negative Declaration to selected state agencies for review. On the enclosed Document Details Report please note that the Clearinghouse has listed the state agencies that reviewed your document. The review period closed on May 18, 2016, and the comments from the responding agency (ies) is (are) enclosed. If this comment package is not in order, please notify the State Clearinghouse immediately. Please refer to the project's ten-digit State Clearinghouse number in future correspondence so that we may respond promptly.

Please note that Section 21104(c) of the California Public Resources Code states that:

"A responsible or other public agency shall only make substantive comments regarding those activities involved in a project which are within an area of expertise of the agency or which are required to be carried out or approved by the agency. Those comments shall be supported by specific documentation."

These comments are forwarded for use in preparing your final environmental document. Should you need more information or clarification of the enclosed comments, we recommend that you contact the commenting agency directly.

This letter acknowledges that you have complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act. Please contact the State Clearinghouse at (916) 445-0613 if you have any questions regarding the environmental review process.

Sincerely,

Scott Morgan
Director, State Clearinghouse

Enclosures
cc: Resources Agency

1400 10th Street P.O. Box 3044 Sacramento, California 95812-3044
(916) 445-0613 FAX (916) 323-3018 www.opr.ca.gov

Letter No. 6 (continued)

**Document Details Report
State Clearinghouse Data Base**

SCH# 2016041052
Project Title Proposed Expansion of Thurgood Marshall Elementary
Lead Agency Oxnard School District

Type **MND** Mitigated Negative Declaration
Description Oxnard School District proposes to construct and operate a new two-story, 12 classroom building on the existing Marshall ES site. The school would be reconfigured to include grades 6th through 8th thereby accommodating students in grades K-8 at the existing school site. The proposed 12-classroom permanent structure would increase capacity at the Marshall School to 900 students at State loading standards, satisfying the District's education specification for a K-8 facility. The proposed project would add 12,821 sf of teaching facilities and an additional 2,280 sf devoted to restroom (1,270 sf) storage (593 sf) and locker room facilities (417 sf). This would increase building square footage at the Marshall School by a total of 15,101 sf.

Lead Agency Contact

Name Lisa Cline
Agency Oxnard School District
Phone 805-385-1501
email
Address 1051 South A Street
City Oxnard
State CA **Zip** 93030
Fax

Project Location

County Ventura
City Oxnard
Region
Lat / Long 34° 13' 12.6" N / 119° 12' 31.5" W
Cross Streets 2900 Thurgood Marshall Dr at North Patterson Rd
Parcel No. 179-0-070-010
Township **Range** **Section** **Base**

Proximity to:

Highways Pacific Coast HWY, Route 1
Airports Oxnard
Railways UPRR
Waterways Santa Clara River
Schools multiple
Land Use PLU: Thurgood Marshall ES/Z: community reserve/GPD: School

Project Issues Aesthetic/Visual; Agricultural Land; Air Quality; Archaeologic-Historic; Biological Resources; Drainage/Absorption; Economics/Jobs; Flood Plain/Flooding; Forest Land/Fire Hazard; Geologic/Seismic; Minerals; Noise; Population/Housing Balance; Recreation/Parks; Schools/Universities; Sewer Capacity; Soil Erosion/Compaction/Grading; Solid Waste; Toxic/Hazardous; Traffic/Circulation; Vegetation; Water Quality; Water Supply; Growth Inducing; Landuse; Cumulative Effects

Reviewing Agencies Resources Agency; Department of Fish and Wildlife, Region 5; Department of Parks and Recreation; Department of Water Resources; Caltrans, Division of Aeronautics; Caltrans, District 7; Regional Water Quality Control Board, Region 4; Native American Heritage Commission; Public Utilities Commission; California Highway Patrol

Date Received 04/19/2016 **Start of Review** 04/19/2016 **End of Review** 05/18/2016

Note: Blanks in data fields result from insufficient information provided by lead agency.

Letter No. 6 (continued)

STATE OF CALIFORNIA—CALIFORNIA STATE TRANSPORTATION AGENCY

EDMUND G. BROWN Jr., Governor

DEPARTMENT OF TRANSPORTATION
 DISTRICT 7-OFFICE OF TRANSPORTATION PLANNING
 100 S. MAIN STREET, MS 16
 LOS ANGELES, CA 90012
 PHONE (213) 897-9140
 FAX (213) 897-1337
 www.dot.ca.gov



Serious drought.
 Help save water!

Governor's Office of Planning & Research

MAY 16 2016

STATE CLEARINGHOUSE

05/18/2016 E

May 16, 2016

Ms. Lisa Cline
 Oxnard School District
 1051 South A Street
 Oxnard, CA 93030

RE: Proposed Expansion of Thurgood Marshall
 Elementary (MND)
 SCH#2016041052, IGR#160444-FL
 Vic. LA/ 101/ PM 22.73

Dear Ms. Cline:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the above referenced project. The project proposes to construct and operate a new two-story, 12-classroom building on the existing Marshall Elementary School site. It is to add 12,821 sq. ft. of teaching facilities and an additional 2,280 sq. ft. devoted to restroom, storage and locker room facilities. A total of 20 additional parking spaces are proposed by modification of the existing parking lot.

The nearest facilities to the proposed project are US-101 and SR-1. Caltrans does not expect project approval to result in a direct adverse impact to the existing State transportation facilities.


Caltrans acknowledges that the school currently operates a student bussing program, which 43% of the existing student enrollment are bussed to school; and that the program will continue to operate when the school adds the 6th, 7th, and 8th grades.

As a reminder, any transportation of heavy construction equipment and/or materials which requires the use of oversized-transport vehicles on State highways will require a Caltrans transportation permit. Caltrans recommends that large size truck trips be limited to off-peak commute periods.

Storm water run-off is a sensitive issue for Los Angeles and Ventura counties. Please be mindful that project needs to be designed to discharge clean run-off water.

If you have any questions or concerns regarding these comments, please contact project coordinator, Frances Lee at (213) 897-0673 or electronically at frances.lee@dot.ca.gov.

Sincerely,


 DIANNA WATSON
 Branch Chief, LD-IGR Review

cc: Scott Morgan, State Clearinghouse

*"Provide a safe, sustainable, integrated and efficient transportation system
 to enhance California's economy and livability"*

Letter Number: 6
Date Received: May 24, 2016
Commenter/Agency: Scott Morgan, State Clearinghouse

Response to Comment 6-1:

The District hereby acknowledges that State Clearinghouse distributed the document to relevant State agencies during the public review period and that the District has complied with State Clearinghouse review requirements for draft documents in compliance with CEQA. A comment letter from Cal Trans (Comment Letter 1) was provided as an attachment. The District also received a copy of the comment letter directly from Caltrans and responded to comments received.

Board Agenda Item

NAME OF CONTRIBUTOR: Dr. Morales/Lisa Cline

DATE OF MEETING: August 3, 2016

STUDY SESSION _____

CLOSED SESSION _____

SECTION B: HEARINGS _____

SECTION C: CONSENT AGENDA _____

SECTION D: ACTION **X**

SECTION E: REPORTS/DISCUSSION _____

SECTION F: BOARD POLICIES

1st Reading _____ 2nd Reading _____

Adoption of Resolution #16-06 - A Resolution of the Board of Trustees of the Oxnard School District Authorizing the Sale and Issuance of Not to Exceed \$18,000,000 Aggregate Principal Amount of Oxnard School District General Obligation Refunding Bonds, Series 2016 (Morales/Cline/CFW)

Oxnard School District staff and its Financial Advisor, CFW, monitor on an ongoing basis the opportunity to refunding the District's outstanding debt at lower market interest rates. Currently, the District has the opportunity to issue general obligation refunding bonds to garner approximately \$1.6 million in taxpayer savings. This is achieved through the reduction of interest payments being made on approximately \$17.1 million in outstanding general obligation bonds from the District's 2006 Election, Series B Bonds.

Refunding History

Periodically, the Oxnard School District has refinanced (refunded) its outstanding general obligation bonds to garner interest rate savings on the District's outstanding debt. The result of these refundings has been a reduction in the property taxes. In total, the District has refinanced \$56.4 million in General Obligation bonds since 2010 producing taxpayer savings in excess of \$5.1 million. The District once again has the opportunity to refund an additional series of outstanding bonds to garner taxpayer savings.

Election of 2006, Series B Bonds

On November 7, 2006, voters in the Oxnard School District authorized a total of \$64,000,000 in general obligation bonds (2006 Authorized Bonds) to finance the construction and improvements to the school facilities for the District. In February 2007, the District issued Series A Bonds of the 2006 Authorized Bonds in the amount of \$32,000,000. Series B Bonds of the 2006 Authorized Bonds were issued in July 2008 in the amount of \$31,997,467.00.

Proposed Refunding of Series B Bonds

The Series B Bonds were sold with an Optional Redemption Provision which allows the District to refund select maturities. At this time, the District has the option to refund the outstanding Series B Bonds scheduled to mature on August 1, 2019 through August 1, 2026. The principal amount of these bonds total \$17,090,000. The proposed 2016 General Obligation Refunding Bonds (2016 Refunding Bonds) will consist of approximately \$17,675,000 in general obligation refunding bonds and the structure will consist of current interest bonds. No capital appreciation bonds are being proposed at this time.

The existing debt service for the outstanding Series B Bonds identified in the proposed refunding is \$22,886,150. By refunding these bonds at current market rates, it is estimated that debt service for the bonds could be reduced approximately \$1.6 million to approximately \$21.3 million. This results in an estimated repayment ratio of 1.4 to 1 which would be well below the State maximum of 4 to 1.

DEBT SERVICE COMPARISON & ESTIMATED SAVINGS FOR PROPOSED REFUNDING

| Date | Prior Debt Service | Refunding Debt Service | Savings | Present Value to 04/01/2016 @ 1.9669206% |
|------------|--------------------|------------------------|--------------|--|
| 08/01/2016 | 380,412.50 | 350,733.33 | 29,679.17 | 29,486.16 |
| 08/01/2017 | 760,825.00 | 750,200.00 | 10,625.00 | 10,402.20 |
| 08/01/2018 | 760,825.00 | 750,200.00 | 10,625.00 | 10,200.58 |
| 08/01/2019 | 2,275,825.00 | 2,105,200.00 | 170,625.00 | 159,897.12 |
| 08/01/2020 | 2,370,225.00 | 2,196,000.00 | 174,225.00 | 160,076.20 |
| 08/01/2021 | 2,463,425.00 | 2,281,000.00 | 182,425.00 | 164,330.52 |
| 08/01/2022 | 2,562,937.50 | 2,373,750.00 | 189,187.50 | 167,148.79 |
| 08/01/2023 | 2,662,725.00 | 2,462,750.00 | 199,975.00 | 173,278.73 |
| 08/01/2024 | 2,769,650.00 | 2,562,750.00 | 206,900.00 | 175,831.80 |
| 08/01/2025 | 2,880,150.00 | 2,662,750.00 | 217,400.00 | 181,131.62 |
| 08/01/2026 | 2,999,150.00 | 2,777,250.00 | 221,900.00 | 181,254.59 |
| | 22,886,150.00 | 21,272,583.33 | 1,613,566.67 | 1,413,038.30 |

Following the proposed refunding of the Series B Bonds, \$10.8 million in Series B Bonds will remain outstanding.

FISCAL IMPACT:

The proceeds from the sale of the 2016 Refunding Bonds would be used to fund an irrevocable escrow to make bond payments and pay cost of issuance. The COI for the 2016 Refunding Bonds, excluding the underwriter’s discount and the cost of insurance (if required), is estimated not to exceed \$175,000 and would be funded by the proceeds generated from the transaction. **There would be no fiscal impact to the District’s General Fund.**

RECOMMENDATION:

It is the recommendation of the Superintendent and the Deputy Superintendent, Business & Fiscal Services, in consultation with CFW, that the Board of Trustees approve Resolution #16-06 and related documents that will allow for the execution of the 2016 Refunding Bonds under the terms outlined above.

ADDITIONAL MATERIALS:

- Resolution #16-06 (22 pages)
- Form of Escrow Agreement (9 pages)
- Form of Bond Purchase Agreement (17 pages)
- Form of Continuing Disclosure Certificate (8 pages)

RESOLUTION NO. 16-06

A RESOLUTION OF THE BOARD OF TRUSTEES OF THE OXNARD SCHOOL DISTRICT AUTHORIZING THE SALE AND ISSUANCE OF NOT TO EXCEED \$18,000,000 AGGREGATE PRINCIPAL AMOUNT OF OXNARD SCHOOL DISTRICT GENERAL OBLIGATION REFUNDING BONDS, IN ONE OR MORE SERIES, APPROVING THE FORMS OF AND AUTHORIZING THE EXECUTION AND DELIVERY OF ONE OR MORE ESCROW AGREEMENTS, BOND PURCHASE AGREEMENTS AND CONTINUING DISCLOSURE CERTIFICATES, APPROVING THE FORM, AND AUTHORIZING THE EXECUTION OF NECESSARY DOCUMENTS AND CERTIFICATES AND RELATED ACTIONS IN CONNECTION THEREWITH

WHEREAS, the Oxnard School District (the “District”), located in County of Ventura, California (the “County”), has heretofore issued the Oxnard School District General Obligation Bonds (Ventura County, California), Election of 2006, Series B (the “Prior Bonds”) in the original principal amount of \$31,997,467.10; and

WHEREAS, pursuant to Articles 9 and 11 of Chapter 3 of Part 1 of Division 2 of Title 5 of the California Government Code and other applicable law (the “Act”), the District is authorized to issue refunding bonds to refund all or a portion of the Prior Bonds; and

WHEREAS, it is desirable that all or a portion of the Prior Bonds be refunded (such refunded Prior Bonds being referred to herein as the “Refunded Bonds”); and

WHEREAS, in order to refund all or a portion of the Prior Bonds, it is desirable that the District issue one or more series of refunding bonds to be designated the “Oxnard School District (Ventura County, California) General Obligation Refunding Bonds,” with such additional or other series designations as may be approved as herein provided (collectively, the “Refunding Bonds” and each series of Refunding Bonds, individually, a “Series of Refunding Bonds”), according to the terms and in the manner herein provided; and

WHEREAS, the District desires to secure the timely payment of all or a portion of the principal of and interest on each Series of Refunding Bonds by obtaining a bond insurance policy with respect thereto, if such a policy is available and determined to be economically advantageous; and

WHEREAS, the moneys to redeem the Prior Bonds to be refunded will be applied to such purpose pursuant to one or more Escrow Agreements by and between the District and the paying agent for the Prior Bonds, as paying agent and as escrow bank (each such Escrow Agreement, in the form presented to this meeting, with such changes, insertions and omissions as are made pursuant to this Resolution, being referred to herein as an “Escrow Agreement”); and

WHEREAS, the Board of Trustees of the District (the “Board of Trustees”) desires to authorize the sale of each Series of Refunding Bonds by a negotiated sale pursuant to one or more Bond Purchase Agreements (each such Bond Purchase Agreement, in the form presented to this meeting, with such changes, insertions and omissions as are made pursuant to this Resolution,

being referred to herein as a “Bond Purchase Agreement”) to be entered into with Stifel, Nicolaus & Company, Incorporated, as underwriter (the “Underwriter”); and

WHEREAS, Rule 15c2-12 promulgated under the Securities Exchange Act of 1934 (“Rule 15c2-12”) requires that, in order to be able to purchase or sell the Refunding Bonds, the underwriter thereof must have reasonably determined that the District has undertaken in a written agreement or contract for the benefit of the holders of the Refunding Bonds to provide disclosure of certain financial and operating information and certain enumerated events on an ongoing basis; and

WHEREAS, in order to cause such requirement to be satisfied, the District desires to execute and deliver one or more Continuing Disclosure Certificates (each such Continuing Disclosure Certificate, in the form presented to this meeting, with such changes, insertions and omissions as are made pursuant to this Resolution, being referred to herein as a “Continuing Disclosure Certificate”); and

WHEREAS, the Ventura County Superintendent of Schools has jurisdiction over the District; and

WHEREAS, this Board of Trustees desires that the County levy and collect a tax on all taxable property within the District sufficient to provide for payment of each Series of Refunding Bonds, and intends by the adoption of this Resolution to notify the Board of Supervisors of the County (the “Board of Supervisors”), the Auditor-Controller of the County (together with any authorized deputy thereof, the “Auditor-Controller”), the Treasurer-Tax Collector of the County (together with any authorized deputy thereof, the “Treasurer”) and other officials of the County that they should take such actions as shall be necessary to provide for the levy and collection of such a tax and payment of each Series of Refunding Bonds and such portion of the Prior Bonds as shall remain outstanding following the issuance of the related Series of Refunding Bonds; and

WHEREAS, there have been prepared and submitted to this meeting forms of:

- (a) the Escrow Agreement;
- (b) the Bond Purchase Agreement; and
- (c) the Continuing Disclosure Certificate; and

WHEREAS, the District desires to proceed to issue and sell one or more Series of Refunding Bonds and to authorize the execution of such documents and the performance of such acts as may be necessary or desirable to effect the offering, sale and issuance of each such Series of Refunding Bonds; and

WHEREAS, all acts, conditions and things required by the Constitution and laws of the State of California (the “State”) to exist, to have happened and to have been performed precedent to and in connection with the consummation of the actions authorized hereby do exist, have happened and have been performed in regular and due time, form and manner as required by law, and the District is now duly authorized and empowered, pursuant to each and every requirement of law, to consummate such actions for the purpose, in the manner and upon the terms herein provided;

NOW, THEREFORE, BE IT RESOLVED by this Board of Trustees of the Oxnard School District, County of Ventura, California, as follows:

Section 1. Recitals. All of the above recitals are true and correct and the Board of Trustees so finds and determines.

Section 2. Determination. This Board of Trustees hereby determines that prudent management of the fiscal affairs of the District requires that, subject to the provisions of Section 4 hereof, the District issue one or more Series of Refunding Bonds under the provisions of the Act to refund all or a portion of the Prior Bonds.

Section 3. Authorization and Designation of Refunding Bonds. Subject to the provisions of Section 4 hereof, the issuance from time to time (but not later than one year from the date of adoption hereof) of one or more Series of Refunding Bonds, in the aggregate principal amount of not to exceed \$18,000,000, on the terms and conditions set forth, and subject to the limitations specified, herein, is hereby authorized and approved. Each Series of Refunding Bonds shall be dated, shall accrue interest at the rates, shall mature on the dates, and shall be as otherwise provided in the related Bond Purchase Agreement, as the same shall be completed as provided in this Resolution.

Section 4. Sale of Bonds. Because of the need for flexibility in timing the sale of the Refunding Bonds in order to achieve maximum interest cost savings, the Board of Trustees hereby determines to sell each Series of Refunding Bonds by a negotiated sale. The Bond Purchase Agreement, in substantially the form submitted to this meeting and made a part hereof as though set forth in full herein, be and the same is hereby approved. The President of this Board of Trustees, and such other member of this Board of Trustees as the President may designate, the Superintendent of the District and the Deputy Superintendent, Business and Fiscal Services of the District, and such other officer or employee of the District as the Superintendent may designate (the "Authorized Officers") are, and each of them is, hereby authorized, and any one of the Authorized Officers is hereby directed, for and in the name of the District, to execute and deliver one or more Bond Purchase Agreements in the form presented to this meeting, with such changes, insertions and omissions as the Authorized Officer executing the same may require or approve, such requirement or approval to be conclusively evidenced by the execution of the applicable Bond Purchase Agreement by such Authorized Officer; provided, however, that (i) no Series of Refunding Bonds shall be authorized in a principal amount which, when combined with the principal amount of all Series of Refunding Bonds previously authorized and issued pursuant hereto, is in excess of \$18,000,000, (ii) no Series of Refunding Bonds shall have a final maturity date later than the latest maturity date of the corresponding Refunded Bonds, (iii) the total net interest cost to maturity of each applicable Series of Refunding Bonds, plus the principal amount of such Series of Refunding Bonds, shall not be in excess of the total net interest cost to maturity of the applicable Refunded Bonds, plus the principal amount of such Refunded Bonds, and (iv) the underwriter's discount (not including any original issue discount) shall not exceed 1.00% of the aggregate principal amount of the corresponding Series of Refunding Bonds.

Section 5. Designated Costs of Issuing Refunding Bonds. The refunding of all or a portion of the Prior Bonds is hereby approved. Each such refunding shall be accomplished by paying the principal of and interest on the Prior Bonds due and payable through and including the

earliest practicable date for which notice of redemption can be given (the “Redemption Date”), if any, and redeeming such Prior Bonds on the Redemption Date and paying the redemption price therefor, plus accrued interest thereon to the Redemption Date. In accordance with Section 53553 of the Act, with respect to each Series of Refunding Bonds, this Board of Trustees hereby designates the following costs and expenses as the “designated costs of issuing the refunding bonds:”

(i) all expenses incident to the calling, retiring, or paying of the applicable Refunded Bonds and incident to the issuance of such Series of Refunding Bonds, including the charges of any escrow agent or trustee in connection with the issuance of such Series of Refunding Bonds or in connection with the redemption or retirement of such Refunded Bonds;

(ii) either (1) the interest upon such Series of Refunding Bonds from the date of sale of such Series of Refunding Bonds to the date upon which the applicable Refunded Bonds will be paid pursuant to call, or (2) the interest upon the applicable Refunded Bonds from the date of sale of such Series of Refunding Bonds to the date upon which the applicable Refunded Bonds will be paid pursuant to call, as shall be determined by an Authorized Officer to be in the best interest of the District and designated in the applicable Escrow Agreement, such determination to be conclusively evidenced by the execution of such Escrow Agreement by such Authorized Officer; and

(iii) any premium necessary in the calling or retiring of such Refunded Bonds.

Section 6. Escrow Agreement. The form of Escrow Agreement, in substantially the form submitted to this meeting and made a part hereof as though set forth in full herein, is hereby approved. The Authorized Officers are, and each of them is, hereby authorized, and any one of the Authorized Officers is hereby directed, for and in the name of the District, to execute and deliver one or more Escrow Agreements in the form presented to this meeting, with such changes, insertions and omissions as the Authorized Officer executing the same may require or approve, such requirement or approval to be conclusively evidenced by the execution of the applicable Escrow Agreement by such Authorized Officer.

Section 7. Form of Bonds; Execution. (a) *Form of Refunding Bonds.* Each Series of Refunding Bonds shall be issued in fully registered form without coupons. The Refunding Bonds, and the certificate of authentication and registration and the forms of assignment to appear on each of them, shall be in substantially the form attached hereto as Exhibit A, with necessary or appropriate variations, omissions and insertions as permitted or required by this Resolution.

(b) *Execution of Refunding Bonds.* The Refunding Bonds shall be signed by the manual or facsimile signature of the President of the Board of Trustees, and countersigned by the manual or facsimile signature of the Clerk of the Board of Trustees (or the designee of either such respective officers if the President or the Clerk of the Board of Trustees are unavailable). The Refunding Bonds shall be authenticated by a manual signature of a duly authorized signatory of the Paying Agent (as defined herein).

(c) *Valid Authentication.* Only such of the Refunding Bonds as shall bear thereon a certificate of authentication and registration as described in subsection (a) of this Section, executed by the Paying Agent, shall be valid or obligatory for any purpose or entitled to the benefits of this Resolution, and such certificate of authentication and registration shall be conclusive evidence that the Refunding Bonds so authenticated have been duly authenticated and delivered hereunder and are entitled to the benefits of this Resolution.

(d) *Identifying Number.* The Paying Agent shall assign each Refunding Bond authenticated and registered by it a distinctive letter, or number, or letter and number, and shall maintain a record thereof at its principal office, which record shall be available to the District and the County for inspection.

Section 8. Terms of Bonds. (a) *Date of Refunding Bonds.* Each Series of Refunding Bonds shall be dated the date of their delivery, or such other date as shall be set forth in the applicable Bond Purchase Agreement.

(b) *Denominations.* Each Series of Refunding Bonds shall be issued in denominations of \$5,000 principal amount or any integral multiple thereof, or such other denominations as shall be designated in the applicable Bond Purchase Agreement.

(c) *Maturity.* Each Series of Refunding Bonds shall mature on the date or dates, in each of the years, in the principal amounts and in the aggregate principal amount as shall be set forth in the applicable Bond Purchase Agreement. No Refunding Bond shall mature later than the latest maturity date of the corresponding Refunded Bonds. No Refunding Bond shall have principal maturing on more than one principal maturity date.

(d) *Interest.* Each Series of Refunding Bonds shall bear interest at an interest rate or rates not to exceed 12.00% per annum, payable on such semiannual dates of each year as shall be set forth in the applicable Bond Purchase Agreement, commencing on the date set forth in the applicable Bond Purchase Agreement (each, an “Interest Payment Date”), computed on the basis of a 360-day year of twelve 30-day months. Each Refunding Bond shall bear interest from the Interest Payment Date next preceding the date of authentication thereof, unless it is authenticated after the close of business on the 15th day of the calendar month immediately preceding such Interest Payment Date, whether or not such day is a business day, or such other date or dates as may be set forth in the Bond Purchase Agreement (each, a “Record Date”), and on or prior to such Interest Payment Date, in which event it shall bear interest from such Interest Payment Date, or unless it is authenticated on or before the Record Date preceding the first Interest Payment Date, in which event it shall bear interest from its dated date; provided, however, that if, at the time of authentication of any Refunding Bond, interest is in default on any outstanding Refunding Bonds of such Series, such Refunding Bond shall bear interest from the Interest Payment Date to which interest has previously been paid or made available for payment on the outstanding Refunding Bonds of such Series.

(e) *Tax Exempt of Taxable.* Each Series of Refunding Bonds may be issued such that the interest on such Series of Refunding Bonds is Tax-Exempt or such that the interest on such Series of Refunding Bonds is not Tax-Exempt. The term “Tax-Exempt” means, with respect to interest on any obligations of a state or local government, that such interest is excluded from the

gross income of the holders thereof for federal income tax purposes, whether or not such interest is includable as an item of tax preference or otherwise includable directly or indirectly for purposes of calculating other tax liabilities, including any alternative minimum tax or environmental tax under the Internal Revenue Code of 1986 (the "Code"). The term "Taxable Bonds" means those Refunding Bonds the interest on which is not Tax-Exempt. The Board of Trustees hereby finds and determines that, pursuant to Section 5903 of the California Government Code, the interest payable on each Series of Refunding Bonds issued as Taxable Bonds will be subject to federal income taxation under the Code in existence on the date of issuance of such Series of Refunding Bonds..

Section 9. Payment of Bonds. (a) *Request for Tax Levy.* The money for the payment of principal, redemption premium, if any, and interest on each Series of Refunding Bonds, and fees and expenses of the paying agent as permitted by Section 15232 of the Education Code, shall be raised by taxation upon all taxable property in the District and provision shall be made for the levy and collection of such taxes in the manner provided by law and for such payment out of the interest and sinking fund of the District. The Board of Supervisors and officers of the County are obligated by statute to provide for the levy and collection of property taxes in each year sufficient to pay all principal and interest coming due on each Series of Refunding Bonds in such year, and to pay from such taxes all amounts due on such Refunding Bonds. The Board of Supervisors, the Auditor-Controller, the Treasurer and other officials of the County are hereby requested to take and authorize such actions as may be necessary pursuant to law to provide for the levy and collection of a property tax on all taxable property of the District sufficient to provide for payment of all principal of and interest on each Series of Refunding Bonds, and all fees and expenses of the paying agent as permitted by Section 15232 of the Education Code, as the same shall become due and payable, and to apply moneys in the District's interest and sinking fund as necessary to the payment of such Series of Refunding Bonds, as provided herein, and to provide for the payment of any portion of any Prior Bonds which are to remain outstanding pursuant to the authorizing resolution or paying agent agreement, as applicable, under which such bonds were issued. The Authorized Officers are, and each of them is, hereby authorized, and any one of the Authorized Officers is hereby directed, (i) to transmit a certified copy of this Resolution and the debt service schedule for each Series of Refunding Bonds to the Board of Supervisors, the Auditor-Controller and the Treasurer in sufficient time to permit the County to establish tax rates and necessary funds or accounts for each Series of Refunding Bonds, and (ii) to formally request that the Board of Supervisors adopt a resolution to levy the appropriate taxes as herein provided.

(b) *Principal.* The principal of each Series of Refunding Bonds shall be payable in lawful money of the United States of America to the person whose name appears on the books for the registration and transfer of the Refunding Bonds maintained by the Paying Agent in accordance with Section 11(d) hereof (the "Registration Books") as the registered Owner thereof (the "Owner"), upon the surrender thereof at the principal corporate trust office of the Paying Agent.

(c) *Interest; Record Date.* The interest on each Series of Refunding Bonds shall be payable on each Interest Payment Date in lawful money of the United States of America to the Owner thereof as of the Record Date preceding such Interest Payment Date, such interest to be paid by check or draft mailed on such Interest Payment Date (if a business day, or on the next business day if the Interest Payment Date does not fall on a business day) to such Owner at such Owner's address as it appears on the Registration Books or at such address as the Owner may have

filed with the Paying Agent for that purpose except that the payment shall be made by wire transfer of immediately available funds to any Owner of at least \$1,000,000 of outstanding Refunding Bonds of a Series who shall have requested in writing such method of payment of interest prior to the close of business on the Record Date immediately preceding any Interest Payment Date.

(d) *Interest and Sinking Fund.* Principal and interest due on each Series of Refunding Bonds shall be paid from the interest and sinking fund of the District as provided in Section 15146 of the California Education Code.

(e) *Obligation of the District.* No part of any fund or account of the County is pledged or obligated to the payment of the Refunding Bonds. The obligation for repayment of the Refunding Bonds is the sole obligation of the District.

(f) *Pledge of Taxes.* The District hereby pledges all revenues from the property taxes collected from the levy by the Board of Supervisors of the County for the payment of Bonds (as defined below) of the District and amounts on deposit in the interest and sinking fund of the District to the payment of the principal or redemption price of and interest on the Bonds. This pledge shall be valid and binding from the date hereof for the benefit of the owners of the Bonds and successors thereto. The property taxes and amounts held in the interest and sinking fund shall be immediately subject to this pledge, and the pledge shall constitute a lien and security interest which shall immediately attach to the property taxes and amounts held in the interest and sinking fund to secure the payment of the Bonds and shall be effective, binding, and enforceable against the District, its successors, creditors and all others irrespective of whether those parties have notice of the pledge and without the need of any physical delivery, recordation, filing, or further act. The pledge is an agreement between the District and the owners of Bonds to provide security for the Bonds in addition to any statutory lien that may exist, and the Bonds secured by the pledge are or were issued to finance (or refinance) one or more of the projects specified in the applicable voter-approved measure. "Bonds" for purpose of this pledge means all bonds, including refunding bonds, of the District heretofore or hereafter issued pursuant to voter approved measures of the District, including bonds approved by the voters of the District on November 7, 2006, as all such Bonds are required by State law to be paid from the interest and sinking fund of the District..

(g) *Insurance.* The payment of principal of and interest on all or a portion of any Series of Refunding Bonds may be secured by a municipal bond insurance policy as shall be described in the applicable Bond Purchase Agreement. The applicable Bond Purchase Agreement may provide that no municipal bond insurance policy shall be obtained. The Authorized Officers are each hereby authorized and directed to apply for, or cause to be applied for, municipal bond insurance for each Series of Refunding Bonds and to obtain such insurance if doing so puts such Series of Refunding Bonds (or portion thereof) and the marketing thereof on a economically advantageous basis, and is deemed to be in the best interests of the District. The Authorized Officers are each hereby authorized and directed, for and in the name and on behalf of the District, to execute and deliver a contract or contracts for such insurance if such contract is deemed by the Authorized Officer executing the same to be in the best interests of the District, such determination to be conclusively evidenced by such Authorized Officer's execution and delivery of such contract. If the Authorized Officers so deem and obtain municipal bond insurance, and such insurance is issued by a mutual insurance company, the Authorized Officers are each hereby authorized and directed to enter into any required mutual insurance agreement substantially in such insurer's

standard form with such changes, insertions and omissions therein as the Authorized Officer executing the same may require or approve, such requirement or approval to be conclusively evidenced by the execution of such agreement by such Authorized Officer.

Section 10. Redemption Provisions. (a) *Optional Redemption.* Each Series of Refunding Bonds may be subject to redemption, at the option of the District, on the dates and terms as shall be designated in the applicable Bond Purchase Agreement. The applicable Bond Purchase Agreement may provide that the related Series of Refunding Bonds shall not be subject to optional redemption.

(b) *Selection.* If less than all of a Series of Refunding Bonds, if any, are subject to such redemption and are called for redemption, such Refunding Bonds shall be redeemed as directed by the District, or if not so directed, in inverse order of maturities (or as otherwise set forth in the Bond Purchase Agreement), and if less than all of the Refunding Bonds of any given maturity of a Series are called for redemption, the portions of such Refunding Bonds of a given maturity to be redeemed shall be determined by lot (or as otherwise set forth in the Bond Purchase Agreement).

(c) *Mandatory Sinking Fund Redemption.* The Refunding Bonds, if any, which are designated in a Bond Purchase Agreement as term bonds shall also be subject to redemption prior to their stated maturity dates, without a redemption premium, in part by lot (or as otherwise set forth in the applicable Bond Purchase Agreement), from mandatory sinking fund payments in the amounts and in accordance with the terms to be specified in such Bond Purchase Agreement. Unless otherwise provided in the applicable Bond Purchase Agreement, the principal amount of each mandatory sinking fund payment of any maturity shall be reduced proportionately or as otherwise directed by the District by the amount of any Refunding Bonds of that maturity redeemed in accordance with subsection (a) of this Section prior to the mandatory sinking fund payment date. The applicable Bond Purchase Agreement may provide that the Refunding Bonds of a Series shall not be subject to mandatory sinking fund redemption. The Auditor-Controller is hereby authorized to create such sinking funds or accounts for the term Refunding Bonds as shall be necessary to accomplish the purposes of this Section.

(d) *Notice of Redemption.* Notice of any redemption of the Refunding Bonds of a Series shall be mailed by the Paying Agent, postage prepaid, not less than 30 nor more than 60 days prior to the redemption date (i) by first class mail to the County and the respective Owners thereof at the addresses appearing on the Registration Books, and (ii) as may be further required in accordance with the applicable Continuing Disclosure Certificate.

Each notice of redemption shall state (i) the date of such notice; (ii) the name of the Series of Refunding Bonds and the date of issue of such Series of Refunding Bonds; (iii) the redemption date; (iv) the redemption price; (v) the dates of maturity or maturities of Refunding Bonds to be redeemed; (vi) if less than all of the Refunding Bonds of any maturity of a Series are to be redeemed, the distinctive numbers of the Refunding Bonds of each maturity of such Series to be redeemed; (vii) in the case of Refunding Bonds of a Series redeemed in part only, the respective portions of the principal amount of the Refunding Bonds of each maturity of such Series to be redeemed; (viii) the CUSIP number, if any, of each maturity of Refunding Bonds to be redeemed; (ix) a statement that such Refunding Bonds must be surrendered by the Owners at the principal corporate trust office of the Paying Agent, or at such other place or places designated by the Paying

Agent; (x) notice that further interest on such Refunding Bonds will not accrue after the designated redemption date; and (xi) in the case of a conditional notice, that such notice is conditioned upon certain circumstances and the manner of rescinding such conditional notice.

(e) *Effect of Notice.* A certificate of the Paying Agent that notice of redemption has been given to Owners as herein provided shall be conclusive as against all parties. Neither the failure to receive the notice of redemption as provided in this Section, nor any defect in such notice shall affect the sufficiency of the proceedings for the redemption of the Refunding Bonds called for redemption or the cessation of interest on the date fixed for redemption.

When notice of redemption has been given substantially as provided for herein, and when the redemption price of the Refunding Bonds called for redemption is set aside for the purpose as described in subsection (g) of this Section, the Refunding Bonds designated for redemption shall become due and payable on the specified redemption date and interest shall cease to accrue thereon as of the redemption date, and upon presentation and surrender of such Refunding Bonds at the place specified in the notice of redemption, such Refunding Bonds shall be redeemed and paid at the redemption price thereof out of the money provided therefor. The Owners of such Refunding Bonds so called for redemption after such redemption date shall be entitled to payment thereof only from the interest and sinking fund or the trust fund established for such purpose. All Refunding Bonds redeemed shall be cancelled forthwith by the Paying Agent and shall not be reissued.

(f) *Right to Rescind Notice.* The District may rescind any optional redemption and notice thereof for any reason on any date prior to the date fixed for redemption by causing written notice of the rescission to be given to the owners of the Refunding Bonds so called for redemption. Any optional redemption and notice thereof shall be rescinded if for any reason on the date fixed for redemption moneys are not available in the interest and sinking fund or otherwise held in trust for such purpose in an amount sufficient to pay in full on said date the principal of, interest, and any premium due on the Refunding Bonds called for redemption. Notice of rescission of redemption shall be given in the same manner in which notice of redemption was originally given. The actual receipt by the owner of any Refunding Bond of notice of such rescission shall not be a condition precedent to rescission, and failure to receive such notice or any defect in such notice shall not affect the validity of the rescission.

(g) *Funds for Redemption.* Prior to or on the redemption date of any Refunding Bonds there shall be available in the interest and sinking fund of the District, or held in trust for such purpose as provided by law, monies for the purpose and sufficient to redeem, at the redemption prices as in this Resolution provided, the Refunding Bonds designated in the notice of redemption. Such monies shall be applied on or after the redemption date solely for payment of principal of, interest and premium, if any, on the Refunding Bonds to be redeemed upon presentation and surrender of such Refunding Bonds, provided that all monies in the interest and sinking fund of the District shall be used for the purposes established and permitted by law. Any interest due on or prior to the redemption date shall be paid from the interest and sinking fund of the District, unless otherwise provided to be paid from such monies held in trust. If, after all of the Refunding Bonds have been redeemed and cancelled or paid and cancelled, there are monies remaining in the interest and sinking fund of the District or otherwise held in trust for the payment of redemption price of the Refunding Bonds, the monies shall be held in or returned or transferred to the interest

and sinking fund of the District for payment of any outstanding bonds of the District payable from such fund; provided, however, that if the monies are part of the proceeds of bonds of the District, the monies shall be transferred to the fund created for the payment of principal of and interest on such bonds. If no such bonds of the District are at such time outstanding, the monies shall be transferred to the general fund of the District as provided and permitted by law.

(h) *Defeasance of Refunding Bonds.* If at any time the District shall pay or cause to be paid or there shall otherwise be paid to the Owners of any or all of the outstanding Refunding Bonds of a Series all or any part of the principal, interest and premium, if any, on such Refunding Bonds at the times and in the manner provided herein and in such Refunding Bonds, or as provided in the following paragraph, or as otherwise provided by law consistent herewith, then such Owners of such Refunding Bonds shall cease to be entitled to the obligation of the District as provided in Section 9 hereof, and such obligation and all agreements and covenants of the District and of the County to such Owners hereunder and under such Refunding Bonds shall thereupon be satisfied and discharged and shall terminate, except only that the District shall remain liable for payment of all principal, interest and premium, if any, represented by such Refunding Bonds, but only out of monies on deposit in the interest and sinking fund or otherwise held in trust for such payment; and provided further, however, that the provisions of subsection (i) of this Section shall apply in all events.

For purposes of this Section, the District may pay and discharge any or all of the Refunding Bonds of a Series by depositing in trust with the Paying Agent or an escrow agent, selected by the District, at or before maturity, money and/or non-callable direct obligations of the United States of America (including zero interest bearing State and Local Government Series) or other non-callable obligations the payment of the principal of and interest on which is guaranteed by a pledge of the full faith and credit of the United States of America, in an amount which will, together with the interest to accrue thereon and available monies then on deposit in the interest and sinking fund of the District, be fully sufficient to pay and discharge the indebtedness on such Refunding Bonds (including all principal, interest and redemption premiums) at or before their respective maturity dates.

(i) *Unclaimed Monies.* Any money held in any fund created pursuant to this Resolution, or by the Paying Agent or an escrow agent in trust, for the payment of the principal of, redemption premium, if any, or interest on a Series of Refunding Bonds and remaining unclaimed for two years after the principal of all of such Series of Refunding Bonds has become due and payable (whether by maturity or upon prior redemption) shall be transferred to the interest and sinking fund of the District for payment of any outstanding bonds of the District payable from the fund; or, if no such bonds of the District are at such time outstanding, the monies shall be transferred to the general fund of the District as provided and permitted by law.

Section 11. Paying Agent. (a) *Appointment; Payment of Fees and Expenses.* This Board of Trustees does hereby consent to and confirm the appointment of U.S. Bank National Association, to act as the initial paying agent, registrar, authenticating agent and transfer agent (the "Paying Agent") for each Series of Refunding Bonds. All fees and expenses of the Paying Agent shall be the sole responsibility of the District, and to the extent not paid from the proceeds of sale of the applicable Series of Refunding Bonds, or from the interest and sinking fund of the District,

insofar as permitted by law, including specifically by Section 15232 of the California Education Code, such fees and expenses shall be paid by the District.

(b) *Resignation, Removal and Replacement of Paying Agent.* The Paying Agent initially appointed or any successor Paying Agent may resign from service as Paying Agent and may be removed at any time by the District as provided in the Paying Agent's service agreement. If at any time the Paying Agent shall resign or be removed, the District shall appoint a successor Paying Agent, which shall be any bank, trust company, national banking association or other financial institution doing business in and having a corporate trust office in California, with at least \$100,000,000 in net assets.

(c) *Principal Corporate Trust Office.* The initial Paying Agent, and any successor Paying Agent, shall designate each place or places where it will conduct the functions of transfer, registration, exchange, payment, and surrender of the Bonds, and any reference herein to the "principal corporate trust office" of the Paying Agent shall mean the office so designated for a particular purpose. If no office is so designated for a particular purpose, such functions shall be conducted at the office of U.S. Bank National Association, in Los Angeles, California, or the principal corporate trust office of any successor Paying Agent.

(d) *Registration Books.* The Paying Agent shall keep or cause to be kept at its principal corporate trust office sufficient books for the registration and transfer of the Refunding Bonds, which shall at all times be open to inspection by the District and the County, and, upon presentation for such purpose, the Paying Agent shall, under such reasonable regulations as it may prescribe, register or transfer or cause to be registered or transferred on the Registration Books, Refunding Bonds as provided in Sections 12 and 13 hereof. The Paying Agent shall keep accurate records of all funds administered by it and of all Refunding Bonds paid and discharged by it. Such records shall be provided, upon reasonable request, to the District or the County in a format mutually agreeable to the Paying Agent and the District and/or the County.

(e) *Merger or Consolidation.* Any bank, national banking association or trust company into which the Paying Agent may be merged or converted or with which it may be consolidated or any bank, national banking association or trust company resulting from any merger, conversion or consolidation to which it shall be a party or any bank, national banking association or trust company to which the Paying Agent may sell or transfer all or substantially all of its corporate trust business, provided such bank, national banking association or trust company shall be eligible under subsection (b) of this Section shall be the successor to such Paying Agent, without the execution or filing of any instrument or any further act, deed or conveyance on the part of any of the parties hereto, anything herein to the contrary notwithstanding.

Section 12. Transfer Under Book-Entry System; Discontinuation of Book-Entry System. (a) Unless otherwise specified in the applicable Bond Purchase Agreement, The Depository Trust Company, a limited-purpose trust company organized under the laws of the State of New York, and its successors as securities depository for a Series of Refunding Bonds, including any such successor thereto appointed pursuant to this Section ("DTC"), is hereby appointed depository for each Series of Refunding Bonds and each Series of Refunding Bonds shall be issued in book-entry form only, and shall be initially registered in the name of "Cede & Co.," as nominee of DTC ("Cede & Co."). One bond certificate shall be issued for each maturity of each Series of

Refunding Bonds; provided, however, that if different CUSIP numbers are assigned to Refunding Bonds of a Series maturing in a single year or, if Refunding Bonds of a Series maturing in a single year are issued with different interest rates, additional bond certificates shall be prepared for each such maturity. Registered ownership of such Refunding Bonds of each such maturity, or any portion thereof, may not thereafter be transferred except as provided in this Section or Section 13 hereof:

(i) To any successor of DTC, or its nominee, or to any substitute depository designated pursuant to clause (ii) of this Section (a “substitute depository”); provided, however that any successor of DTC, as nominee of DTC or substitute depository, shall be qualified under any applicable laws to provide the services proposed to be provided by it;

(ii) To any substitute depository not objected to by the District, upon (1) the resignation of DTC or its successor (or any substitute depository or its successor) from its functions as depository, or (2) a determination by the District to substitute another depository for DTC (or its successor) because DTC or its successor (or any substitute depository or its successor) is no longer able to carry out its functions as depository; provided, that any such substitute depository shall be qualified under any applicable laws to provide the services proposed to be provided by it; or

(iii) To any person as provided below, upon (1) the resignation of DTC or its successor (or substitute depository or its successor) from its functions as depository; provided that no substitute depository which is not objected to by the District can be obtained, or (2) a determination by the District that it is in the best interests of the District to remove DTC or its successor (or any substitute depository or its successor) from its functions as depository.

(b) In the case of any transfer pursuant to clause (i) or clause (ii) of subsection (a) of this Section, upon receipt of the outstanding Refunding Bonds by the Paying Agent, together with a written request of the District to the Paying Agent, a new Refunding Bond for each maturity of each Series shall be executed and delivered (in the aggregate principal amount of such Refunding Bonds then outstanding), registered in the name of such successor or such substitute depository, or their nominees, as the case may be, all as specified in such written request of the District. In the case of any transfer pursuant to clause (iii) of subsection (a) of this Section, upon receipt of the outstanding Refunding Bonds by the Paying Agent together with a written request of the District to the Paying Agent, new Refunding Bonds shall be executed and delivered in such denominations, numbered in the manner determined by the Paying Agent, and registered in the names of such persons, as are requested in such written request of the District, subject to the limitations of Section 8 hereof and the receipt of such a written request of the District, and thereafter, the Refunding Bonds shall be transferred pursuant to the provisions set forth in Section 13 hereof; provided, however, that the Paying Agent shall not be required to deliver such new Refunding Bonds within a period of less than 60 days after the receipt of any such written request of the District.

(c) In the case of partial redemption or an advance refunding of a Series of Refunding Bonds evidencing all or a portion of the principal amount then outstanding, DTC shall make an

appropriate notation on the Refunding Bonds of such Series indicating the date and amounts of such reduction in principal.

(d) The District and the Paying Agent shall be entitled to treat the person in whose name any Refunding Bond is registered as the owner thereof, notwithstanding any notice to the contrary received by the District or the Paying Agent; and the District and the Paying Agent shall have no responsibility for transmitting payments to, communicating with, notifying, or otherwise dealing with any beneficial owners of the Refunding Bonds, and neither the District nor the Paying Agent shall have any responsibility or obligation, legal or otherwise, to the beneficial owners or to any other party, including DTC or its successor (or substitute depository or its successor), except for the Owner of any Refunding Bonds.

(e) So long as the outstanding Refunding Bonds are registered in the name of Cede & Co. or its registered assigns, the District and the Paying Agent shall cooperate with Cede & Co., as sole registered Owner, or its registered assigns in effecting payment of the principal of and interest on the Refunding Bonds by arranging for payment in such manner that funds for such payments are properly identified and are made immediately available on the date they are due.

Section 13. Transfer and Exchange. (a) *Transfer.* Following the termination or removal of DTC or successor depository pursuant to Section 12 hereof, or upon the initial delivery of a Series of Refunding Bonds not registered in the name of Cede & Co., as nominee of DTC, any Refunding Bond may, in accordance with its terms, be transferred, upon the Registration Books, by the Owner thereof, in person or by the duly authorized attorney of such Owner, upon surrender of such Refunding Bond to the Paying Agent for cancellation, accompanied by delivery of a duly executed written instrument of transfer in a form approved by the Paying Agent.

Whenever any Refunding Bond or Refunding Bonds shall be surrendered for transfer, the designated District officials shall execute and the Paying Agent shall authenticate and deliver, as provided in Section 7 hereof, a new Refunding Bond or Refunding Bonds, of the same series, maturity, interest payment dates and interest rate or rates (for a like aggregate principal amount). The Paying Agent may require the payment by any Owner of Refunding Bonds requesting any such transfer of any tax or other governmental charge required to be paid with respect to such transfer.

No transfer of any Refunding Bond shall be required to be made by the Paying Agent (i) during the period established by the Paying Agent for selection of the applicable Series of Refunding Bonds for redemption, and (ii) after any Refunding Bond has been selected for redemption.

(b) *Exchange.* The Refunding Bonds of a Series may be exchanged for Refunding Bonds of other authorized denominations of the same series, maturity, interest payment dates and interest rate or rates, by the Owner thereof, in person or by the duly authorized attorney of such Owner, upon surrender of such Refunding Bond to the Paying Agent for cancellation, accompanied by delivery of a duly executed request for exchange in a form approved by the Paying Agent.

Whenever any Refunding Bond or Refunding Bonds shall be surrendered for exchange, the designated District officials shall execute and the Paying Agent shall authenticate and deliver, as

provided in Section 7 hereof, a new Refunding Bond or Refunding Bonds of the same series, maturity, interest payment dates and interest rate or rates (for a like aggregate principal amount). The Paying Agent may require the payment by the Owner requesting such exchange of any tax or other governmental charge required to be paid with respect to such exchange.

No exchange of any Refunding Bonds shall be required to be made by the Paying Agent (i) during the period established by the Paying Agent for selection of the Refunding Bonds for redemption, and (ii) after any Refunding Bond has been selected for redemption.

Section 14. Continuing Disclosure Certificate. The form of Continuing Disclosure Certificate, in substantially the form submitted to this meeting and made a part hereof as though set forth in full herein, is hereby approved. The Authorized Officers are, and each of them is, hereby authorized, and any one of the Authorized Officers is hereby directed, for and in the name of the District, to execute and deliver one or more Continuing Disclosure Certificates in substantially said form, with such changes therein as the Authorized Officer executing the same may require or approve, such approval to be conclusively evidenced by the execution of the applicable Continuing Disclosure Certificate by such Authorized Officer.

Section 15. Tax Covenants. (a) The District shall not take any action, or fail to take any action, if such action or failure to take such action would adversely affect the exclusion from gross income of the interest payable on a Tax-Exempt Series of Refunding Bonds under Section 103 of the Code. Without limiting the generality of the foregoing, the District hereby covenants that it will comply with the requirements of the Tax Certificate (each, a “Tax Certificate”) to be executed by the District on the date of issuance of each Tax-Exempt Series of Refunding Bonds. The provisions of this subsection (a) shall survive payment in full or defeasance of the Refunding Bonds.

(b) In the event that at any time the District is of the opinion that for purposes of this Section it is necessary or helpful to restrict or limit the yield on the investment of any monies held by the Treasurer on behalf of the District, in accordance with this Resolution or pursuant to law, the District shall so request of the Treasurer in writing, and the District shall make its best efforts to ensure that the Treasurer shall take such action as may be necessary in accordance with such instructions.

(c) Notwithstanding any provision of this Section, if the District shall provide to the Treasurer an opinion of counsel of nationally recognized standing in the field of law relating to municipal bonds (“Opinion of Bond Counsel”) that any specified action required under this Section is no longer required or that some further or different action is required to maintain the exclusion from federal income tax of interest on the Tax-Exempt Series of Refunding Bonds under Section 103 of the Code, the Treasurer may conclusively rely on such Opinion of Bond Counsel in complying with the requirements of this Section and of the Tax Certificate, and the covenants hereunder shall be deemed to be modified to that extent.

Section 16. Cost of Issuance. The Authorized Officers are each hereby authorized to cause to be deposited in a costs of issuance account, which may be held by a bank, national banking association or trust company meeting the qualifications necessary to be a paying agent set forth in Section 11, as cost of issuance administrator, proceeds of the sale of each Series of Refunding

Bonds, in an amount as shall be set forth in the applicable Bond Purchase Agreement, for the purposes of paying the costs associated with the issuance of such Series of Refunding Bonds.

Section 17. Professional Services. In connection with the issuance of Refunding Bonds, Caldwell Flores Winters, Inc. is hereby appointed to serve as Financial Advisor to the District, Orrick, Herrington & Sutcliffe LLP is hereby appointed to serve as Bond Counsel and Disclosure Counsel to the District, and Stifel, Nicolaus & Company, Incorporated is hereby appointed to serve as the Underwriter for the Refunding Bonds.

Section 18. Delegation of Authority. The officers and employees of the District are, and each of them hereby is, authorized and directed to execute and deliver, for and on behalf of the District, any and all documents and instruments and to do and cause to be done any and all acts and things necessary or advisable in order to consummate the transactions contemplated by this Resolution and otherwise to carry out, give effect to and comply with the terms and intent of this Resolution.

Section 19. Approval of Actions. All actions heretofore taken by the officers and employees of the District with respect to the issuance and sale of the Refunding Bonds, or in connection with or related to any of the agreements or documents referred to herein, are hereby approved, confirmed and ratified.

Section 20. Contract with Bondholders. The provisions of this Resolution shall be a contract with each and every owner of Bonds and the duties of the District and of the Board of Trustees and the officers of the District shall be enforceable by any owner of Bonds by mandamus or other appropriate suit, action or proceeding in any court of competent jurisdiction.

Section 21. Amendments. This Resolution may be modified or amended without the consent of the Owners in order to cure ambiguities or provide clarification, provided that such modification or amendment does not materially adversely affect the rights of owners of Bonds. For any other purpose, this Resolution may be modified or amended only with the consent of the Owners of a majority of the aggregate principal amount of all Refunding Bonds then outstanding; provided that any such modification or amendment to Section 9(f) or Section 20 shall require the consent of the owners of a majority of the aggregate principal amount of all Bonds then outstanding. No such modification or amendment shall extend the maturity of, reduce the interest rate or redemption premium on or principal amount of any Refunding Bond or reduce the percentage of consent required for amendment hereof without the express consent of all the owners so affected.

Section 22. Interpretation. The terms of this Resolution shall be interpreted broadly to effect the purpose of providing broad and clear authority for the officers and employees of the District to provide for the issuance of, and issue, from time to time, one or more Series of Refunding Bonds in accordance with the provisions of the documents described herein and the Act on the terms set forth in this Resolution.

Section 23. Effective Date. This Resolution shall take effect from and after its date of adoption.

PASSED AND ADOPTED this day, August 3, 2016.

President of the Board of Trustees of the
Oxnard School District

ATTEST:

Clerk of the Board of Trustees of the
Oxnard School District

CLERK'S CERTIFICATE

I, Debra Cordes, Clerk of the Board of Trustees of the Oxnard School District, County of Ventura, California, hereby certify that the foregoing is a full, true and correct copy of Resolution #16-06 duly adopted at a regular meeting of the Board of Trustees of said District duly and regularly held at the regular meeting place thereof on August 3, 2016, and entered in the minutes thereof, of which meeting all of the members of the Board of Trustees had due notice and at which a quorum thereof was present, and that at said meeting the resolution was adopted by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

An agenda of the meeting was posted at least 72 hours before the meeting at 1051 South A Street, Oxnard, California, a location freely accessible to members of the public, and a brief description of the resolution appeared on the agenda.

I further certify that I have carefully compared the same with the original minutes of said meeting on file and of record in my office; the foregoing resolution is a full, true and correct copy of the original resolution adopted at said meeting and entered in said minutes; and that said resolution has not been amended, modified or rescinded since the date of its adoption, and the same is now in full force and effect.

Dated: August 3, 2016

Clerk of the Board of Trustees of the
Oxnard School District

EXHIBIT A

FORM OF REFUNDING BOND

Number **UNITED STATES OF AMERICA** **Amount**
R-__ **STATE OF CALIFORNIA** **\$ _____**
COUNTY OF VENTURA

OXNARD SCHOOL DISTRICT
(VENTURA COUNTY, CALIFORNIA)
GENERAL OBLIGATION REFUNDING BONDS, SERIES 2016

Maturity Date Interest Rate Dated as of CUSIP No.
August 1, 20__ % ____, 20__ _____

Registered Owner: CEDE & CO.

Principal Amount: _____ DOLLARS

Oxnard School District, County of Ventura, State of California (the "District"), acknowledges itself obligated to and promises to pay to the Registered Owner identified above or registered assigns (the "Registered Owner"), on the Maturity Date set forth above or upon prior redemption hereof, the Principal Amount specified above in lawful money of the United States of America, and to pay interest thereon in like lawful money from the interest payment date next preceding the date of authentication of this Bond (unless this bond is authenticated after the close of business on a Record Date (as defined herein) and on or prior to the succeeding interest payment date, in which event it shall bear interest from such interest payment date, or unless this Bond is authenticated on or before ____ 15, 20__, in which event it shall bear interest from the date hereof) at the Interest Rate per annum stated above, payable commencing on _____ 1, 20__, and thereafter on February 1 and August 1 in each year, until payment of the Principal Amount. This Bond is issued pursuant to a Resolution adopted by the Board of Trustees of the District on August 3, 2016 (the "Resolution"). Capitalized undefined terms used herein have the meanings ascribed thereto in the Resolution.

The principal hereof is payable to the Registered Owner hereof upon the surrender hereof at the principal corporate trust office of the paying agent/registrars and transfer agent of the District (the "Paying Agent"), initially U.S. Bank National Association. The interest hereon is payable to the person whose name appears on the bond registration books of the Paying Agent as the Registered Owner hereof as of the close of business on the 15th day of the month preceding an interest payment date (the "Record Date"), whether or not such day is a business day, such interest to be paid by check or draft mailed to such Registered Owner at the owner's address as it appears on such registration books, or at such other address filed with the Paying Agent for that purpose. Upon written request, given no later than the Record Date immediately preceding an interest payment date, of the owner of Refunding Bonds aggregating at least \$1,000,000 in principal

amount, interest will be paid by wire transfer in immediately available funds to an account maintained in the United States as specified by the Registered Owner in such request. So long as Cede & Co. or its registered assigns shall be the Registered Owner of this Bond, payment shall be made in immediately available funds as provided in the Resolution hereinafter described.

This Bond is one of a duly authorized issue of bonds of like tenor (except for such variations, if any, as may be required to designate varying series, numbers, denominations, interest rates, maturities and redemption provisions), in the aggregate principal amount of \$_____, and designated as “Oxnard School District (Ventura County, California) General Obligation Refunding Bonds, Series 2016” (the “Bonds”). The Bonds were authorized by the Resolution and are issued pursuant to Articles 9 and 11 of Chapter 3 of Part 1 of Division 2 of Title 5 of the California Government Code, and other applicable law. The Bonds are issued and sold by the Board of Trustees of the District pursuant to and in strict conformity with the provisions of the Constitution and laws of the State, and of the Resolution, and subject to the more particular terms specified in the Bond Purchase Agreement, dated _____, 2016 (the “Bond Purchase Agreement”), by and between the District and Stifel, Nicolaus & Company, Incorporated.

The Bonds are issuable as fully registered bonds without coupons in the denomination of \$5,000 principal amount or any integral multiple thereof, provided that no Bond shall have principal maturing on more than one principal maturity date. Subject to the limitations and conditions and upon payment of the charges, if any, as provided in the Resolution, Bonds may be exchanged for a like aggregate principal amount of Bonds of the same tenor and maturity of other authorized denominations.

This Bond is transferable by the Registered Owner hereof, in person or by attorney duly authorized in writing, at the principal corporate trust office of the Paying Agent, but only in the manner, subject to the limitations and upon payment of the charges provided in the Resolution, and upon surrender and cancellation of this Bond. Upon such transfer, a new Bond or Bonds of authorized denomination or denominations of the same tenor, interest payments, and same aggregate principal amount will be issued to the transferee in exchange herefor.

The District and the Paying Agent may treat the Registered Owner hereof as the absolute owner hereof for all purposes, and the District and the Paying Agent shall not be affected by any notice to the contrary.

The Bonds are subject to redemption on the terms and subject to the conditions specified in the Resolution and the Bond Purchase Agreement. If this Bond is called for redemption and payment is duly provided therefor, interest shall cease to accrue hereon from and after the date fixed for redemption.

The Board of Trustees of the District hereby certifies and declares that the total amount of indebtedness of the District, including the amount of this Bond, is within the limit provided by law; that all acts, conditions and things required by law to be done or performed precedent to and in the issuance of this Bond have been done and performed in strict conformity with the laws authorizing the issuance of this Bond; and that this Bond is in substantially the form prescribed by order of the Board of Trustees duly made and entered on its minutes. The Bonds represent an obligation payable out of the interest and sinking fund of the District, and the money for the

payment of principal of, premium, if any, and interest hereon, shall be raised by taxation upon the taxable property of the District.

Unless this Bond is presented by an authorized representative of The Depository Trust Company, a New York corporation (“DTC”), to the Paying Agent for registration of transfer, exchange, or payment, and any Bond issued is registered in the name of Cede & Co. or in such other name as is requested by an authorized representative of DTC (and any payment is made to Cede & Co. or to such other entity as is requested by an authorized representative of DTC), ANY TRANSFER, PLEDGE, OR OTHER USE HEREOF FOR VALUE OR OTHERWISE BY OR TO ANY PERSON IS WRONGFUL inasmuch as the Registered Owner hereof, Cede & Co., has an interest herein.

This Bond shall not be entitled to any benefit under the Resolution, or become valid or obligatory for any purpose, until the certificate of authentication and registration hereon endorsed shall have been signed by the Paying Agent.

IN WITNESS WHEREOF, the Board of Trustees of the Oxnard School District, County of Ventura, State of California, has caused this bond to be signed by its President and countersigned by the Clerk of said Board, as of the date set forth above.

President of the Board of Trustees of the
Oxnard School District

Countersigned:

Clerk of the Board of Trustees of the
Oxnard School District

CERTIFICATE OF AUTHENTICATION AND REGISTRATION

This is one of the Bonds described in the within-mentioned Resolution and authenticated and registered on _____.

**U.S. BANK NATIONAL
ASSOCIATION, as agent**

By: _____
Authorized Officer

ASSIGNMENT

For value received the undersigned do(es) hereby sell, assign and transfer unto _____ the within-mentioned Bond and hereby irrevocably constitute(s) and appoint(s) _____ attorney, to transfer the same on the books of the Paying Agent with full power of substitution in the premises.

I.D. Number

Note: The signature(s) on this Assignment must correspond with the name(s) as written on the face of the within Bond in every particular, without alteration or enlargement or any change whatsoever.

Dated: _____

Signature Guarantee: _____
Note: Signature must be guaranteed by an eligible guarantor institution.

ESCROW AGREEMENT

by and between

OXNARD SCHOOL DISTRICT

and

U.S. BANK NATIONAL ASSOCIATION

Dated as of _____ 1, 2016

**Oxnard School District
(Ventura County, California)
2008 General Obligation Bonds
(Election of 2006, Series B)**

ESCROW AGREEMENT

THIS ESCROW AGREEMENT (this “Escrow Agreement”), dated as of _____ 1, 2016, is by and between the OXNARD SCHOOL DISTRICT, a school district organized and existing under the laws of the State of California (the “District”), and U.S. BANK NATIONAL ASSOCIATION, a national banking association organized and existing under the laws of the United States of America, as escrow bank (the “Escrow Bank”) and as agent of the Prior Paying Agent (as defined herein).

WITNESSETH:

WHEREAS, the District has heretofore issued the Oxnard School District General Obligation Bonds (Ventura County, California), Election of 2006, Series B (the “Prior Bonds”) in the original principal amount of \$31,997,467.10; and

WHEREAS, the Prior Bonds were issued pursuant to a Resolution adopted by the Board of Trustees (the “Board”) of the District on June 18, 2008 (the “Resolution”); and

WHEREAS, the District has determined that debt service savings can be achieved by refunding the Prior Bonds maturing on August 1 of each of the years [2019 through 2026], inclusive (the “Refunded Bonds”); and

WHEREAS, the Escrow Bank is the paying agent (the “Prior Paying Agent”) under the County Resolution; and

WHEREAS, in order to provide the funds necessary to refund the Refunded Bonds, the District has issued \$ _____ aggregate principal amount of Oxnard School District (Ventura County, California) General Obligation Refunding Bonds, Series 2016 (the “Refunding Bonds”); and

WHEREAS, the Refunding Bonds are issued pursuant to a resolution of the Board of the District adopted on August 3, 2016 (the “Refunding Resolution”); and

WHEREAS, U.S. Bank National Association, is the paying agent under the Refunding Resolution (the “Paying Agent”); and

WHEREAS, the District has determined to apply a portion of the proceeds of the Refunding Bonds for the purpose of providing the funds necessary to pay, when due, the interest on the Refunded Bonds to and including August 1, 2018 and to redeem the Refunded Bonds on August 1, 2018 (the “Redemption Date”) at a redemption price (the “Redemption Price”) equal to 100% of the principal amount of the Refunded Bonds; and

WHEREAS, the Refunded Bonds are subject to redemption on the Redemption Date and the District has determined to provide for the call for redemption on the Redemption Date of the Refunded Bonds outstanding on the Redemption Date;

NOW THEREFORE, in consideration of the mutual covenants and agreements herein contained, the District and the Escrow Bank agree as follows:

Section 1. Definitions. Unless otherwise defined herein, capitalized terms used herein shall have the meanings ascribed thereto in the Resolution.

Section 2. The Escrow Fund. (a) There is hereby established a fund (the “Escrow Fund”) to be held as an irrevocably pledged escrow by the Escrow Bank, which the Escrow Bank shall keep separate and apart from all other funds of the District and the Escrow Bank and which shall be applied solely as provided in this Escrow Agreement. The Escrow Fund is established for the purpose of refunding the Refunded Bonds and, for purposes of Section 53555 of the California Government Code, shall be deemed to be a fund in the treasury of the District.

Pending application as provided in this Escrow Agreement, amounts on deposit in the Escrow Fund are hereby pledged and assigned solely to the payment of the interest on and principal and Redemption Price of the Refunded Bonds, which amounts shall be held in trust by the Escrow Bank for the Owners of the Refunded Bonds.

(b) Upon the issuance of the Refunding Bonds, there shall be deposited in the Escrow Fund \$ _____ received from the proceeds of the sale of the Refunding Bonds.

(c) Upon the deposit of moneys pursuant to Section 2(b), the moneys on deposit in the Escrow Fund will be at least equal to an amount sufficient to purchase the aggregate principal amount of non-callable direct obligations of the United States of America or other non-callable obligations the payment of the principal of and interest on which is guaranteed by a pledge of the full faith and credit of the United States of America (“Defeasance Securities”) set forth in Exhibit A hereto (the “Exhibit A Securities”), which principal, together with all interest due or to become due on such Exhibit A Securities, and any uninvested cash held by the Escrow Bank in the Escrow Fund, will be sufficient to make the payments required by Section 4 hereof.

Section 3. Use and Investment of Moneys. (a) The Escrow Bank hereby acknowledges deposit of the moneys described in Section 2(b) and agrees to invest \$ _____ of such moneys in the Exhibit A Securities upon receipt of certification by a nationally recognized firm of independent certified public accountants that the Exhibit A Securities will mature in such principal amounts and earn interest in such amounts and, in each case, at such times, so that sufficient moneys will be available from maturing principal and interest on the Exhibit A Securities, together with any uninvested moneys then held by the Escrow Bank in the Escrow Fund, to make all payments required by Section 4 hereof. Except as provided in Section 3(b) or Section 3(c), the balance of the moneys described in Section 2 shall be held uninvested in the Escrow Fund.

(b) Upon the written request of the District, but subject to the conditions and limitations herein set forth, the Escrow Bank shall purchase substitute Defeasance Securities for the Defeasance Securities then held in an Escrow Fund with the proceeds derived from the sale, transfer, redemption or other disposition of Defeasance Securities then on deposit in such Escrow Fund and any uninvested money then held by the Escrow Bank hereunder in accordance with the provisions of this Section. Such sale, transfer, redemption or other disposition of Defeasance Securities then on deposit in such Escrow Fund and substitution of other Defeasance Securities shall be effected by the Escrow Bank upon the written request of the District but only by a simultaneous transaction and only upon receipt of (i) certification by a nationally recognized firm of independent certified public accountants that the Defeasance Securities to be substituted,

together with the Defeasance Securities which will continue to be held in such Escrow Fund, will mature in such principal amounts and earn interest in such amounts and, in each case, at such times so that sufficient moneys will be available from maturing principal and interest on such Defeasance Securities held in such Escrow Fund, together with any uninvested moneys, to make all payments required by Section 4 hereof, which have not previously been made, and (ii) receipt by the Escrow Bank of an opinion of counsel of recognized standing in the field of law relating to municipal bonds to the effect that the sale, transfer, redemption or other disposition and substitution of Defeasance Securities will not adversely affect the exclusion of interest on the Refunded Bonds or the Refunding Bonds from gross income for purposes of federal income taxation.

(c) Upon the written request of the District, but subject to the conditions and limitations herein set forth, the Escrow Bank shall apply any moneys received from the maturing principal of or interest or other investment income on any Defeasance Securities held in an Escrow Fund, or the proceeds from any sale, transfer, redemption or other disposition of Defeasance Securities pursuant to Section 3(b) not required for the purposes of said Section (i) to the extent such moneys will not be required at any time for the purpose of making a payment required by Section 4 hereof, as certified by a nationally recognized firm of independent certified public accountants delivered to the Escrow Bank, such moneys shall be transferred to the Treasurer-Tax Collector of the County (the "County Treasurer") for deposit in the District's interest and sinking funds established for the Refunding Bonds upon the written request of the District as received by the Escrow Bank, free and clear of any trust, lien, pledge or assignment securing the Refunded Bonds or otherwise existing hereunder, and (ii) to the extent such moneys will be required for such purpose at a later date, shall, to the extent practicable, be invested or reinvested in Defeasance Securities maturing at times and in amounts sufficient, as certified by a nationally recognized firm of independent certified public accountants delivered to the Escrow Bank, to make such payment required by Section 4 hereof. Prior to investing or reinvesting such moneys in Defeasance Securities pursuant to this subsection (c), the Escrow Bank shall receive an opinion of counsel of recognized standing in the field of law relating to municipal bonds to the effect that the investment or reinvestment of such moneys will not adversely affect the exclusion of interest on the Refunded Bonds or the Refunding Bonds from gross income for purposes of federal income taxation.

(d) All Defeasance Securities purchased pursuant to this Escrow Agreement shall be deposited in and held for the credit of the Escrow Fund. Except as provided in this Section 3, no moneys or Defeasance Securities deposited with the Escrow Bank pursuant to this Escrow Agreement nor principal of, or interest payments or other investment income on, any such Defeasance Securities shall be withdrawn or used for any purpose other than, and shall be held in trust for, the payment of the Refunded Bonds as provided by Section 4 hereof.

(e) The Owners of the Refunded Bonds shall have a first and exclusive lien on the moneys and Defeasance Securities in the Escrow Fund until such moneys and Defeasance Securities are used and applied as provided in this Escrow Agreement.

(f) If the Escrow Bank learns that the Department of the Treasury or the Bureau of Public Debt will not, for any reason, accept a subscription of state and local government series securities ("SLGS") that is to be submitted pursuant to this Escrow Agreement, if any, the Escrow Bank shall promptly request alternative written investment instructions from the District with respect to funds which were to be invested in SLGS. The Escrow Bank shall follow such

instructions and, upon the maturity of any such alternative investment, the Escrow Bank shall hold such funds uninvested and without liability for interest until receipt of further written instructions from the District. In the absence of investment instructions from the District, the Escrow Bank shall not be responsible for the investment of such funds or interest thereon.

(g) The Escrow Bank shall not be held liable for investment losses resulting from compliance with the provisions of this Escrow Agreement.

Section 4. Payment of Refunded Bonds. From the maturing principal of the Defeasance Securities held in the Escrow Fund and the investment income and other earnings thereon and any uninvested money then held in the Escrow Fund, the Escrow Bank shall:

(a) on each Interest Payment Date to and including the Redemption Date, pay interest on the Refunded Bonds then due and payable in accordance with the terms of the Resolution; and

(b) on the Redemption Date, pay the Redemption Price in accordance with the terms of the Resolution.

To the extent that the amount on deposit in the Escrow Fund on the Redemption Date is in excess of the amount necessary to make the required payments with respect to the Refunded Bonds, as shown in the escrow verification of the nationally recognized firm of independent certified public accountants, such excess shall be transferred to the County Treasurer for deposit in the District's interest and sinking funds established for the Refunding Bonds.

Section 5. Irrevocable Instructions to Mail Notices. The District hereby irrevocably designates the Refunded Bonds for prior redemption on the Redemption Date as indicated in Section 4 hereof and hereby irrevocably instructs the Escrow Bank, as the Prior Paying Agent, to give, in accordance with Section ___ of the Resolution, notice of redemption of the Refunded Bonds.

Section 6. Performance of Duties. The Escrow Bank agrees to perform the duties set forth herein and agrees that the irrevocable instructions to the Escrow Bank herein provided are in a form satisfactory to it.

Section 7. Escrow Bank's Authority to Make Investments. The Escrow Bank shall have no power or duty to invest any funds held under this Escrow Agreement except as provided in Section 3 hereof. The Escrow Bank shall have no power or duty to transfer or otherwise dispose of the moneys held hereunder except as provided in this Escrow Agreement.

Section 8. Compensation. The District shall from time to time pay or cause to be paid to the Escrow Bank the agreed upon compensation for its services to be rendered hereunder, and reimburse the Escrow Bank for all of its reasonable advances, expenses and charges, including, without limitation, legal fees and expenses, in the exercise and performance of its duties hereunder; provided, however, that under no circumstances shall the Escrow Bank be entitled to any lien whatsoever on any moneys or obligations in the Escrow Fund for the payment of fees and expenses for services rendered or expenses incurred by the Escrow Bank under this Escrow Agreement or otherwise.

Section 9. Indemnification. To the extent permitted by law, the District shall indemnify and save the Escrow Bank and its officers, directors, agents and employees harmless against any liabilities, losses, costs, expenses (including, without limitation, legal fees and expenses), suits, judgments and claims which it or they may incur in the exercise and performance of its powers and duties hereunder, and which are not due to its negligence or its willful misconduct. The indemnity contained in this Section shall survive the termination of this Escrow Agreement and the earlier removal or resignation of the Escrow Bank.

Section 10. Responsibilities of Escrow Bank. The Escrow Bank and its respective successors, assigns, agents and servants shall not be held to any personal liability whatsoever, in tort, contract, or otherwise, in connection with the execution and delivery of this Escrow Agreement, the establishment of the Escrow Fund, the acceptance of the moneys or any securities deposited therein, the purchase of the securities to be purchased pursuant hereto, the retention of such securities or the proceeds thereof, the sufficiency of the securities or any uninvested moneys held hereunder to accomplish the redemption of the Refunded Bonds, or any payment, transfer or other application of moneys or securities by the Escrow Bank in accordance with the provisions of this Escrow Agreement or by reason of any non-negligent act, non-negligent omission or non-negligent error of the Escrow Bank made in good faith in the conduct of its duties. The recitals of fact contained in the "Whereas" clauses herein shall be taken as the statements of the District, and the Escrow Bank assumes no responsibility for the correctness thereof. The Escrow Bank makes no representation as to the sufficiency of the securities to be purchased pursuant hereto and any uninvested moneys to accomplish the redemption of the Refunded Bonds or to the validity of this Escrow Agreement as to the District and, except as otherwise provided herein, the Escrow Bank shall incur no liability in respect thereof. The Escrow Bank shall not be liable in connection with the performance of its duties under this Escrow Agreement except for its own negligence, willful misconduct or default, and the duties and obligations of the Escrow Bank shall be determined by the express provisions of this Escrow Agreement. The Escrow Bank may consult with counsel, who may or may not be counsel to the District, and in reliance upon the written opinion of such counsel shall have full and complete authorization and protection in respect of any action taken, suffered or omitted by it in good faith in accordance therewith. Whenever the Escrow Bank shall deem it necessary or desirable that a matter be proved or established prior to taking, suffering, or omitting any action under this Escrow Agreement, such matter (except the matters set forth herein as specifically requiring a certificate of a nationally recognized firm of independent certified public accountants or an opinion of counsel of recognized standing in the field of law relating to municipal bonds) may be deemed to be conclusively established by a written certification of the District.

No provision of this Escrow Agreement shall require the Escrow Bank to risk or advance its own funds. The Escrow Bank shall be protected in acting upon any notice, resolution, request, consent, order, certificate, report, opinion, bonds or other paper or document believed by it to be genuine and to have been signed or presented by the proper party or parties. The Escrow Bank may execute any of its powers or duties hereunder through attorneys, agents or receivers and shall not be answerable for the actions of such attorneys, agents or receivers if selected by it with reasonable care.

The Escrow Bank agrees to accept and act upon instructions or directions pursuant to this Escrow Agreement sent by unsecured e-mail, facsimile transmission or other similar unsecured electronic methods, provided, however, that, the Escrow Bank shall have received an incumbency

certificate listing persons designated to give such instructions or directions and containing specimen signatures of such designated persons, which such incumbency certificate shall be amended and replaced whenever a person is to be added or deleted from the listing. If the District elects to give the Escrow Bank e-mail or facsimile instructions (or instructions by a similar electronic method) and the Escrow Bank in its discretion elects to act upon such instructions, the Escrow Bank's understanding of such instructions shall be deemed controlling. The Escrow Bank shall not be liable for any losses, costs or expenses arising directly or indirectly from the Escrow Bank's reliance upon and compliance with such instructions notwithstanding such instructions conflict or are inconsistent with a subsequent written instruction. The District agrees to assume all risks arising out of the use of such electronic methods to submit instructions and directions to the Escrow Bank, including without limitation the risk of the Escrow Bank acting on unauthorized instructions, and the risk of interception and misuse by third parties.

Section 11. Resignation and Removal. The Escrow Bank may resign by giving written notice to the District, and upon receipt of such notice the District shall promptly appoint a successor Escrow Bank. If the District does not appoint a successor Escrow Bank within thirty days of receipt of such notice, the resigning Escrow Bank may petition a court of competent jurisdiction for the appointment of a successor Escrow Bank, which court may thereupon, upon such notice as it shall deem proper, appoint a successor Escrow Bank. Upon acceptance of appointment by a successor Escrow Bank, the resigning Escrow Bank shall transfer all moneys held by it in the Escrow Fund to such successor Escrow Bank and be discharged of any further obligation or responsibility hereunder.

The District may remove the Escrow Bank at any time by giving written notice of such removal to the Escrow Bank, and thereupon shall appoint a successor Escrow Bank by an instrument in writing. Upon acceptance of appointment by a successor Escrow Bank, the removed Escrow Bank shall transfer all moneys held by it in the Escrow Fund to such successor Escrow Bank and be discharged of any further obligation or responsibility hereunder.

Any successor Escrow Bank appointed under the provisions hereof shall be a trust company or bank having trust powers, having a corporate trust office in California, having a combined capital and surplus of at least \$50,000,000, and subject to supervision or examination by federal or state authority. If such bank or trust company publishes a report of condition at least annually, pursuant to law or to the requirements of any supervising or examining authority above referred to, then for the purpose of this paragraph the combined capital and surplus of such bank or trust company shall be deemed to be its combined capital and surplus as set forth in its most recent report of condition so published.

Any bank, corporation or association into which the Escrow Bank may be merged or converted or with which it may be consolidated, or any bank, corporation or association resulting from any merger, conversion or consolidation to which the Escrow Bank shall be a party, or any bank, corporation or association succeeding to all or substantially all of the corporate trust business of the Escrow Bank shall be the successor of the Escrow Bank hereunder without the execution or filing of any paper with any parties hereto or any further act on the part of any of the parties hereto except on the part of any of the parties hereto where an instrument or transfer or assignment is required by law to effect such succession, anything herein to the contrary notwithstanding.

Section 12. Amendments. The District and the Escrow Bank may (but only with the consent of the Owners of all of the Refunded Bonds) amend this Escrow Agreement or enter into agreements supplemental to this Escrow Agreement; provided, however, that such amendments and agreements are limited to (a) insertion of unintentionally omitted material, corrections of mistakes or clarifications of ambiguities, (b) pledging of additional legal security for the benefit of the Owners of the Refunded Bonds, or (c) providing for the deposit of additional cash and/or securities in the Escrow Fund.

Section 13. Term. This Escrow Agreement shall terminate on the date upon which the Refunded Bonds have been paid in accordance with this Escrow Agreement.

Section 14. Severability. If any one or more of the covenants or agreements provided in this Escrow Agreement on the part of the District or the Escrow Bank to be performed should be determined by a court of competent jurisdiction to be contrary to law, such covenants or agreements shall be null and void and shall be deemed separate from the remaining covenants and agreements herein contained and shall in no way affect the validity of the remaining provisions of this Escrow Agreement.

Section 15. Counterparts. This Escrow Agreement may be executed in several counterparts, all or any of which shall be regarded for all purposes as an original but all of which shall constitute and be but one and the same instrument.

Section 16. Governing Law. This Escrow Agreement shall be construed under the laws of the State of California.

OXNARD SCHOOL DISTRICT

By: _____

**U.S. BANK NATIONAL
ASSOCIATION, AS ESCROW BANK
AND PRIOR PAYING AGENT**

By: _____

Authorized Officer

EXHIBIT A
DEFEASANCE SECURITIES

| Type | Maturity Date | Par Amount | Interest Rate | Cost |
|-------------|--------------------------|-----------------------|--------------------------|-------------|
|-------------|--------------------------|-----------------------|--------------------------|-------------|

§ _____
**OXNARD SCHOOL DISTRICT
(VENTURA COUNTY, CALIFORNIA)
GENERAL OBLIGATION REFUNDING BONDS, SERIES 2016**

BOND PURCHASE AGREEMENT

_____, 2016

Oxnard School District
1051 South A Street
Oxnard, California 93030

The undersigned, Stifel, Nicolaus & Company, Incorporated (the “Underwriter”), acting on its own behalf and not as a fiduciary or agent of any other party, hereby offers to enter into this Bond Purchase Agreement (the “Bond Purchase Agreement”) with the Oxnard School District (the “District”) which, upon the acceptance hereof, will be binding upon the District and the Underwriter. By execution of this Bond Purchase Agreement, the District acknowledges the terms hereof and recognizes that it will be bound by certain of the provisions hereof, and to the extent binding on the District, acknowledges and agrees to such terms. This offer is made subject to the written acceptance of this Bond Purchase Agreement by the District and delivery of such acceptance to the Underwriter at or prior to 11:59 p.m., California time, on the date hereof.

1. Purchase and Sale of the Bonds. Upon the terms and conditions and in reliance upon the representations, warranties and agreements set forth herein, the Underwriter hereby agrees to purchase from the District for reoffering to the public and the District hereby agrees to sell to the Underwriter for such purpose, all (but not less than all) of the \$ _____ aggregate principal amount of the District’s Oxnard School District (Ventura County, California) General Obligation Refunding Bonds, Series 2016 (the “Bonds”). The Bonds shall be issued in the principal amounts and shall bear interest at the rates set forth in Exhibit A hereto and shall be issued in fully registered form, in the authorized denominations of \$5,000 or any integral multiple thereof. The Bonds shall bear interest payable from the date thereof and such interest shall be payable on each February 1 and August 1, commencing _____ 1, 20__.

The Underwriter shall purchase the Bonds at a price of \$ _____ (which represents the aggregate principal amount of the Bonds, plus [net] original issuance [premium/discount] of \$ _____, and less Underwriter’s discount in the amount of \$ _____) in immediately available funds by check, draft or wire transfer to or upon the order of the District.

The District acknowledges and agrees that: (a) the purchase and sale of the Bonds pursuant to this Bond Purchase Agreement is an arm’s-length commercial transaction between the District and the Underwriter; (b) the Underwriter is acting solely as an underwriter and principal in connection

with the matters contemplated by and with respect to all communications under this Bond Purchase Agreement and is not acting as the agent or fiduciary or Municipal Advisor (as defined in Section 15B of the Securities Exchange Act of 1934, as amended (the “Exchange Act”)) of the District and its advisors in connection with the matters contemplated by this Bond Purchase Agreement; (c) the Underwriter has financial and other interests that differ from those of the District; (d) the Underwriter has not assumed any other obligation to the District except the obligations expressly set forth in this Bond Purchase Agreement, and this Bond Purchase Agreement expresses the entire relationship between the parties hereto; and (e) in connection with the purchase and sale of the Bonds, the District has consulted its own financial and other advisors to the extent it has deemed appropriate. The District also acknowledges that it previously received from the Underwriter a letter regarding the Municipal Securities Rulemaking Board (“MSRB”) Rule G-17 Disclosures, and that it has provided to the Underwriter an acknowledgement of such letter.

2. The Bonds. The Bonds shall be dated the date of delivery, and shall mature on the dates and be subject to redemption prior to their maturity all as set forth in the Exhibit A hereto. The Bonds shall otherwise be as described in and shall be issued and secured pursuant to the provisions of the resolution of the Board of Trustees of the District (the “Board of Trustees”) adopted on August 3, 2016 (the “Resolution”), which provides for the terms of the Bonds, this Bond Purchase Agreement and Articles 9 and 11 of Chapter 3 of Part 1 of Division 2 of Title 5 of the California Government Code (the “Act”). The Bonds are being issued (i) to refund a portion of the District’s outstanding Oxnard School District General Obligation Bonds (Ventura County, California), Election of 2006, Series B, maturing in years [2019 through 2026], inclusive (the “Prior Bonds”) and (ii) to pay costs of issuance of the Bonds.

The District and U.S. Bank National Association, as escrow bank (the “Escrow Bank”), will enter into the Escrow Agreement, dated as of _____ 1, 2016 (the “Escrow Agreement”), relating to the Prior Bonds. In order to assist the Underwriter with compliance with Rule 15c2-12 of the Securities and Exchange Commission under the Securities and Exchange Act of 1934, as amended (the “Rule”), the District will enter into the Continuing Disclosure Certificate, dated _____, 2016 (the “Continuing Disclosure Certificate”). Capitalized terms used herein and not defined herein shall have the meanings set forth in the Resolution.

The Bonds shall be executed and delivered under and in accordance with the provisions of this Bond Purchase Agreement and the Resolution. The Bonds shall be in definitive form, shall bear CUSIP numbers, and shall be in fully registered form, registered in the name of Cede & Co., as nominee of the Depository Trust Company, New York, New York (“DTC”).

[The payment of principal of and interest on the Bonds will be secured by a municipal bond insurance policy (the “Policy”) to be issued simultaneously with the issuance of the Bonds by _____ (the “Insurer”).]

3. Use of Documents. The District hereby authorizes the Underwriter to use, in connection with the offer and sale of the Bonds, this Bond Purchase Agreement, the Preliminary Official Statement (defined below), the Official Statement (defined below), the Resolution, the Escrow Agreement, the Continuing Disclosure Certificate and all information contained herein and therein and all of the documents, certificates or statements furnished by the District to the Underwriter in connection with the transactions contemplated by this Bond Purchase Agreement.

4. Public Offering of the Bonds. The Underwriter agrees to make a bona fide public offering of all the Bonds at the initial public offering prices or yields as set forth in Exhibit A hereto. Subsequent to such initial public offering, the Underwriter reserves the right to change such initial public offering prices or yields as it deems necessary in connection with the marketing of the Bonds; provided, however, that the Underwriter shall not change the interest rates set forth in Exhibit A. The Bonds may be offered and sold to certain dealers at prices lower than such initial public offering prices.

Prior to delivery of the Bonds, as a condition to such delivery, the Underwriter shall be required to provide to the District initial offering price information in form and substance as Bond Counsel (defined below) may require for purposes of determining the yield on the Bonds.

5. Official Statement. The Underwriter hereby represents that it has received and reviewed the Preliminary Official Statement with respect to the Bonds, dated _____, 2016 (as disseminated in its printed physical form or in electronic form in all respects materially consistent with such physical form, the “Preliminary Official Statement”). The District represents that it deems the Preliminary Official Statement to be final as of its date, except for either revisions or additions to the offering price(s), interest rate(s), yield(s) to maturity, selling compensation, aggregate principal amount, principal amount per maturity, delivery date, rating(s) and other terms of the Bonds which depend upon the foregoing as provided in and pursuant to the Rule. By the execution of this Bond Purchase Agreement, the District ratifies the use by the Underwriter of the Preliminary Official Statement.

The District hereby agrees to deliver or cause to be delivered to the Underwriter, within seven business days after the date hereof, copies of the Official Statement, consisting of the Preliminary Official Statement with such changes as may be made with the approval of the District and the Underwriter (the “Official Statement”), in such reasonable quantity as the Underwriter shall request. The Underwriter hereby represents that it has received and reviewed the Preliminary Official Statement with respect to the Bonds, and agrees that prior to the time the final Official Statement relating to the Bonds is available, the Underwriter will send to any potential purchaser of the Bonds, upon the request of such potential purchaser, a copy of the most recent Preliminary Official Statement. Such Preliminary Official Statement shall be sent by first class mail (or other equally prompt means) not later than the first business day following the date upon which each such request is received. The Underwriter agrees to file the Official Statement with the MSRB through its Electronic Municipal Market Access system.

Each party hereto agrees that it will notify the other party hereto if, within the period from the date of this Bond Purchase Agreement to and including the date which is 25 days following the End of the Underwriting Period (as hereinafter defined), such party discovers any pre-existing or subsequent fact or becomes aware of the occurrence of any event, in any such case which might cause the Official Statement (as the same may have been theretofore supplemented or amended) to contain any untrue statement of a material fact or to omit to state a material fact necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading. If, in the written opinion of the District or the Underwriter, the preparation and publication of a supplement or amendment to the Official Statement is, as a result of such fact or event (or any other event which becomes known to the District or the Underwriter during such

period), necessary so that the Official Statement does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading, the District shall, at its expense, supplement or amend the Official Statement in such a manner so that the Official Statement, as so supplemented or amended, does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading, and furnish copies of such supplement or amendment to the Underwriter in such numbers as the Underwriter may reasonably request. The District and the Underwriter agree that they will cooperate in the preparation of any such amendment or supplement. As used herein, the term “End of the Underwriting Period” means the later of such time as (a) the District delivers the Bonds to the Underwriter, or (b) the Underwriter does not retain, directly or as a member of an underwriting syndicate, an unsold balance of the Bonds for sale to the public. Unless the Underwriter gives notice to the contrary, the “End of the Underwriting Period” shall be deemed to be the Closing Date (as defined herein). Any notice delivered pursuant to this provision shall be written notice delivered to the District at or prior to the Closing Date, and shall specify a date (other than the Closing Date) to be deemed the End of the Underwriting Period.

6. Closing. At 8:30 a.m., California time, on _____, 2016, or at such other time or on such other date as shall have been mutually agreed upon by the parties hereto (the “Closing” or “Closing Date”), the District shall direct U.S. Bank National Association, as the paying agent (the “Paying Agent”), to deliver to the Underwriter, through the facilities of DTC, or at such other place as the District and the Underwriter may mutually agree upon, the Bonds in fully registered book-entry form, duly executed, and shall cause the other documents hereinafter mentioned to be delivered at the offices of Orrick, Herrington & Sutcliffe LLP (“Bond Counsel”) in Los Angeles, California. Upon fulfillment of all conditions to closing herein, the Underwriter shall accept such delivery and pay the purchase price thereof in immediately available funds (by wire transfer or such other manner of payment as the Underwriter and the District shall reasonably agree upon) to the account of the District.

7. Representations, Warranties and Agreements of the District. The District hereby represents, warrants and agrees with the Underwriter that:

(a) The District is a school district duly organized and validly existing under the laws of the State of California (the “State”), with the power to issue the Bonds pursuant to the Act;

(b) (i) At or prior to the Closing, the District will have taken all action required to be taken by it to authorize the issuance and delivery of the Bonds, (ii) the Resolution was duly adopted at a meeting of the Board of Trustees, which was called and held pursuant to law and with all public notice required by law and at which a quorum was present and acting at the time of adoption, and the Resolution has not been amended, modified or rescinded, (iii) the District has full legal right, power and authority to enter into this Bond Purchase Agreement, the Escrow Agreement and the Continuing Disclosure Certificate, to adopt the Resolution, to issue and to deliver the Bonds to the Underwriter, to perform its obligations under each such document or instrument and to carry out and effectuate the transactions contemplated by this Bond Purchase Agreement, the Escrow Agreement and the Resolution,

(iv) the execution and delivery or adoption of and the performance by the District of the obligations represented by, the Bonds, the Resolution, the Escrow Agreement, the Continuing Disclosure Certificate and this Bond Purchase Agreement have been duly authorized and such authorization shall be in full force and effect at the time of the Closing, (v) this Bond Purchase Agreement constitutes, and, when executed and delivered, each of the Escrow Agreement and the Continuing Disclosure Certificate will constitute, a valid and legally binding obligation of the District, enforceable against the District in accordance with its terms, and (vi) the District has duly authorized the consummation by it of all transactions contemplated by this Bond Purchase Agreement;

(c) No consent, approval, authorization, order, filing, registration, qualification, election or referendum, of or by any court or governmental agency or public body whatsoever is required in connection with the issuance, delivery or sale of the Bonds or the consummation of the other transactions effected or contemplated herein or hereby, except for such actions as may be necessary to qualify the Bonds for offer and sale under the Blue Sky or other securities laws and regulations of such states and jurisdictions of the United States as the Underwriter may reasonably request, or which have not been taken or obtained;

(d) The District has complied with the Internal Revenue Code of 1986, as amended, with respect to the Bonds;

(e) As of the time of acceptance hereof and as of the time of the Closing, the District is not and will not be, in any manner which would adversely affect the transactions contemplated hereby and by the Resolution, in breach of or in default under any applicable constitutional provision, law or administrative rule or regulation of the State or the United States, or any applicable judgment or decree or any trust agreement, loan agreement, bond, note, resolution, ordinance, agreement or other instrument to which the District is a party or is otherwise subject and no event has occurred and is continuing which, with the passage of time or the giving of notice, or both, would constitute, in any manner which would adversely affect the transactions contemplated hereby and by the Resolution, a default or event of default under any such instrument; and, as of such times, to the best knowledge of the District, the issuance of the Bonds, the execution, delivery and performance of this Bond Purchase Agreement, the Escrow Agreement and the Continuing Disclosure Certificate and the compliance with the provisions hereof and thereof and of the Resolution do not conflict with or constitute on the part of the District a violation of, or material default under, any applicable constitutional provision, law or administrative rule or regulation of the State or the United States, or any applicable judgment or decree or any trust agreement, loan agreement, bond, note, resolution, ordinance, agreement or other instrument to which the District is a party or is otherwise subject and do not conflict with or result in a violation or breach of, or constitute a material default under, any agreement, indenture, mortgage, lease or other instrument to which the District is a party or by which it is bound or to which it is subject;

(f) As of the time of acceptance hereof, no action, suit, proceeding, hearing or investigation is pending (in which service of process has been completed against the District) or, to the best knowledge of the District, otherwise pending or threatened against the District

(i) in any way affecting the existence of the District or in any way challenging the respective powers of the several offices of the titles of the officials of the District to such offices, (ii) seeking to restrain or enjoin the sale, issuance or delivery of any of the Bonds, the application of the proceeds of the sale of the Bonds or the levy of any taxes contemplated by the Resolution, or in any way contesting or affecting the validity or enforceability of the Bonds, this Bond Purchase Agreement, the Escrow Agreement, the Continuing Disclosure Certificate or the Resolution or contesting the powers of the District or its authority with respect to the Bonds, this Bond Purchase Agreement, the Escrow Agreement, the Continuing Disclosure Certificate or the Resolution, (iii) contesting the completeness or accuracy of the Preliminary Official Statement, or (iv) in which a final adverse decision could (A) result in any material adverse impact on the financial condition of the District, (B) materially adversely affect the operations of the District or the consummation of the transactions contemplated by this Bond Purchase Agreement, the Escrow Agreement, the Continuing Disclosure Certificate or the Resolution, (C) declare this Bond Purchase Agreement to be invalid or unenforceable in whole or in material part, or (D) adversely affect the exclusion of the interest paid on the Bonds from gross income for federal income tax purposes or the exemption of such interest on the Bonds from California personal income taxation;

(g) Preparation and distribution of the Preliminary Official Statement and the Official Statement have been duly authorized by the Board of Trustees; the information contained therein (excluding the statements and information relating to the book entry system and any information provided by the Underwriter, and so identified as source thereof, for inclusion in the Official Statement) is true and correct in all material respects and such information does not contain any untrue or misleading statement of a material fact or omit to state any material fact necessary to make the statements therein, in light of the circumstances under which they were made, not misleading, except that no representation and warranty is made concerning statements and information relating to the book entry system[, any information relating to the Insurer or the Policy] or any information provided by the Underwriter, and so identified as source thereof, for inclusion in the final Official Statement;

(h) The Preliminary Official Statement was as of its date, and the Official Statement is, and at all times subsequent to the date of the Official Statement up to and including the Closing will be, true and correct in all material respects, and the Preliminary Official Statement and the Official Statement contain, and up to and including the Closing will contain, no material misstatement of any material fact and do not, and up to and including the Closing will not, omit any statement necessary to make the statements contained therein, in light of the circumstances in which such statements were made, not misleading. At the time of the Closing, there shall not have been any material adverse changes in the financial condition of the District since the date of the Official Statement;

(i) The District agrees that if at any time before the Closing any event occurs as a result of which the Official Statement as then in effect would include any untrue statement of a material fact or omit to state any fact necessary to make the statements made therein not misleading in any material respect, the District shall promptly prepare an amendment or supplement that will correct such statement or omission. The District will advise the Underwriter promptly of any proposal to so amend or supplement the Official Statement and

will effect such amendment or supplement in a form and manner approved by the Underwriter;

(j) The District will furnish such information, execute such instruments, and take such other action in cooperation with the Underwriter if and as the Underwriter may reasonably request in order to qualify the Bonds for offer and sale under the Blue Sky or other securities laws and regulations or such states and jurisdictions, provided, however, that the District shall not be required to consent to service of process in any jurisdiction in which they are not so subject as of the date hereof;

(k) To assist the Underwriter in complying with the Rule, the District will undertake, pursuant to the Continuing Disclosure Certificate, to provide annual reports and notices of certain events. A description of this undertaking is set forth in the Preliminary Official Statement and will also be set forth in the Official Statement;

(l) Except as disclosed in the Official Statement, in the preceding five years, the District has not failed to comply in all material respects with any previous undertakings with regard to the Rule to provide annual reports or notices of certain events;

(m) Between the date hereof and the Closing, without the prior written consent of the Underwriter, the District will not have issued any bonds, notes or other obligations for borrowed money except for such borrowing as may be described in or contemplated by the Official Statement;

(n) The District agrees to take all steps required by law and by the County of Ventura (the "County") to ensure that the Board of Supervisors of the County annually levies a tax upon all taxable property in the District sufficient to pay the principal of and interest on the Bonds as and when the same become due;

(o) The audited financial statements of the District for the fiscal year ended June 30, 2015, were prepared in accordance with generally accepted accounting principles consistently applied and fairly present the financial position and results of operation of the District for the period and at the date set forth therein, and there has been no material adverse change in the business, affairs, financial position, results of operations or condition, financial or otherwise, of the District since the date of such financial statements, except as otherwise disclosed in the Official Statement;

(p) The District hereby represents that it has not entered into any contract or agreement that would limit or restrict the District's ability to refund the Prior Bonds or enter into this Bond Purchase Agreement for the sale of the Bonds to the Underwriter;

(q) The District will apply the proceeds from the Sale of the Bonds for the purposes specified in the Resolution and as described in the Official Statement; and

(r) Any certificates signed by any officer of the District and delivered to the Underwriter shall be deemed a representation and warranty by the District to the Underwriter, but not by the person signing the same, as to the statements made therein.

8. Representations, Warranties and Agreements of the Underwriter. The Underwriter hereby represents, warrants and agrees with the District that:

(a) The Underwriter is duly authorized to execute this Bond Purchase Agreement and to take any action under this Bond Purchase Agreement required to be taken by it; and

(b) The Underwriter has, and has had, no financial advisory relationship (as such term is defined in California Government Code Section 53590) with the District with respect to the Bonds, and no investment firm controlling, controlled by or under common control with the Underwriter has or has had any such financial advisory relationship (as such term is defined in California Government Code Section 53590).

9. Conditions to Closing. The Underwriter has entered into this Bond Purchase Agreement in reliance upon the representations and warranties of the District contained herein and the performance by the District of its obligations hereunder, both as of the date hereof and as of the date of Closing. The Underwriter's obligations under this Bond Purchase Agreement are and shall be subject at the option of the Underwriter, to the following further conditions at the Closing:

(a) The representations and warranties of the District contained herein shall be true, complete and correct in all material respects at the date hereof and at and as of the Closing, as if made at and as of the Closing, and the statements made in all certificates and other documents delivered to the Underwriter at the Closing pursuant hereto shall be true, complete and correct in all material respects on the date of the Closing; and the District shall be in compliance with each of the agreements made by it in this Bond Purchase Agreement;

(b) At the time of the Closing, (i) the Official Statement, this Bond Purchase Agreement, the Escrow Agreement, the Continuing Disclosure Certificate and the Resolution shall be in full force and effect and shall not have been amended, modified or supplemented except as may have been agreed to in writing by the parties hereto; (ii) all actions under the Act which, in the opinion of Bond Counsel, shall be necessary in connection with the transactions contemplated hereby, shall have been duly taken and shall be in full force and effect; and (iii) the District shall perform or have performed all of its obligations required under or specified in this Bond Purchase Agreement, the Escrow Agreement, the Continuing Disclosure Certificate, or the Official Statement to be performed at or prior to the Closing;

(c) No decision, ruling or finding shall have been entered by any court or governmental authority since the date of this Bond Purchase Agreement (and not reversed on appeal or otherwise set aside), or to the best knowledge of the District, shall be pending (in which service of process has been completed against the District) or threatened (either in state or federal courts) (A) seeking to restrain or enjoin the execution, sale or delivery of any of the Bonds, (B) in any way contesting or affecting the authority for the execution, sale or delivery of the Bonds, this Bond Purchase Agreement, the Escrow Agreement or the Continuing Disclosure Certificate, or (C) in any way contesting the existence or powers of the District, or contesting in any way the completeness or accuracy of the Official Statement;

(d) Between the date hereof and the Closing, the market price for the Bonds, or the market for or marketability or the ability of the Underwriter to enforce contracts for the

sale of the Bonds at the initial offering prices set forth in the Official Statement, shall not have been materially adversely affected by reason of any of the following:

(1) legislation enacted by the Congress of the United States, or by the legislature of the State, or introduced in the Congress or recommended for passage by the President of the United States, or a decision rendered by a court of the United States or the State or by the United States Tax Court, or an order, ruling, regulation (final, temporary or proposed) or official statement issued or made:

(i) by or on behalf of the United States Treasury Department, or by or on behalf of the Internal Revenue Service or other federal or State authority, which would have the purpose or effect of changing, directly or indirectly, the federal income tax consequences of interest on obligations of the general character of the Bonds in the hands of the holders thereof or State tax consequences of interest on obligations of the general character of the Bonds in the hands of the holders thereof; or

(ii) by or on behalf of the Securities and Exchange Commission, or any other governmental agency having jurisdiction over the subject matter thereof, to the effect that the Bonds, or obligations of the general character of the Bonds, including any and all underlying arrangements, are not exempt from registration under the Securities Act of 1933, as amended, or that the Resolution is not exempt from qualification under the Trust Indenture Act of 1939, as amended;

(2) the declaration of war or engagement in or escalation of major military hostilities by the United States or the occurrence of any other national or international emergency or calamity or crisis relating to the effective operation of the government or the financial community in the United States;

(3) the declaration of a general banking moratorium by federal, New York or State authorities having jurisdiction, or the general suspension of trading on any national securities exchange or fixing of minimum or maximum prices for trading or maximum ranges for prices for securities on any national securities exchange, whether by virtue or a determination by that exchange or by order of the Securities and Exchange Commission or any other governmental authority having jurisdiction or a material disruption in securities settlement, payment or clearance services affecting the Bonds shall have occurred;

(4) a decision by a court of the United States shall be rendered, or a stop order, release, regulation or no-action letter by or on behalf of the Securities and Exchange Commission or any other governmental agency having jurisdiction of the subject matter shall have been issued or made, to the effect that the issuance, offering or sale of the Bonds, including the underlying obligations as contemplated by this Bond Purchase Agreement or by the Official Statement, or any other document relating to the issuance, offering or sale of the Bonds, is or would be in violation of

any provision of the federal securities laws at the Closing Date, including the Securities Act, the Exchange Act and the Trust Indenture Act;

(5) the imposition by the New York Stock Exchange, other national securities exchange, or any governmental authority, of any material restrictions not now in force with respect to the Bonds, or obligations of the general character of the Bonds, or securities generally, or the material increase of any such restrictions now in force, including those relating to the extension of credit by, or the charge to the net capital requirements of, the Underwriter;

(6) an order, decree or injunction of any court of competent jurisdiction, or order, filing, regulation or official statement by the Securities and Exchange Commission, or any other governmental agency having jurisdiction over the subject matter thereof, issued or made to the effect that the issuance, offering or sale of obligations of the general character of the Bonds, or the issuance, offering or sale of the Bonds, as contemplated hereby or by the Official Statement, is or would be in violation of the federal securities laws, as amended and then in effect;

(7) the withdrawal or downgrading of any underlying rating or credit watch status or outlook of the District's outstanding indebtedness [or any rating of the Insurer] by a national rating agency;

(8) the occurrence of any adverse change of material nature of the financial condition, results of operation or properties of the District;

(9) [there shall have occurred or any notice shall have been given of any intended downgrade, suspension, withdrawal or negative change in credit watch status by any national credit agency of the Insurer;]

(10) the suspension by the Securities and Exchange Commission of trading in the outstanding securities of the District;

(11) any proceeding shall have been commenced or be threatened in writing by the Securities and Exchange Commission against the District;

(12) any amendment shall have been made to the federal or State Constitution or action by any federal or State court, legislative body, regulatory body, or other authority materially adversely affecting the tax status of the District, its property, income securities (or interest thereon) or the validity or enforceability of the levy of taxes to pay principal of and interest on the Bonds;

(13) the purchase of and payment for the Bonds by the Underwriter, or the resale of the Bonds by the Underwriter, on the terms and conditions herein provided shall be prohibited by any applicable law, governmental authority, board, agency or commission; or

(14) any event occurring, or information becoming known which, in the reasonable judgment of the Underwriter, makes untrue in any material adverse respect any statement or information set forth in the Official Statement, or has the effect that the Official Statement contains any untrue statement of a material fact or omits to state a material fact required to be stated therein or necessary to make the statements made therein, in light of the circumstances under which they were made, not misleading;

(e) At or prior to the Closing, the Underwriter shall have received the following documents, in each case satisfactory in form and substance to the Underwriter:

(1) A certificate of the Clerk of the Board of Trustees to the effect that (i) the copy of the Resolution attached thereto is a true and correct copy thereof, and (ii) the Resolution was duly adopted and has not been modified, amended, rescinded or revoked and is in full force and effect on the Closing; Date;

(2) Executed copies of the Escrow Agreement, the Continuing Disclosure Certificate and the Official Statement;

(3) An approving opinion of Bond Counsel, substantially in the form attached as Appendix C to the Official Statement, relating to the Bonds, dated the Closing Date and addressed to the District;

(4) A reliance letter from Bond Counsel to the effect that the Underwriter may rely upon the approving opinion described in (e)(3) above;

(5) A certificate, dated the Closing Date, signed by an appropriate official of the District, to the effect that (i) such official is authorized to execute the Escrow Agreement, the Continuing Disclosure Certificate and this Bond Purchase Agreement, (ii) the representations and warranties of the District herein are true and correct in all material respects as of the date of Closing, (iii) the District has complied with all the terms of the Escrow Agreement, the Continuing Disclosure Certificate and this Bond Purchase Agreement to be complied with by the District prior to or concurrently with the Closing and the Escrow Agreement, the Continuing Disclosure Certificate and this Bond Purchase Agreement are in full force and effect; (iv) to the best of such official's knowledge, no litigation is pending or threatened (either in state or federal courts) (A) seeking to restrain or enjoin the execution, sale or delivery of any of the Bonds, (B) in any way contesting or affecting the authority for the execution, sale or delivery of the Bonds, the Escrow Agreement, the Continuing Disclosure Certificate or this Bond Purchase Agreement, or (C) in any way contesting the existence or powers of the District, (v) such official has reviewed the Official Statement and on such basis certifies that the Official Statement does not contain any untrue statement of a material fact or omit to state any material fact required to be stated therein or necessary to make the statements therein, in light of the circumstances in which they were made, not misleading, (vi) each of the conditions listed in Section 9(e) of this Bond Purchase Agreement has been satisfied on the date hereof and the District is not aware of any other condition of this Bond

Purchase Agreement that has not been satisfied on the date hereof, and (vii) the Bonds being delivered on the Closing Date to the Underwriter under this Bond Purchase Agreement substantially conform to the descriptions thereof contained in the Resolution and this Bond Purchase Agreement;

(6) A supplemental opinion of Bond Counsel, dated the Closing Date and addressed to the Underwriter, to the effect that (i) statements contained in the Official Statement under the captions “THE SERIES 2016 BONDS” (excluding any and all information contained under the subheadings “– Authority for Issuance; Plan of Finance,” “– Bond Insurance,” “– Outstanding Bonds,” “– Debt Service,” “– Aggregate Debt Service” and “– Estimated Sources and Uses of Funds”) and “TAX MATTERS,” excluding any material that may be treated as included under such captions by cross-reference, insofar as such statements expressly summarize certain provisions of the Bonds and the Resolution, and the form and content of Bond Counsel’s approving opinion, are accurate in all material respects, (ii) assuming due authorization, execution and delivery by all the parties thereto other than the District, the Continuing Disclosure Certificate, the Escrow Agreement and this Bond Purchase Agreement have each been duly executed and delivered by the District and constitute valid and binding obligations of the District, except as enforcement thereof may be limited by bankruptcy, insolvency, reorganization, moratorium or other laws relating to or affecting generally the enforcement of creditors’ rights and except as their enforcement may be subject to the application of equitable principles and the exercise of judicial discretion in appropriate cases if equitable remedies are sought (provided that no opinion need be rendered regarding the adequacy of the Continuing Disclosure Certificate for purposes of the Rule), and (iii) the Bonds are not subject to the registration requirements of the Securities Act of 1933, as amended, and the Resolution is exempt from qualification pursuant to the Trust Indenture Act of 1939, as amended.

(7) The opinion of Orrick, Herrington & Sutcliffe LLP, as disclosure counsel to the District (“Disclosure Counsel”), addressed to the District and the Underwriter, dated the Closing Date, to the effect that based on such counsel’s participation in conferences with representatives of the Underwriter, the District, the Paying Agent, [the Insurer,] their respective counsel, Caldwell Flores Winters, Inc., as financial advisor to the District, and others, during which conferences the contents of the Official Statement and related matters were discussed (but with no inquiry made of other attorneys in such counsel’s firm not working directly on the issuance of the Bonds who may have information material to the issue), and in reliance thereon and on the records, documents, certificates and opinions described therein, such counsel advises the District and the Underwriter, as a matter of fact and not opinion, that, during the course of its engagement as disclosure counsel no facts came to the attention of such counsel’s attorneys rendering legal services in connection with such representation which caused such counsel to believe that the Official Statement as of its date and as of the Closing Date (except for any CUSIP numbers, financial, accounting, statistical, economic or demographic data or forecasts, numbers, charts, tables, graphs, estimates, projections, assumptions or

expressions of opinion, any information about DTC or its book-entry system, litigation, ratings, rating agencies, the Underwriter, underwriting, and Appendices B, E, F and G, included or referred to therein, as to which such counsel need express no opinion or view) contained or contains any untrue statement of a material fact or omitted or omits to state any material fact necessary to make the statements therein, in light of the circumstances under which they were made, not misleading;

(8) A non-arbitrage certificate of the District relating to the Bonds in form satisfactory to Bond Counsel;

(9) Evidence satisfactory to the Underwriter that any ratings described in the Official Statement are in full force and effect as of the Closing Date;

(10) A certificate of the Escrow Bank dated the Closing Date, signed by a duly authorized officer of the Escrow Bank, and in form and substance satisfactory to the Underwriter, to the effect that (i) to the best of such officer's knowledge, the representations and agreements of the Escrow Bank in the Escrow Agreement are true and correct as of the Closing Date, (ii) the Escrow Agreement has been duly authorized, executed and delivered and, assuming due execution by the other parties thereto, is enforceable against the Escrow Bank in accordance with its terms; and (iii) to such officer's knowledge, no litigation is pending or threatened (either in state or federal courts) in any way contesting or affecting any authority of the Escrow Bank for or in connection with its performance of the Escrow Agreement;

(11) A report by Causey, Demgen & Moore P.C., verifying the arithmetical accuracy of the computation of projected receipts for and of payments to retire the Prior Bonds (the "Verification Report");

(12) A defeasance opinion of Bond Counsel, dated the Closing Date and addressed to the District and the Underwriter, to the effect that, upon the deposit of cash and certain proceeds of the Bonds into the escrow funds established under the Escrow Agreement as provided in the resolutions pursuant to which the Prior Bonds were issued, and the investment of money and securities in accordance with the provisions of the Escrow Agreement, the Prior Bonds will have been satisfied and discharged and are no longer outstanding under said resolutions. In rendering this opinion, Bond Counsel may rely on the Verification Report as to the mathematical accuracy of the schedules with respect to the sufficiency of the escrow funds established to pay the Prior Bonds and will not independently verify the accuracy of the information contained in the Verification Report;

(13) An opinion of Nossaman LLP, Irvine, California, as Underwriter's Counsel, addressed to the Underwriter in form and substance satisfactory to the Underwriter;

(14) [The Policy;]

(15) [A certificate of the Insurer in form and substance satisfactory to Bond Counsel and the Underwriter;]

(16) [An opinion of counsel to the Insurer in form and substance satisfactory to Bond Counsel and the Underwriter; and]

(17) Such additional legal opinions, certificates, proceedings, instruments and other documents as the Underwriter may reasonably request to evidence (i) compliance by the District and the Paying Agent with legal requirements, (ii) the truth and accuracy, as of the time of Closing, of the representations of the District herein contained, and (iii) the due performance or satisfaction by the District at or prior to such time of all agreements then to be performed and all conditions then to be satisfied by the District.

If the District shall be unable to satisfy the conditions to the Underwriter's obligations contained in this Bond Purchase Agreement or if the Underwriter's obligations shall be terminated for any reason permitted by this Bond Purchase Agreement, this Bond Purchase Agreement may be canceled by the Underwriter at, or at any time prior to, the time of Closing. Notice of such cancellation shall be given to the District in writing, or by telephone or telegraph, confirmed in writing. Notwithstanding any provision herein to the contrary, the performance of any and all obligations of the District hereunder and the performance of any and all conditions contained herein for the benefit of the Underwriter may be waived by the Underwriter in writing at its sole discretion.

10. Conditions to Obligations of the District. The performance by the District of its obligations is conditioned upon (a) the performance by the Underwriter of its obligations hereunder; and (b) receipt by the District and the Underwriter of opinions and certificates being delivered at the Closing by persons and entities other than the District.

11. Expenses. The District shall to the extent permitted by applicable law pay all expenses incident to the performance of its obligations hereunder from the proceeds of the sale of the Bonds, including, but not limited to (a) the costs of the preparation and reproduction of the Resolution, the Bonds, this Bond Purchase Agreement, the Escrow Agreement and the Continuing Disclosure Certificate, (b) the cost of the printing and distribution of the Preliminary Official Statement and the Official Statement, (c) the cost of the preparation, printing and delivery of the Bonds, (d) the fees and disbursements of Bond Counsel and Disclosure Counsel, and any other consultants to the District, including the District's financial advisor, (e) the fees for the Bond rating, including all necessary expenses for travel relating to such rating, (f) the initial fees of the Paying Agent and the fees of the Escrow Bank, (g) the costs of the preparation of the Verification Report, [(h) any premium for the Policy and related fees and expenses,] and (i) all other fees and expenses incident to the issuance and sale of the Bonds. All out-of-pocket expenses of the Underwriter, including the California Debt and Investment Advisory Commission fee, expenses for travel (except in connection with securing a rating on the Bonds or sale of the Bonds), the fees and disbursements of Underwriter's counsel and other expenses (except as provided above) shall be paid by the Underwriter.

12. Notices. Any notice or other communication to be given under this Bond Purchase Agreement (other than the acceptance hereof as specified in the first paragraph hereof) may be given

by delivering the same in writing if to the District, to the Oxnard School District at 1051 South A Street, Oxnard, California 93030, Attention: Deputy Superintendent, Business & Fiscal Services, or if to the Underwriter, to Stifel, Nicolaus & Company, Incorporated, 515 South Figueroa Street, Suite 1800, Los Angeles, California; Attention: John Baracy.

13. Severability. In the event any provision of this Bond Purchase Agreement shall be held invalid or unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision hereof.

14. Parties in Interest; Survival of Representations and Warranties. This Bond Purchase Agreement when accepted by the District in writing as heretofore specified shall constitute the entire agreement between the District and the Underwriter. This Bond Purchase Agreement is made solely for the benefit of the District and the Underwriter (including the successors or assigns of the Underwriter). No person shall acquire or have any rights hereunder or by virtue hereof. All the representations, warranties and agreements of the District in this Bond Purchase Agreement shall survive regardless of (a) any investigation or any statement in respect thereof made by or on behalf of the Underwriter, (b) delivery of and payment by the Underwriter for the Bonds hereunder, and (c) any termination of this Bond Purchase Agreement.

15. Execution in Counterparts. This Bond Purchase Agreement may be executed in several counterparts each of which shall be regarded as an original and all of which shall constitute but one and the same document.

16. Applicable Law. This Bond Purchase Agreement shall be interpreted, governed and enforced in accordance with the law of the State applicable to contracts made and performed in the State.

Very truly yours,

**STIFEL, NICOLAUS & COMPANY,
INCORPORATED**

By: _____
Authorized Representative

Accepted: _____, 2016

OXNARD SCHOOL DISTRICT

Time: _____ p. m.

By: _____

EXHIBIT A

MATURITY SCHEDULE

\$ _____
Oxnard School District
(Ventura County, California)
General Obligation Refunding Bonds, Series 2016

| <u>Maturity</u> <u>(August 1)</u> | <u>Principal</u> <u>Amount</u> | <u>Interest</u> <u>Rate</u> | <u>Yield</u> |
|--|---|--|---------------------|
|--|---|--|---------------------|

TERMS OF REDEMPTION

CONTINUING DISCLOSURE CERTIFICATE

THIS CONTINUING DISCLOSURE CERTIFICATE (this “Disclosure Certificate”) is executed and delivered by the Oxnard School District (the “District”) in connection with the issuance of \$_____ aggregate principal amount of Oxnard School District (Ventura County, California) General Obligation Refunding Bonds, Series 2016 (the “Bonds”). The Bonds are being issued pursuant to a resolution adopted by the Board of Trustees of the District on August 3, 2016 (the “Resolution”). The District covenants and agrees as follows:

Section 1. Purpose of the Disclosure Certificate. This Disclosure Certificate is being executed and delivered by the District for the benefit of the Holders and Beneficial Owners of the Bonds and in order to assist the Participating Underwriter in complying with Securities and Exchange Commission Rule 15c2-12(b)(5).

Section 2. Definitions. In addition to the definitions set forth in the Resolution, which apply to any capitalized term used in this Disclosure Certificate unless otherwise defined in this Section, the following capitalized terms shall have the following meanings:

“Annual Report” shall mean any Annual Report provided by the District pursuant to, and as described in, Sections 3 and 4 hereof.

“Beneficial Owner” shall mean any person which has or shares the power, directly or indirectly, to make investment decisions concerning ownership of any Bonds (including persons holding Bonds through nominees, depositories or other intermediaries).

“Dissemination Agent” shall mean _____, or any successor Dissemination Agent designated in writing by the District and which has filed with the District a written acceptance of such designation.

“Holder” shall mean the person in whose name any Bond shall be registered.

“Listed Events” shall mean any of the events listed in Section 5(a) or (b) hereof.

“MSRB” shall mean the Municipal Securities Rulemaking Board or any other entity designated or authorized by the Securities and Exchange Commission to receive reports pursuant to the Rule. Until otherwise designated by the MSRB or the Securities and Exchange Commission, filings with the MSRB are to be made through the Electronic Municipal Market Access (EMMA) website of the MSRB, currently located at <http://emma.msrb.org>.

“Official Statement” shall mean the Official Statement, dated _____, 2016 (including all exhibits or appendices thereto), relating to the offer and sale of Bonds.

“Participating Underwriter” shall mean any of the original underwriters of the Bonds required to comply with the Rule in connection with offering of the Bonds.

“Rule” shall mean Rule 15c2-12(b)(5) adopted by the Securities and Exchange Commission under the Securities Exchange Act of 1934, as the same may be amended from time to time.

Section 3. Provision of Annual Reports. (a) The District shall, or shall cause the Dissemination Agent to, not later than nine months after the end of the District's fiscal year (which due date shall be April 1 of each year, so long as the fiscal year ends on June 30), commencing with the report for the 2015-16 fiscal year (which is due no later than April 1, 2017), provide to the MSRB an Annual Report which is consistent with the requirements of Section 4 of this Disclosure Certificate. The Annual Report must be submitted in electronic format, accompanied by such identifying information as is prescribed by the MSRB, and may cross-reference other information as provided in Section 4 hereof; provided, however, that the audited financial statements of the District may be submitted separately from the balance of the Annual Report and later than the date required above for the filing of the Annual Report if they are not available by that date. If the District's fiscal year changes, it shall give notice of such change in the same manner as for a Listed Event under Section 5(e) hereof. The Annual Report shall be submitted on a standard form in use by industry participants or other appropriate form and shall identify the Bonds by name and CUSIP number.

(b) Not later than 15 business days prior to the date specified in subsection (a), the District shall provide the Annual Report to the Dissemination Agent (if other than the District). If the District is unable to provide to the MSRB an Annual Report by the date required in subsection (a), the District shall send a notice in a timely manner to the MSRB, in substantially the form attached as Exhibit A.

(c) The Dissemination Agent shall:

(i) (if the Dissemination Agent is other than the District), provide any Annual Report received by it to the MSRB as provided herein; and

(ii) (if the Dissemination Agent is other than the District), file a report with the District certifying that the Annual Report has been provided to the MSRB pursuant to this Disclosure Certificate, stating the date it was provided to the MSRB.

Section 4. Content of Annual Reports. The District's Annual Report shall contain or include by reference the following:

(a) Audited financial statements of the District for the preceding fiscal year, prepared in accordance with the laws of the State of California and including all statements and information prescribed for inclusion therein by the Controller of the State of California. If the District's audited financial statements are not available by the time the Annual Report is required to be provided to the MSRB pursuant to Section 3(a) hereof, the Annual Report shall contain unaudited financial statements in a format similar to the financial statements contained in the final Official Statement, and the audited financial statements shall be provided to the MSRB in the same manner as the Annual Report when they become available.

(b) To the extent not included in the audited financial statements of the District, the Annual Report shall also include the following:

(i) The adopted budget of the District for the then-current fiscal year.

(ii) Assessed value of taxable property in the District for the then-current fiscal year as shown on the most recent equalized assessment role.

(iii) If the County of Ventura (the “County”) no longer includes the tax levy for payment of the Bonds in its Teeter Plan, the property tax levies, collections, and delinquencies for the District for the most recently completed fiscal year.

(iv) Top ten property owners in the District for the then-current fiscal year, as measured by secured assessed valuation, the amount of their respective taxable value, and their percentage of total secured assessed value.

(c) In addition to any of the information expressly required to be provided under subsections (a) and (b) hereof, the District shall provide such further information, if any, as may be necessary to make the specifically required statements, in light of the circumstances under which they are made, not misleading.

Any or all of the items listed above may be set forth in one or a set of documents or may be included by specific reference to other documents, including official statements of debt issues of the District or related public entities, which have been made available to the public on the MSRB’s website. The District shall clearly identify each such other document so included by reference.

Section 5. Reporting of Significant Events. (a) The District shall give, or cause to be given, notice of the occurrence of any of the following events with respect to the Bonds not later than ten business days after the occurrence of the event:

- (i) principal and interest payment delinquencies;
- (ii) unscheduled draws on debt service reserves reflecting financial difficulties;
- (iii) unscheduled draws on credit enhancements reflecting financial difficulties;
- (iv) substitution of the credit or liquidity providers or their failure to perform;
- (v) adverse tax opinions or issuance by the Internal Revenue Service of proposed or final determination of taxability or of a Notice of Proposed Issue (IRS Form 5701 TEB);
- (vi) tender offers;
- (vii) defeasances;
- (viii) rating changes; or

(ix) bankruptcy, insolvency, receivership or similar event of the obligated person.

For the purposes of the event identified in subparagraph (ix), the event is considered to occur when any of the following occur: the appointment of a receiver, fiscal agent or similar officer for an obligated person in a proceeding under the U.S. Bankruptcy Code or in any other proceeding under state or federal law in which a court or governmental authority has assumed jurisdiction over substantially all of the assets or business of the obligated person, or if such jurisdiction has been assumed by leaving the existing governmental body and officials or officers in possession but subject to the supervision and orders of a court or governmental authority, or the entry of an order confirming a plan of reorganization, arrangement or liquidation by a court or governmental authority having supervision or jurisdiction over substantially all of the assets or business of the obligated person.

(b) The District shall give, or cause to be given, notice of the occurrence of any of the following events with respect to the Bonds, if material, not later than ten business days after the occurrence of the event:

(i) unless described in paragraph 5(a)(v) hereof, other material notices or determinations by the Internal Revenue Service with respect to the tax status of the Bonds or other material events affecting the tax status of the Bonds;

(ii) modifications to rights of Bond Holders;

(iii) Bond calls;

(iv) release, substitution, or sale of property securing repayment of the Bonds;

(v) non-payment related defaults;

(vi) the consummation of a merger, consolidation, or acquisition involving an obligated person or the sale of all or substantially all of the assets of the obligated person, other than in the ordinary course of business, the entry into a definitive agreement to undertake such an action or the termination of a definitive agreement relating to any such actions, other than pursuant to its terms; or

(vii) appointment of a successor or additional paying agent or the change of name of a paying agent.

(c) The District shall give, or cause to be given, in a timely manner, notice of a failure to provide the annual financial information on or before the date specified in Section 4 hereof, as provided in Section 4(b) hereof.

(d) Whenever the District obtains knowledge of the occurrence of a Listed Event described in Section 5(b) hereof, the District shall determine if such event would be material under applicable federal securities laws.

(e) If the District learns of the occurrence of a Listed Event described in Section 5(a) hereof, or determines that knowledge of a Listed Event described in Section 5(b) hereof would be material under applicable federal securities laws, the District shall within ten business days of occurrence file a notice of such occurrence with the MSRB in electronic format, accompanied by such identifying information as is prescribed by the MSRB. Notwithstanding the foregoing, notice of the Listed Event described in subsections (a)(vii) or (b)(iii) need not be given under this subsection any earlier than the notice (if any) of the underlying event is given to Holders of affected Bonds pursuant to the Resolution.

Section 6. Termination of Reporting Obligation. The District's obligations under this Disclosure Certificate shall terminate upon the legal defeasance, prior redemption or payment in full of all of the Bonds. If such termination occurs prior to the final maturity of the Bonds, the District shall give notice of such termination in the same manner as for a Listed Event under Section 5(e) hereof.

Section 7. Dissemination Agent. The District may, from time to time, appoint or engage a Dissemination Agent to assist it in carrying out its obligations under this Disclosure Certificate, and may discharge any such Dissemination Agent, with or without appointing a successor Dissemination Agent. The Dissemination Agent shall not be responsible in any manner for the content of any notice or report prepared by the District pursuant to this Disclosure Certificate. The initial Dissemination Agent shall be _____.

Section 8. Amendment; Waiver. Notwithstanding any other provision of this Disclosure Certificate, the District may amend this Disclosure Certificate, and any provision of this Disclosure Certificate may be waived, provided that the following conditions are satisfied:

(a) if the amendment or waiver relates to the provisions of Section 3(a) hereof, Section 4 hereof, or Section 5(a) or (b) hereof, it may only be made in connection with a change in circumstances that arises from a change in legal requirements, change in law, or change in the identity, nature or status of an obligated person with respect to the Bonds, or the type of business conducted;

(b) the undertaking, as amended or taking into account such waiver, would, in the opinion of nationally recognized bond counsel, have complied with the requirements of the Rule at the time of the original issuance of the Bonds, after taking into account any amendments or interpretations of the Rule, as well as any change in circumstances; and

(c) the proposed amendment or waiver either (i) is approved by the Holders in the same manner as provided in the Resolution for amendments to the Resolution with the consent of Holders, or (ii) does not, in the opinion of nationally recognized bond counsel, materially impair the interests of the Holders or Beneficial Owners of the Bonds.

In the event of any amendment or waiver of a provision of this Disclosure Certificate, the District shall describe such amendment in the next Annual Report, and shall include, as applicable, a narrative explanation of the reason for the amendment or waiver and its impact on the type (or in the case of a change of accounting principles, on the presentation) of financial information or operating data being presented by the District. In addition, if the amendment

relates to the accounting principles to be followed in preparing financial statements, (i) notice of such change shall be given in the same manner as for a Listed Event under Section 5(e) hereof, and (ii) the Annual Report for the year in which the change is made should present a comparison (in narrative form and also, if feasible, in quantitative form) between the financial statements as prepared on the basis of the new accounting principles and those prepared on the basis of the former accounting principles.

Section 9. Additional Information. Nothing in this Disclosure Certificate shall be deemed to prevent the District from disseminating any other information, using the means of dissemination set forth in this Disclosure Certificate or any other means of communication, or including any other information in any Annual Report or notice of occurrence of a Listed Event, in addition to that which is required by this Disclosure Certificate. If the District chooses to include any information in any Annual Report or notice of occurrence of a Listed Event in addition to that which is specifically required by this Disclosure Certificate, the District shall have no obligation under this Certificate to update such information or include it in any future Annual Report or notice of occurrence of a Listed Event.

Section 10. Default. In the event of a failure of the District to comply with any provision of this Disclosure Certificate, any Holder or Beneficial Owner of the Bonds may take such actions as may be necessary and appropriate, including seeking mandate or specific performance by court order, to cause the District to comply with its obligations under this Disclosure Certificate; provided, that any such action may be instituted only in Superior Court of the State of California in and for the County of Ventura or in U.S. District Court in or nearest to the County of Ventura. A default under this Disclosure Certificate shall not be deemed an event of default under the Resolution, and the sole remedy under this Disclosure Certificate in the event of any failure of the District to comply with this Disclosure Certificate shall be an action to compel performance.

Section 11. Duties, Immunities and Liabilities of Dissemination Agent. The Dissemination Agent shall have only such duties as are specifically set forth in this Disclosure Certificate, and (if the Dissemination Agent is other than the District), the District agrees to indemnify and save the Dissemination Agent, its officers, directors, employees and agents, harmless against any loss, expense and liabilities which it may incur arising out of or in the exercise or performance of its powers and duties hereunder, including the costs and expenses (including attorneys fees) of defending against any claim of liability, but excluding liabilities due to the Dissemination Agent's negligence or willful misconduct. The obligations of the District under this Section shall survive resignation or removal of the Dissemination Agent and payment of the Bonds.

Section 12. Beneficiaries. This Disclosure Certificate shall inure solely to the benefit of the District, the Dissemination Agent, the Participating Underwriter and Holders and Beneficial Owners from time to time of the Bonds, and shall create no rights in any other person or entity.

Dated: _____, 2016

OXNARD SCHOOL DISTRICT

By: _____

ACCEPTED AND AGREED TO:

_____, as **Dissemination Agent**

By: _____
Authorized Signatory

EXHIBIT A

**NOTICE TO THE MUNICIPAL SECURITIES RULEMAKING BOARD
OF FAILURE TO FILE ANNUAL REPORT**

Name of Issuer: OXNARD SCHOOL DISTRICT
Name of Issue: Oxnard School District (Ventura County, California) General
Obligation Refunding Bonds, Series 2016
Date of Issuance: _____, 2016

NOTICE IS HEREBY GIVEN that the District has not provided an Annual Report with respect to the above-named Bonds as required by Section 4 of the Continuing Disclosure Certificate of the District, dated _____, 2016. [The District anticipates that the Annual Report will be filed by _____.]

Dated: _____

OXNARD SCHOOL DISTRICT

BOARD AGENDA ITEM

Name of Contributor(s): **Dr. Jesus Vaca**

Date of Meeting: **August 3, 2016**

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda _____
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading X 2nd Reading _____

UNIFORM COMPLAINT PROCEDURES – BP and AR 1312.3: Revision (Vaca)

DESCRIPTION OF AGENDA ITEM:

The policy and regulations have been updated to reflect new laws and to meet Federal Program Monitoring (FPM) requirements.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees review the attached policy and regulation for first reading and eventual approval at the August 24, 2016 board meeting.

ADDITIONAL MATERIAL(S):

- BP 1312.3 Uniform Complaint Procedures (seven pages)
- AR 1312.3 Uniform Complaint Procedures (six pages)

UNIFORM COMPLAINT PROCEDURES

The Governing Board recognizes that the district has the primary responsibility to comply with applicable state and federal laws and regulations governing educational programs. The district shall investigate complaints alleging failure to comply with such laws and/or alleging unlawful discrimination, harassment, intimidation, and bullying, and shall seek to resolve those complaints in accordance with the district's uniform complaint procedures. (5 CCR 4620) A complaint may also be filed regarding violations of state laws or regulations related to pupil fees.

~~The district shall use the uniform complaint procedures to resolve any complaint alleging unlawful discrimination, harassment, intimidation, or bullying against any protected group as identified under Education Code 200 and 220 and Government Code 11135, in district programs and activities based on actual or perceived characteristics such as race, color, ancestry, nationality, national origin, ethnic group identification, ethnicity, age, religion, marital or parental status, physical or mental disability, sex, sexual orientation, gender, gender identity or expression, or genetic information; the perception of one or more of such characteristics; or association with a person or group with one or more of these actual or perceived characteristics.~~

~~(cf. 0410—Nondiscrimination in District Programs and Activities)
(cf. 4030—Nondiscrimination in Employment)
(cf. 4031—Complaints Concerning Discrimination in Employment)
(cf. 5131.2—Bullying)~~

~~Uniform complaint procedures shall also be used to address any complaint alleging the district's failure to comply with state and/or federal laws in adult education programs, consolidated categorical aid programs, migrant education, career technical and technical education and training programs, child care and development programs, child nutrition programs, special education programs, and the development and adoption of the school safety plan. (5 CCR 4610)~~

~~Uniform complaint procedures shall also be used to address any complaints related to violations of state laws or regulations related to pupil fees, deposits, or other charges for participation in educational activities.~~

~~(cf. 0450—Comprehensive Safety Plan)
(cf. 1312.1—Complaints Concerning District Employees)
(cf. 1312.2—Complaints Concerning Instructional Materials)
(cf. 3260—Fees and Charges)
(cf. 3320—Claims and Actions Against the District)
(cf. 3553—Free and Reduced Price Meals)
(cf. 3555—Nutrition Program Compliance)
(cf. 5141.4—Child Abuse Prevention and Reporting)
(cf. 5148—Child Care and Development)
(cf. 6159—Individualized Education Program)
(cf. 6171—Title I Programs)
(cf. 6174—Education for English Language Learners)
(cf. 6175—Migrant Education Program)~~

UNIFORM COMPLAINT PROCEDURES (continued)

~~(cf. 6178 - Career Technical Education)~~
~~(cf. 6178.1 - Work Based Learning)~~
~~(cf. 6178.2 - Regional Occupational Center/Program)~~
~~(cf. 6200 - Adult Education)~~

The district's uniform complaint procedures (UCP) shall be used to investigate and resolve the following complaints:

1. *Any complaint alleging district violation of applicable state or federal law or regulations governing adult education programs, consolidated categorical aid programs, migrant education, career technical and technical education and training programs, child care and development programs, child nutrition programs, and special education programs (5 CCR 4610).*

~~(cf. 3553 - Free and Reduced Price Meals)~~
~~(cf. 3555 - Nutrition Program Compliance)~~
~~(cf. 5141.4 - Child Abuse Prevention and Reporting)~~
~~(cf. 5148 - Child Care and Development)~~
~~(cf. 6159 - Individualized Education Program)~~
~~(cf. 6171 - Title I Programs)~~
~~(cf. 6174 - Education for English Language Learners)~~
~~(cf. 6175 - Migrant Education Program)~~
~~(cf. 6178 - Career Technical Education)~~
~~(cf. 6178.1 - Work-Based Learning)~~
~~(cf. 6178.2 - Regional Occupational Center/Program)~~
~~(cf. 6200 - Adult Education)~~

2. *Any complaint alleging the occurrence of unlawful discrimination (such as discriminatory harassment, intimidation, or bullying) against any person in district programs and activities, including, but not limited to, those programs or activities funded directly by or that receive or benefit from any state financial assistance, based on the person's actual or perceived characteristics of race or ethnicity, color, ancestry, nationality, national origin, ethnic group identification, age, religion, marital or parental status, physical or mental disability, sex, sexual orientation, gender, gender identity, gender expression, or genetic information, or any other characteristic identified in Education Code 200 or 220, Government Code 11135, or Penal Code 422.55, or based on his/her association with a person or group with one or more of these actual or perceived characteristics (5 CCR 4610).*

~~(cf. 0410 - Nondiscrimination in District Programs and Activities)~~
~~(cf. 4030 - Nondiscrimination in Employment)~~
~~(cf. 5145.3 - Nondiscrimination/Harassment)~~
~~(cf. 5145.7 - Sexual Harassment)~~

3. *Any complaint alleging district noncompliance with the requirement to provide reasonable accommodation to a lactating student on school campus to express breast milk, breastfeed an infant child, or address other breastfeeding-related needs of the student (Education Code 222).*

UNIFORM COMPLAINT PROCEDURES (continued)

(cf. 5146 - Married/Pregnant/Parenting Students)

4. *Any complaint alleging district noncompliance with the prohibition against requiring students to pay fees, deposits, or other charges for participation in educational activities (5 CCR 4610).*

(cf. 3260 - Fees and Charges)

(cf. 3320 - Claims and Actions Against the District)

5. *Any complaint alleging district noncompliance with legal requirements related to the implementation of the local control and accountability plan (Education Code 52075).*

(cf. 0460 - Local Control and Accountability Plan)

6. *Any complaint, by or on behalf of any student who is a foster youth, alleging district noncompliance with any legal requirement applicable to the student regarding placement decisions, the responsibilities of the district's educational liaison to the student, the award of credit for coursework satisfactorily completed in another school or district, school transfer, or the grant of an exemption from Board-imposed graduation requirements (Education Code 48853, 48853.5, 49069.5, 51225.1, 51225.2).*

(cf. 6173.1 - Education for Foster Youth)

7. *Any complaint, by or on behalf of a homeless student as defined in 42 USC 11434a, alleging district noncompliance with any requirement applicable to the student regarding the award of credit for coursework satisfactorily completed in another school or district or the grant of an exemption from Board-imposed graduation requirements (Education Code 51225.1, 51225.2).*

(cf. 6173 - Education for Homeless Children)

8. *Any complaint alleging district noncompliance with the requirements of Education Code 51228.1 and 51228.2 that prohibit the assignment of a student to a course without educational content for more than one week in any semester or to a course the student has previously satisfactorily completed, without meeting specified conditions (Education Code 51228.3).*

(cf. 6152 - Class Assignment)

9. *Any complaint alleging district noncompliance with the physical education instructional minutes requirement for students in elementary school (Education Code 51210, 51223).*

(cf. 6142.7 - Physical Education and Activity)

10. *Any complaint alleging retaliation against a complainant or other participant in the complaint process or anyone who has acted to uncover or report a violation subject to this policy.*

UNIFORM COMPLAINT PROCEDURES (continued)

11. Any other complaint as specified in a district policy

The Board prohibits any form of retaliation against any complainant in the complaint process. The Board shall ensure that complainants are protected from retaliation and the identity of a complainant alleging discrimination, harassment, intimidation, or bullying, will remain confidential as appropriate. Participation in the complaint process shall not in any way affect the status, grades, or work assignments of the complainant.

The Board encourages the early, informal resolution of complaints at the site level whenever possible.

The Board recognizes that a neutral mediator can often suggest a compromise that is agreeable to all parties in a dispute. In accordance with uniform complaint procedure, whenever all parties to a complaint agree to try to resolve the problem through mediation, the Superintendent or designee shall initiate that process. The Superintendent or designee shall ensure that the results are consistent with state and federal laws and regulations.

In investigating complaints, the confidentiality of the parties involved and the integrity of the process shall be protected. As appropriate, the Superintendent or designee may keep the identity of a complainant confidential to the extent that the investigation of the complaint is not obstructed.

The Board acknowledges and respects every individual's right to privacy. Discrimination, harassment, intimidation, or bullying complaints shall be investigated in a manner that protects the confidentiality of the parties and the integrity of the process. This may include keeping the identity of the complainant confidential, as appropriate and except to the extent necessary to carry out the investigation or proceedings, as determined by the Superintendent or designee, on a case-by-case basis.

(cf. 4119.23/4219.23/4319.23 - Unauthorized Release of Confidential/Privileged Information)

(cf. 5125 - Student Records)

(cf. 9011 - Disclosure of Confidential/Privileged Information)

Unlawful discrimination, harassment, intimidation or bullying complaints shall be filed no later than six months from the date the alleged discrimination, harassment, intimidation, or bullying occurred, or six months from the date the complainant first obtained knowledge of the facts of the alleged discrimination, harassment, intimidation, or bullying.

UNIFORM COMPLAINT PROCEDURES (continued)

The district's Williams uniform complaint procedures, AR 1312.4, shall be used to investigate and resolve any complaint related to the following:

1. Sufficiency of textbooks or instructional materials
2. Emergency or urgent facilities conditions that pose a threat to the health or safety of students or staff
3. Teacher vacancies and misassignments

(cf. 1312.4 - Williams Uniform Complaint Procedures)

Legal Reference:

EDUCATION CODE

200-262.4 Prohibition of discrimination

222 Reasonable accommodations; lactating students

8200-8498 Child care and development programs

8500-8538 Adult basic education

18100-18203 School libraries

32289 School safety plan, uniform complaint procedure

35186 Williams uniform complaint procedure

~~41500-41513 Categorical education block grants~~

48853-48853.5 Foster youth

48985 Notices in language other than English

49010-49013 Student fees

49060-49079 Student records

49069.5 Rights of parents

49490-49590 Child nutrition programs

51210 Courses of study grades 1-6

51223 Physical education, elementary schools

51225.1-51225.2 Foster youth and homeless children; course credits; graduation requirements

51228.1-51228.3 Course periods without educational content

52060-52077 Local control and accountability plan, especially

52075 Complaint for lack of compliance with local control and accountability plan requirements

52160-52178 Bilingual education programs

52300-52490 Career-technical education

52500-52616.24 Adult schools

52800-52870 School-based coordinated programs

54000-54028 Economic impact aid programs

~~54100-54145 Miller Unruh Basic Reading Act~~

~~54400-54425 Compensatory education programs~~

54440-54445 Migrant education

54460-54529 Compensatory education programs

56000-56867 Special education programs

59000-59300 Special schools and centers

64000-64001 consolidated application process

GOVERNMENT CODE

11135 Nondiscrimination in programs or activities funded by state

12900-12996 Fair Employment Housing Act

PENAL CODE

422.55 Hate crime; definition

422.6 Interference with constitutional right or privilege

CODE OF REGULATIONS, TITLE 5

3080 Application of section

4600-4687 Uniform complaint procedures

UNIFORM COMPLAINT PROCEDURES (continued)

4900-4965 Nondiscrimination in elementary and secondary education programs

UNITED STATES CODE, TITLE 20

1221 Application of laws

1232g Family Educational Rights and Privacy Act

1681-1688 Title IX of the Education Amendments of 1972

6301-6577 Title I basic programs

6601-6777 Title II preparing and recruiting high quality teachers and principals

6801-6871 Title III language instruction for limited English proficient and immigrant students

7101-7184 Safe and Drug-Free Schools and Communities Act

7201-7283g Title V promoting informed parental choice and innovative programs

7301-7372 Title V rural and low-income school programs

12101-12213 Title II equal opportunity for individuals with disabilities

UNITED STATES CODE, TITLE 29

794 Sections 504 of Rehabilitation Act of 1973

UNITED STATES CODE, TITLE 42

2000d-2000e-17 Title VI and Title VII Civil Rights Act of 1964, as amended

2000h-2-2000h-6 Title IX of the Civil Rights Act of 1964

6101-6107 Age Discrimination Act of 1975

CODE OF FEDERAL REGULATIONS, TITLE 28

35.107 Nondiscrimination on basis of disability; complaints

CODE OF FEDERAL REGULATIONS, TITLE 34

99.1-99.67 Family Educational Rights and Privacy Act

100.3 Prohibition of discrimination on basis of race, color or national origin

104.7 Designation of responsible employee for Section 504

106.8 Designation of responsible employee for Title IX

106.9 Notification of nondiscrimination on basis of sex

110.25 Notification of nondiscrimination on the basis of age

Management Resources:

U.S. DEPARTMENT OF EDUCATION, OFFICE FOR CIVIL RIGHTS PUBLICATIONS

Dear Colleague Letter: Title IX Coordinators, April 2015

Questions and Answers on Title IX and Sexual Violence, April 2014

Dear Colleague Letter: Bullying of Students with Disabilities, August 2013

Dear Colleague Letter: Sexual Violence, April 2011

Dear Colleague Letter: Harassment and Bullying, October 2010

Revised Sexual Harassment Guidance: Harassment of Students by School Employees, Other Students, or Third Parties, January 2001

U.S. DEPARTMENT OF JUSTICE PUBLICATIONS

Guidance to Federal Financial Assistance Recipients Regarding Title VI Prohibition against National Origin Discrimination Affecting Limited English Proficient Persons, 2002

WEB SITES

CSBA: <http://www.csba.org>

California Department of Education: <http://www.cde.ca.gov>

Family Policy Compliance Office: <http://familypolicy.ed.gov>

U.S. Department of Education, Office for Civil Rights:

<http://www.ed.gov/about/offices/list/ocr/index.html>

U.S. Department of Justice: <http://www.justice.gov>

Policy

Adopted: October 19, 2011

Revised: January 16, 2013; June 26, 2013; September 4, 2013; August 24, 2016

OXNARD SCHOOL DISTRICT

Oxnard, California

UNIFORM COMPLAINT PROCEDURES

Except as the Governing Board may otherwise specifically provide in other district policies, these uniform complaint procedures (UCP) shall be used to investigate and resolve only the complaints specified in BP 1312.3.

~~This document applies to the filing, investigation and resolution of a Uniform Complaint Procedures (UCP) complaint regarding an alleged violation by a local agency of federal or state law or regulations governing educational programs, the prohibition against requiring students to pay fees, deposits, or other charges for participating in educational activities, and unlawful discrimination, harassment, intimidation, and bullying regarding actual or perceived characteristics such as age, ancestry, color, ethnic group identification, gender expression, gender identity, gender, mental or physical disability, nationality, national origin, race or ethnicity, religion, sex, sexual orientation, marital or parental status, or genetic information, or on the basis of a person's association with a person or group with one or more of these actual or perceived characteristics.~~

This document presents information about how the Oxnard School District processes UCP complaints concerning particular programs or activities in which we receive state or federal funding. A complaint is a written and signed statement by a complainant alleging a violation of federal or state laws or regulations, including the prohibition against requiring students to pay fees, deposits, or other charges for participating in educational activities, which may include an allegation of unlawful discrimination, harassment, intimidation, and bullying. A complainant is any individual, including a person's duly authorized representative or an interested third party, public agency, or organization who files a written complaint alleging violation of federal or state laws or regulations, including the prohibition against requiring students to pay fees, deposits, or other charges for participating in educational activities, and/or allegations of unlawful discrimination, harassment, intimidation, and bullying in programs and activities funded directly by the state or receiving any financial assistance from the state. If the complainant is unable to put the complaint in writing, due to conditions such as a disability or illiteracy, the public agency shall assist the complainant in the filing of the complaint.

Programs or activities in which the Oxnard School District receives state or federal funding are:

- Consolidated Categorical Aid Programs
- Migrant Education
- Child Care and Developmental Programs
- Child Nutrition Programs
- Special Education Programs
- Safety Planning Requirements

This document also applies to the filing of complaints which allege unlawful discrimination (*such as* harassment, intimidation, and bullying) *or retaliation* against any protected group as ~~identified under Education Code section 200 and 220 and Government Code section 11135,~~ including those with actual or perceived characteristics such as age, ancestry, color, ethnic group identification, gender expression, gender identity, gender, disability, nationality,

UNIFORM COMPLAINT PROCEDURES (continued)

national origin, race or ethnicity, religion, sex, sexual orientation, marital or parental status, or genetic information or on the basis of a person's association with a person or group with one or more of these actual or perceived characteristics, in any program or activity conducted by a local agency, which is funded directly by, or that receives or benefits from any state financial assistance.

The following complaints shall be referred to other agencies for appropriate resolution and are not subject to our UCP process set forth in this document unless these procedures are made applicable by separate interagency agreements:

1. Allegations of child abuse shall be referred to County Dept. of Social Services (DSS), Protective Services Division or appropriate law enforcement agency.
2. Health and safety complaints regarding a Child Development Program shall be referred to Dept. of Social Services for licensed facilities, and to the appropriate Child Development regional administrator for licensing-exempt facilities.
3. Employment discrimination complaints shall be sent to the State Dept. of Fair Employment and Housing (DFEH).
4. Allegations of fraud shall be referred to the Legal, Audits and Compliance Branch in the California Department of Education (CDE).

The responsibilities of the Oxnard School District

The Oxnard School District has the primary responsibility to ensure compliance with applicable state and federal laws and regulations. We shall investigate complaints alleging failure to comply with applicable state and federal laws and regulations, the prohibition against requiring students to pay fees, deposits, or other charges for participating in educational activities and/or alleging discrimination, harassment, intimidation, and bullying and seek to resolve those complaints in accordance with our UCP procedures.

Our UCP policies shall ensure that complainants are protected from retaliation and that the identity of a complainant alleging discrimination, harassment, intimidation, and bullying remain confidential as appropriate. We submitted our UCP policies and procedures to our local governing board for approval and adoption (see the top of this document for final adoption date).

The person responsible for receiving and investigating complaints and ensuring our compliance with state and federal laws and regulations is:

Name or title: Assistant Superintendent, Human Resources and Support Services

Address: 1051 South A Street, Oxnard, CA 93030

Phone Number: (805) 385-1501 ext. 2050

We ensure that the person above, who is responsible for compliance and/or investigations, is knowledgeable about the laws/programs that he/she is assigned to investigate.

UNIFORM COMPLAINT PROCEDURES (continued)

We shall annually notify in writing our students, employees, parents or guardians of our students, the district advisory committee, school advisory committees, appropriate private school officials or representatives, and other interested parties of our UCP process, including the opportunity to appeal to our governing board and the provisions of this document by disseminating the UCP Annual Notice to all of the above required groups each school year. An appeal is a request made in writing to a level higher than the original reviewing level by an aggrieved party requesting reconsideration or a reinvestigation of the lower adjudicating body's decision.

Our UCP Annual Notice shall also advise the recipient of any civil law remedies that may be available under state or federal discrimination, harassment, intimidation, and bullying laws, if applicable, and of the appeal pursuant to Education Code section 262.3. Our UCP Annual Notice shall be in English and in the primary language, pursuant to section 48985 of the Education Code, or mode of communication of the recipient of the notice.

Our UCP Annual Notice shall also advise that the U.S. Department of Education Office for Civil Rights (“OCR”) is a resource available to complainants to resolve discrimination complaints. The OCR can be contacted at:

San Francisco Office
Office for Civil Rights
U.S. Department of Education
50 Beale Street, Suite 7200
San Francisco CA 94105-1813
Telephone: 415-486-5555
FAX: 415-486-5570; TDD: 1-800-877-8339
Email: ocr.sanfrancisco@ed.gov

A copy of this UCP complaint policies and procedures document shall be available free of charge.

Filing a complaint with the Oxnard School District

Williams Complaints regarding instructional materials, emergency or urgent facilities conditions that pose a threat to the health or safety of pupils or staff, and teacher vacancies or misassignments, complaints regarding the prohibition against requiring students to pay fees, deposits, or other charges for participating in educational activities, and/or complaints that allege discrimination, harassment, intimidation, and bullying, any individual, public agency or organization may file a written complaint with our district superintendent or his or her designee alleging a matter which, if true, would constitute a violation by our LEA of federal or state law or regulation governing a program.

UNIFORM COMPLAINT PROCEDURES (continued)

An investigation of alleged unlawful discrimination, harassment, intimidation, and bullying ~~and/or the prohibition against requiring students to pay fees, deposits, or other charges for participating in educational activities,~~ shall be initiated by filing a complaint no later than six months from the date the alleged violation ~~requiring students to pay fees, deposits, or other charges for participating in educational activities,~~ and/or of discrimination, harassment, intimidation, or bullying occurred, or the date the complainant first obtained knowledge of the facts of the alleged violation ~~requiring students to pay fees, deposits, or other charges for participating in educational activities,~~ and/or discrimination, harassment, intimidation, and bullying.

The time for filing may be extended in writing by our district superintendent or his or her designee, upon written request by the complainant setting forth the reasons for the extension. The period for filing may be extended by our superintendent or his or her designee for good cause for a period not to exceed 90 calendar days following the expiration of the six month time period. Our superintendent shall respond immediately upon a receipt of a request for extension.

An investigation regarding the prohibition against requiring students to pay fees, deposits, or other charges for participating in educational activities, shall be initiated by filing a complaint no later than one year from the date the alleged violation occurred.

The complaint shall be filed by one who alleges that he or she has personally suffered a violation requiring students to pay fees, deposits, or other charges for participating in educational activities, and/or unlawful discrimination, harassment, intimidation, and bullying or by one who believes an individual or any specific class of individuals has been subjected to a violation requiring students to pay fees, deposits, or other charges for participating in educational activities, and/or discrimination, harassment, intimidation, and bullying prohibited by this part.

An investigation of a violation requiring students to pay fees, deposits, or other charges for participating in educational activities, and/or discrimination, harassment, intimidation, and bullying complaint shall be conducted in a manner that protects confidentiality of the parties and maintains the integrity of the process.

A complaint alleging noncompliance with the law regarding the prohibition against requiring students to pay student fees, deposits, and charges may be filed anonymously if the complaint provides evidence or information leading to evidence to support an allegation of noncompliance. (Education Code 49013)

If a complaint alleging noncompliance with the laws regarding student fees, deposits, and other charges is found to have merit, the district shall provide a remedy to all affected students and parents/guardians, which, where applicable, shall include reasonable efforts to ensure full reimbursement ~~to them~~ of pupil fees paid within one year prior to the filing of the complaint. (Education Code 49013)

UNIFORM COMPLAINT PROCEDURES (continued)

Except for Williams Complaints, within 60 calendar days from the date of the receipt of the complaint, we shall conduct and complete an investigation of the complaint in accordance with our UCP policies and procedures and prepare a written Decision; also known as a final report. This time period may be extended by written agreement of the complainant.

The investigation shall include an opportunity for the complainant, or the complainant's representative, or both, to present the complaint(s) and evidence or information leading to evidence to support the allegations of non-compliance with state and federal laws and/or regulations.

Refusal by the complainant to provide the investigator with documents or other evidence related to the allegations in the complaint, or to otherwise fail or refuse to cooperate in the investigation or engage in any other obstruction of the investigation, may result in the dismissal of the complaint because of a lack of evidence to support the allegations.

Refusal by the Oxnard School District to provide the investigator with access to records and/or other information related to the allegation in the complaint, or to otherwise fail or refuse to cooperate in the investigation or engage in any other obstruction of the investigation, may result in a finding based on evidence collected that a violation has occurred and may result in the imposition of a remedy in favor of the complainant.

We shall issue a Decision based on the evidence. The Decision shall be in writing and sent to the complainant within 60 calendar days from receipt of the complaint by the local educational agency. The Decision should contain:

- (i) the findings of fact based on the evidence gathered,
- (ii) conclusion of law,
- (iii) disposition of the complaint,
- (iv) the rationale for such disposition,
- (v) corrective actions, if any are warranted,
- (vi) notice of the complainant's right to appeal our LEA Decision to the District Superintendent or CDE, and
- (vii) procedures to be followed for initiating an appeal to the District Superintendent or CDE.

Specifically, a complainant may appeal decisions and/or findings involving allegations of discrimination, harassment, intimidation, or bullying to the District Superintendent within 15 days of the issuance of the Decision. The complainant shall specify the reason(s) for

UNIFORM COMPLAINT PROCEDURES (continued)

appealing the Decision to the Superintendent and include a copy of the Decision. The Superintendent, or his/her designee, shall issue a final written letter of findings to the complainant regarding the disposition of the appeal and rationale for the disposition.

~~Additionally, a complainant may also appeal decisions and/or findings involving allegations of discrimination, harassment, intimidation, or bullying to the CDE — Office of Equal Opportunity by filing a written appeal within 15 days after receiving the Decision.~~

Any complainant who is dissatisfied with the district's final written decision may file an appeal in writing with the CDE within 15 calendar days of receiving the district's decision. (Education Code 222, 48853, 48853.5, 49013, 49069.5, 51223, 51225.1, 51225.2, 51228.3, 52075; 5 CCR 4632)

The written appeal shall specify the reason(s) for appealing the decision *and whether the facts are incorrect and/or the law has been misapplied. The appeal shall be accompanied by a copy of the locally filed complaint* and include a copy of the Decision. (5 CCR 4632).

The California Department of Education can be contacted at:

Office of Equal Opportunity
California Department of Education
1430 N Street
Sacramento CA 95814
Phone: 916-445-9174
Facsimile: 916-324-9818

Upon notification by the CDE that the complainant has appealed the district's decision, the Superintendent or designee shall forward the following documents to the CDE: (5 CCR 4633)

1. *A copy of the original complaint*
2. *A copy of the written decision*
3. *A summary of the nature and extent of the investigation conducted by the district, if not covered by the decision*
4. *A copy of the investigation file including, but not limited to, all notes, interviews, and documents submitted by the parties and gathered by the investigator*
5. *A report of any action taken to resolve the complaint*
6. *A copy of the district's uniform complaint procedures*
7. *Other relevant information requested by the CDE*

UNIFORM COMPLAINT PROCEDURES (continued)

Nothing in this document shall prohibit anyone involved in the complaint from utilizing alternative methods to resolve the allegations, such as mediation. Nor are we prohibited from resolving complaints prior to the formal filing of a written complaint. Mediation is a problem solving activity whereby a third party assists the parties to the dispute in resolving the complaint.

State and Federal Laws cited:

1. 34 Code of Federal Regulations [CFR] §§ 300.510-511
2. California Code of Regulations [CCR] Title 5 §§ 4600–4687
3. California Code of Regulations [CCR] Title 5 § 4610(b)
4. California Code of Regulations [CCR] Title 5 § 4622
5. California Code of Regulations [CCR] Title 5 §§ 4630–4631
6. California Education Code [EC] §§ 200, 220, 262.3
7. California Education Code [EC] § 262.3(d)
8. California Education Code [EC] § 35186
9. Government Code [GC] §§ 11135, 11138

Regulation

approved: October 19, 2011

Revised: January 16, 2013; June 26, 2013; September 4, 2013; August 24, 2016

OXNARD SCHOOL DISTRICT

Oxnard, California

BOARD AGENDA ITEM

Name of Contributor(s): **Dr. Jesus Vaca**

Date of Meeting: **August 3, 2016**

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda _____
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading X 2nd Reading _____

SUPERINTENDENT’S CONTRACT – BP 2121: Revision (Vaca)

DESCRIPTION OF AGENDA ITEM:

The policy has been updated to reflect new laws, as recommended by the California School Boards Association.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees review the attached policy for first reading and eventual approval at the August 24, 2016 board meeting.

ADDITIONAL MATERIAL(S):

BP 2121 Superintendent’s Contract (three pages)

SUPERINTENDENT'S CONTRACT

In approving employment contracts with the Superintendent, the Board of Trustees wishes to encourage the Superintendent's long-term commitment to the district and community while carefully considering the financial and legal implications of the contract in order to protect the district from any potentially adverse obligations.

(cf. 2120 - Superintendent Recruitment and Selection)

(cf. 4312.1 - Contracts)

(cf. 9000 - Role of the Board)

The Board may designate a representative to negotiate with the Superintendent on its behalf and shall consult legal counsel to draft the contract document.

The Board shall deliberate in closed session about the terms of the contract, *except that salary or other compensation shall be discussed in public at a regular meeting.* (Government Code 54956, 54957)

(cf. 9320 - Meetings and Notices)

(cf. 9321 - Closed Session Purposes and Agendas)

(cf. 9321.1 - Closed Session Actions and Reports)

Terms of the contract shall remain confidential until the ratification process commences.

(cf. 9011 - Disclosure of Confidential/Privileged Information)

The Board shall ratify the Superintendent's contract in an open meeting, which shall be reflected in the Board's minutes. Copies of the contract shall be available to the public upon request. (Government Code 53262)

(cf. 3580 - District Records)

The contract shall include, but not be limited to, provisions for salary and benefits, annual evaluations, term of the contract, and conditions for termination of the contract. The contract should also include general responsibilities and duties of the Superintendent.

(cf. 2110 - Superintendent Responsibilities and Duties)

The term of the contract shall be for no more than four years. (Education Code 35031)

During the term of the contract, the Board may reemploy the Superintendent on those terms and conditions mutually agreed upon by the Board and Superintendent. (Education Code 35031)

The Superintendent's contract shall be extended only by Board action and subsequent to a satisfactory evaluation of the Superintendent's performance.

(cf. 2140 - Evaluation of the Superintendent)

SUPERINTENDENT'S CONTRACT (continued)

In the event that the Board determines not to reemploy the Superintendent, the Board shall provide written notice to the Superintendent at least 45 days in advance of the expiration of the term of the contract. (Education Code 35031)

The Superintendent's contract shall include a provision specifying the maximum cash settlement that the Superintendent may receive upon termination of the contract. However, if the unexpired term of the contract is greater than 18 months *and the contract was executed prior to January 1, 2016*, the maximum cash settlement shall be no more than the Superintendent's monthly salary multiplied by 18. *For any contract executed on or after January 1, 2016, any cash settlement shall not exceed the Superintendent's monthly salary multiplied by 12. (Government Code 53260).*

The cash settlement shall not include any noncash items other than health benefits, which may be continued for the unexpired term of the contract up to 18 months or until the Superintendent finds other employment, whichever occurs first. (Government Code 53260, 53261)

(cf. 4117.5/4217.5/4317.5 - Termination Agreements)

If the Board terminates the Superintendent's contract upon its belief and subsequent confirmation pursuant to an independent audit that the Superintendent has engaged in fraud, misappropriation of funds, or other illegal practices, *no cash or noncash settlement of any amount shall be provided. ~~the maximum settlement shall be within the limits prescribed by law, as determined by an administrative law judge.~~* (Government Code 53260)

In addition, if the Superintendent is convicted of a crime involving an abuse of his/her office or position, he/she shall reimburse the district for payments he/she receives as paid leave salary pending investigation or as cash settlement upon his/her termination, and for any funds expended by the district in his/her defense against a crime involving his/her office or position. (Government Code 53243-53243.4, 53260)

Legal Reference:

EDUCATION CODE

35031 *Term of employment*

41325-41329.3 *Conditions of emergency apportionment*

GOVERNMENT CODE

3511.1-3511.2 *Local agency executives*

53243-53243.4 *Abuse of office*

53260-53264 *Employment contracts*

54954 *Time and place of regular meetings*

54956 *Special meetings*

54957 *Closed session personnel matters*

54957.1 *Closed session, public report of action taken*

SUPERINTENDENT'S CONTRACT (continued)

Management Resources:

CSBA PUBLICATIONS

~~Maximizing School Board Governance: Superintendent Selection and Employment, 2004~~

Superintendent Contract Template, 2015

WEB SITES

CSBA, Single District Governance Services: <http://www.csba.org>

Association of California School Administrators: <http://www.acsa.org>

Policy
approved: October 19, 2011
Revised: August 24, 2016

OXNARD SCHOOL DISTRICT
Oxnard, California

BOARD AGENDA ITEM

Name of Contributor(s): **Dr. Jesus Vaca**

Date of Meeting: **August 3, 2016**

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda _____
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading X 2nd Reading _____

DISRUPTIONS – BP and AR 3515.2: Revision (Vaca)

DESCRIPTION OF AGENDA ITEM:

The policy and regulation have been updated to reflect new laws, as recommended by the California School Boards Association.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees review the attached regulation and policy for first reading and eventual approval at the August 24, 2016 board meeting.

ADDITIONAL MATERIAL(S):

- BP 3515.2 Disruptions (three pages)
- AR 3515.2 Disruptions (three pages)

DISRUPTIONS

The Board of Trustees is committed to providing a safe environment for district students, staff, and others while they are on district property or engaged in school activities.

The Superintendent or designee shall remove any individual who, by his/her presence or action, disrupts or threatens to disrupt normal district or school operations, threatens the health or safety of anyone on district property, or causes or threatens to cause damage to district property or to any property on school grounds.

(cf. 1250 - Visitors/Outsiders)

(cf. 3515 - Campus Security)

(cf. 4118 - Suspension/Disciplinary Action)

(cf. 4158/4258/4358 - Employee Security)

(cf. 4218 - Dismissal/Suspension/Disciplinary Action)

(cf. 5131.4 - Student Disturbances)

The Superintendent or designee shall establish a plan describing staff responsibilities and actions to be taken when an individual is causing a disruption. ~~In developing such a plan, the Superintendent or designee shall consult with law enforcement to create guidelines for law enforcement support and intervention in the event of a disruption.~~ *The plan shall address, as appropriate, visitor registration procedures; campus security measures; evacuation procedures; lock-down procedures; possible responses to an active shooter situation; communications within the school and with parents/guardians, law enforcement, and the media in the event of an emergency; and crisis counseling or other assistance for students and staff after a disruption. In developing such a plan, the Superintendent or designee shall consult with law enforcement to create guidelines for law enforcement support and intervention when necessary.*

(cf. 0450 - Comprehensive Safety Plan)

(cf. 3515.3 - District Police/Security Department)

(cf. 3515.7 - Firearms on School Grounds)

(cf. 3516 - Emergencies and Disaster Preparedness Plan)

The Superintendent or designee shall provide training to school staff on how to identify and respond to actions or situations that may constitute a disruption.

(cf. 4131 - Staff Development)

(cf. 4231 - Staff Development)

(cf. 4331 - Staff Development)

Any employee who believes that a disruption may occur shall immediately contact the principal. The principal or designee shall notify law enforcement in accordance with Education Code 48902 and 20 USC 7151 and in other situations, as appropriate.

DISRUPTIONS (continued)*Legal Reference:***EDUCATION CODE***32210 Willful disturbance of public school or meeting, misdemeanor**32211 Threatened disruption or interference with classes; misdemeanor**35160 Authority of governing boards**44810 Willful interference with classroom conduct**44811 Disruption of classwork or extracurricular activities**48902 Notification of law enforcement authorities**51512 Prohibited use of electronic listening or recording device***PENAL CODE***243.5 Assault or battery on school property**415.5 Disturbance of peace of school**626-626.11 Schools, crimes, especially:**626.7 Failure to leave campus or facility; wrongful return; penalties; notice; exceptions**626.8 Disruptive presence at schools**626.81 Misdemeanor for registered sex offender to come onto school grounds**626.85 Misdemeanor for specified drug offender presence on school grounds**626.9 Gun Free School Zone Act**627-627.10 Access to school premises**653b Loitering about schools or public places**12556 Imitation firearms**30310 Prohibition against ammunition on school grounds***UNITED STATES CODE, TITLE 20***7151 Gun-Free Schools Act***COURT DECISIONS***Reeves v. Rocklin Unified School District, (2003) 109 Cal.App.4th 652**In Re Joseph F., (2000) 85 Cal.App.4th 975**In Re Jimi A., (1989) 209 Cal.App.3d 482**In Re Oscar R., (1984) 161 Cal.App.3d 770***ATTORNEY GENERAL OPINIONS***79 Ops.Cal.Atty.Gen. 58 (1996)**Management Resources:***CSBA PUBLICATIONS***911! A Manual for Schools and the Media During a Campus Crisis, 2001***U.S. DEPARTMENT OF EDUCATION PUBLICATIONS***Guide for Developing High-Quality School Emergency Operations Plans, 2013***WEB SITES***CSBA: <http://www.csba.org>**California Department of Education, Safe Schools Office: <http://www.cde.ca.gov/lr/ss>**U.S. Department of Education: <http://www.ed.gov>***Safe School Zone**

~~Possession of a firearm within 1000 feet of any district school is prohibited except when authorized by law. (Penal Code 626.9)~~

~~Possession of any other unauthorized weapon or dangerous instrument is prohibited on school grounds or buses and at school-related or school-sponsored activities without the written permission of school authorities.~~

~~(cf. 5131.7—Weapons and Dangerous Instruments)~~

~~(cf. 5144.1—Suspension and Expulsion/Due Process)~~

~~Legal Reference: (see next page)~~

DISRUPTIONS (continued)

(cf. 5144.2 – Suspension and Expulsion/Due Process (Students with Disabilities))

Legal Reference:

EDUCATION CODE

*32210 Willful disturbance of public school or meeting, misdemeanor
32211 Threatened disruption or interference with classes; misdemeanor
35160 Authority of governing boards
44810 Willful interference with classroom conduct
44811 Disruption of classwork or extracurricular activities
48902 Notification of law enforcement authorities
51512 Prohibited use of electronic listening or recording device*

PENAL CODE

*243.5 Assault or battery on school property
415.5 Disturbance of peace of school
626-626.11 Schools, crimes, especially:
626.7 Failure to leave campus or facility; wrongful return; penalties; notice; exceptions
626.8 Disruptive presence at schools
626.81 Misdemeanor for registered sex offender to come onto school grounds
626.85 Misdemeanor for specified drug offender presence on school grounds
626.9 Gun Free School Zone Act
627-627.10 Access to school premises
653b Loitering about schools or public places
12556 Imitation firearms*

UNITED STATES CODE, TITLE 20

7151 Gun Free Schools Act

COURT DECISIONS

*Reeves v. Rocklin Unified School District, (2003) 109 Cal.App.4th 652
In Re Joseph F., (2000) 85 Cal.App.4th 975
In Re Jimi A., (1989) 209 Cal.App.3d 482
In Re Osear R., (1984) 161 Cal.App.3d 770*

ATTORNEY GENERAL OPINIONS

79 Ops. Cal. Atty. Gen. 58 (1996)

Management Resources:

CSBA PUBLICATIONS

911: A Manual for Schools and the Media During a Campus Crisis, 2001

U.S. DEPARTMENT OF EDUCATION PUBLICATIONS

Practical Information on Crisis Planning: A Guide for Schools and Communities, May 2003

WEB SITES

CSBA: <http://www.csba.org>

California Department of Education, Safe Schools Office: <http://www.cde.ca.gov/ls/ss>

U.S. Department of Education, Emergency Planning:

<http://www.ed.gov/admins/lead/safety/emergencyplan>

Policy
adopted: October 19, 2011
Revised: August 24, 2016

OXNARD SCHOOL DISTRICT
Oxnard, California

DISRUPTIONS

~~The principal or designee may direct any person, except a student, school employee, or other person required by his/her employment to be on school grounds, to leave school grounds if: (Education Code 44810, 44811; Penal Code 415.5, 626.7, 626.8, 626.81, 626.85)~~

- ~~1. The principal or designee has reasonable basis for concluding that the person is committing or has entered the campus with the purpose of committing an act which is likely to interfere with the peaceful conduct, discipline, good order, or administration of the school or a school activity, or with the intent of inflicting damage to any person or property.~~

~~(cf. 3515.3 – District Police/Security Department)~~

- ~~2. The person fights or challenges another person to a fight, willfully disturbs another person by loud and unreasonable noise, or uses offensive language which could provoke a violent reaction.~~

~~(cf. 4158/4258/4358 – Employee Security)~~

- ~~3. The person loiters around a school without lawful business for being present or reenters a school within 72 hours after he/she was asked to leave.~~
- ~~4. The person is required to register as a sex offender pursuant to Penal Code 290.~~

~~However, a registered sex offender may be on school grounds if he/she has a lawful purpose and written permission from the principal or designee.~~

~~(cf. 3515.5 – Sex Offender Notification)~~

The principal or designee may direct any person, except a student, school employee, or other person required by his/her employment to be on school grounds, to leave school grounds or school activity if:

- 1. The principal or designee has reasonable basis for concluding that the person is committing or has entered the campus with the purpose of committing an act which is likely to interfere with the peaceful conduct, discipline, good order, or administration of the school or a school activity, or with the intent of inflicting damage to any person or property. (Education Code 44810, 44811; Penal Code 626.7)*
- 2. The person fights or challenges another person to a fight, willfully disturbs another person by loud and unreasonable noise, or uses offensive language which could provoke a violent reaction. (Penal Code 415.5)*
- 3. The person, without lawful business for being present, loiters around a school or reenters a school within 72 hours after he/she was asked to leave. (Penal Code 653b)*

DISRUPTIONS (continued)

4. *The person is required to register as a sex offender pursuant to Penal Code 290 and does not have a lawful purpose and written permission from the principal or designee to be on school grounds. (Penal Code 626.81)*

(cf. 1250 - Visitors/Outsiders)

(cf. 3515.5 - Sex Offender Notification)

5. *The person is a specified drug offender, as defined in Penal Code 626.85, and does not have written permission from the principal or designee to be on school grounds. However, such specified drug offender may be on school grounds during any school activity if he/she is a student or the parent/guardian of a student attending the school. (Penal Code 626.85)*

6. *The person willfully or knowingly creates a disruption with the intent to threaten the immediate physical safety of students, staff, or others while attending, arriving at, or leaving school. (Penal Code 626.8)*

7. *The person has otherwise established a continued pattern of unauthorized entry on school grounds. (Penal Code 626.8)*

(cf. 1240 - Volunteer Assistance)

(cf. 3515.3 - District Police/Security Department)

(cf. 4158/4258/4358 - Employee Security)

(cf. 6145.2 - Athletic Competition)

The principal or designee shall allow a parent/guardian who was previously directed to leave school grounds to reenter for the purpose of retrieving his/her child for disciplinary reasons, medical attention, or family emergencies, or with the principal or designee's prior written permission. (Penal Code 626.7, 626.85)

- ~~5. The person is a specified drug offender as defined in Penal Code 626.85.~~

~~*(cf. 1240 - Volunteer Assistance)*~~

~~However, a specified drug offender may be on school grounds with written permission from the principal or designee or, if he/she is a parent/guardian of a child enrolled in that school, to attend a school activity.~~

- ~~6. The person has otherwise established a continued pattern of unauthorized entry on school grounds.~~

~~The principal or designee shall allow a parent/guardian who was previously directed to leave school grounds to reenter for the purpose of retrieving his/her child for disciplinary reasons,~~

DISRUPTIONS (continued)

~~medical attention, or family emergencies, or with the principal or designee's prior written permission. (Penal Code 626.7, 626.85)~~

When directing any person to leave school premises, the principal or designee shall inform the person that he/she may be guilty of a crime if he/she: (Education Code 32211; Penal Code 626.7, 626.8, 636.85)

1. Fails to leave or remains after being directed to leave (~~Penal Code 626.7, 626.8, 626.85~~)
2. Returns to the campus without following the school's posted registration requirements (~~Penal Code 626.7~~)
3. Returns within seven days after being directed to leave (~~Penal Code 626.8, 626.85~~)

(cf. 0450 - Comprehensive Safety Plan)
(cf. ~~1250 - Visitors/Outsiders~~)

Appeal Procedure

Any person who is asked to leave a school building or grounds may appeal to the Superintendent or designee. This appeal shall be made no later than the second school day after the person has departed from the school building or grounds. After reviewing the matter with the principal or designee and the person making the appeal, the Superintendent or designee shall render his/her decision within 24 hours after the appeal is made, and this decision shall be binding. (Education Code 32211)

The decision of the Superintendent or designee may be appealed to the Board of Trustees. Such an appeal shall be made no later than the second school day after the Superintendent or designee has rendered his/her decision. The Board shall consider and decide the appeal at its next scheduled regular or adjourned regular public meeting. The Board's decision shall be final. (Education Code 32211)

In any circumstance where a person has been directed to leave a school building or ground where the Superintendent's or Board's office is situated, he/she may nevertheless enter the school building or ground solely for the purpose of making the appeal. (Education Code 32211)

Regulation
approved: October 19, 2011
Revised: August 24, 2016

OXNARD SCHOOL DISTRICT
Oxnard, California

BOARD AGENDA ITEM

Name of Contributor(s): **Dr. Jesus Vaca**

Date of Meeting: **August 3, 2016**

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda _____
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading X 2nd Reading _____

FIREARMS ON SCHOOL GROUNDS – BP 3515.7, E (1) and E (2): New (Vaca)

DESCRIPTION OF AGENDA ITEM:

The policy and exhibits have been added to reflect new laws, as recommended by the California School Boards Association.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees review the attached policy and exhibits for first reading and eventual approval at the August 24, 2016 board meeting.

ADDITIONAL MATERIAL(S):

- BP 3515.7 Firearms on School Grounds (three pages)
- E (1) 3515.7 Firearms on School Grounds (two pages)
- E (2) 3515.7 Firearms on School Grounds (three pages)

FIREARMS ON SCHOOL GROUNDS

Cautionary Notice: SB 707 (Ch. 766, Statutes of 2015) amended Penal Code 626.9 and 30310 to provide that a person with a concealed weapons license must obtain written permission of the Superintendent or designee in order to possess a firearm and/or ammunition on school grounds. In view of the public interest and safety issues involved, CSBA strongly recommends that the Governing Board adopt a policy either prohibiting or permitting such possession and, if such possession is allowed, establishing conditions and criteria for granting permission to individuals. Because the law now requires an affirmative action on the part of the district to allow or disallow concealed weapons permit holders to possess a firearm and/or ammunition on school grounds, it is possible that district liability could be increased. Thus, in adopting a policy, CSBA recommends that the Board consult with the district's legal counsel and insurance provider and with local law enforcement in order to carefully tailor the following sample policy to reflect the district's local circumstances.

The Governing Board is committed to providing a safe environment for students, staff, and visitors on campus. The Superintendent or designee shall consult with local law enforcement, insurance carriers, and other appropriate individuals and agencies to address the security of school campuses.

*(cf. 3515 - Campus Security)
(cf. 3515.2 - Disruptions)
(cf. 3515.3 - District Police/Security Department)
(cf. 4158/4258/4358 - Employee Security)
(cf. 5131.4 - Student Disturbances)
(cf. 5131.7 - Weapons and Dangerous Instruments)*

District policy regarding the possession of firearms and/or ammunition on school grounds shall be included in the district's comprehensive safety plan and shall be communicated to district staff, parents/guardians, and the community.

*(cf. 0450 - Comprehensive Safety Plan)
(cf. 1112 - Media Relations)
(cf. 1113 - District and School Web Sites)
(cf. 1114 - District-Sponsored Social Media)*

Any person specified in Penal Code 626.9(l)-(o) and 30310 is authorized to possess a firearm and/or ammunition on school grounds. School grounds include, but are not limited to, school buildings, fields, storage areas, and parking lots.

OPTION 1:

The Superintendent or designee shall not grant permission to any other individual to carry a firearm or ammunition on school grounds.

OPTION 2:

In addition, the Board authorizes the Superintendent or designee to grant written permission to a person who holds a valid Carry Concealed Weapon (CCW) license issued in California and who is at least 21 years of age to possess lawful firearms and/or ammunition on school grounds in accordance with law and Board policy.

FIREARMS ON SCHOOL GROUNDS (continued)

Any employee granted permission shall be an employee with no disciplinary record in the previous four years.

*(cf. 4116 - Probationary/Permanent Status)
(cf. 4118 - Dismissal/Suspension/Disciplinary Action)
(cf. 4218 - Dismissal/Suspension/Disciplinary Action)*

No staff member shall be required to carry a firearm and/or ammunition while on school grounds.

Any person requesting to carry a firearm on school grounds shall annually submit an application to the Superintendent or designee. He/she shall also provide a copy of a valid CCW license and meet any other requirement of the insurance provider, such as additional training or insurance coverage.

(cf. 3580 - District Records)

Any person who is granted permission shall be required to sign the district's firearm and ammunition possession agreement. The signed agreement shall be maintained in the district's records. The principal and other appropriate staff shall be notified regarding persons who have been granted permission.

Permission shall be granted only if the Superintendent or designee is satisfied that the possession on school grounds shall be for a peaceful and lawful purpose or activity and that the possessor will at all times comply with all terms included in the district's firearm and ammunition possession agreement.

Permission to carry a firearm and/or ammunition on school grounds may be revoked by the Board or the Superintendent or designee at any time. In addition, when any person granted permission to possess a firearm on campus is directed to leave school grounds for reasons of disruption or other violation of law or district policy, the permission is automatically revoked.

Legal Reference: (see next page)

FIREARMS ON SCHOOL GROUNDS (continued)

Legal Reference:

EDUCATION CODE

32281 *Comprehensive safety plan*

35160 *Powers and duties of the board*

35161 *Powers and duties of the board; authority to delegate*

38001.5 *District security officers; requirements if carry firearm*

PENAL CODE

626.9 *Gun Free School Zone Act*

830.32 *District police department; district decision to authorize carrying of firearm*

16150 *Definition of ammunition*

16520 *Definition of firearm*

26150-26225 *Concealed weapons permit*

30310 *Prohibition against ammunition on school grounds*

UNITED STATES CODE, TITLE 18

921 *Definitions, firearms and ammunition*

922 *Firearms, unlawful acts*

923 *Firearm licensing*

UNITED STATES CODE, TITLE 20

7151 *Gun-Free Schools Act; student expulsions for possession of firearm*

Management Resources:

WEB SITES

Office of the Attorney General: <https://oag.ca.gov/firearms>

FIREARMS ON SCHOOL GROUNDS

APPLICATION FOR FIREARM/AMMUNITION ON SCHOOL GROUNDS

Please fill out all three sections of this application and attach all documents listed in Section 2. Incomplete applications will not be processed.

Return this application to:

*Assistant Superintendent, Human Resources and Support Services
1051 South A Street, Oxnard, California 93030*

SECTION 1. Identifying Information

Name: _____ *Date of Birth:* _____

Phone: _____ *Email:* _____

School(s) at which I seek permission to carry a firearm and/or ammunition:

I am a (check one or more):

District employee (Job title: _____ Location: _____)

Parent/guardian of child(ren) at the following school(s): _____

Other: _____

Reason for requesting permission to carry firearm and/or ammunition on school grounds:

FIREARMS ON SCHOOL GROUNDS (continued)

SECTION 2. Required Documents

The following documents must be attached to this application:

1. Copy of a valid Carry Concealed Weapon (CCW) license issued in California

Date of expiration: _____

2. _____

SECTION 3. Acknowledgment

I understand that by submitting this application I am certifying under penalty of perjury under the laws of the State of California that the information provided is accurate and all documents attached are true and correct copies of the original. I understand that the decision to grant me permission to carry a firearm and/or ammunition on school grounds is at the sole discretion of the school district.

Print name: _____ Date: _____

Signature: _____

FIREARMS ON SCHOOL GROUNDS

FIREARM AND AMMUNITION POSSESSION AGREEMENT

The district permits the possession of firearms and ammunition on school grounds consistent with applicable law and Board policy. Before the Superintendent or designee grants such permission to any person to possess a firearm or ammunition on school grounds, the person requesting such permission must agree to the conditions described below regarding acceptable use and the safety restrictions imposed by the district.

I. Definitions

Ammunition means, but is not limited to, any bullet, cartridge, magazine, clip, speed loader, autoloader, or projectile capable of being fired from a firearm with a deadly consequence. Ammunition does not include blanks.

Firearm means a device, designed to be used as a weapon, from which is expelled through a barrel, a projectile by the force of an explosion or other form of combustion.

Carry Concealed Weapon (CCW) license means a valid, current permit to carry a concealed firearm issued by a county sheriff or chief of police within California and must contain no restriction on the carrying of a firearm on school grounds.

School grounds include, but are not limited to, school buildings, fields, storage areas, and parking lots.

II. District Rights

The Superintendent or designee shall notify the principal and other appropriate staff of all persons granted permission to carry a firearm and/or ammunition on school grounds.

Permission to carry a firearm and/or ammunition does not necessarily apply to all types of lawful firearms or ammunition. The Superintendent or designee may deny permission for any specific type of firearm or ammunition or otherwise change the scope of the permission.

The Superintendent or designee shall notify law enforcement in the event that the person uses a firearm or ammunition in a manner that threatens the safety of other persons or district property.

The district reserves the right to revoke, at any time, the permission granted to an individual to possess a firearm and/or ammunition on school grounds. Grounds for revocation include, but are not limited to, a violation of law, Board policy, or any terms of this Agreement; concerns of the Superintendent or designee about the individual's ability to safely use the firearm or ammunition on school grounds; or any subsequent change in Board policy that would prohibit the granting of permission to any individual.

FIREARMS ON SCHOOL GROUNDS (continued)

III. Responsibilities

Responsibilities of any person given permission to carry a firearm or ammunition on school grounds include, but are not necessarily limited to:

1. Abiding by all applicable laws, Board policy, and the terms of this Agreement
2. Ensuring the safe storage and handling of the firearm and ammunition
3. Notifying the Superintendent or designee whenever the CCW license is revoked, expires, has new restrictions placed on it, or is renewed during the term of this Agreement and providing a copy of the renewed license as applicable
4. Only using the firearm and/or ammunition during an emergency that threatens the safety of students, staff, or other persons on school grounds and in accordance with applicable laws and the terms of the CCW license

IV. Acknowledgment of Receipt and Agreement

I acknowledge that I have received, read, and understood the Firearms and Ammunition Possession Agreement. I understand that any violations of this Agreement may be grounds for revocation of the Agreement.

For district employees: In addition, I understand that any violations of this Agreement may result in disciplinary action, up to and including termination.

My signature below indicates my knowing and voluntary acceptance of all the terms of this Agreement. I understand it is my obligation to apply to renew this Agreement before it expires in order to continue to possess a firearm or ammunition on school grounds.

Print Name

Signature

Date

VI. District Permission

Pursuant to Penal Code 626.9 and 30310 and as authorized by the Governing Board, I grant written permission to the following individual, whose name appears on the signature line under Section IV – Acknowledgement of Receipt and Agreement, to carry a firearm or ammunition on school grounds under the terms of this Agreement.

FIREARMS ON SCHOOL GROUNDS (continued)

I reserve the right to revoke or modify the scope of the permission granted in this Agreement. This Agreement shall automatically expire on the date listed below and may be renewed subject to district criteria.

| | |
|------------------|-------------------------------------|
| _____ | <i>Assistant Superintendent, HR</i> |
| <i>Name</i> | <i>Title</i> |
| _____ | _____ |
| <i>Signature</i> | <i>Date</i> |

Expiration date of Agreement: _____

BOARD AGENDA ITEM

Name of Contributor(s): **Dr. Jesus Vaca**

Date of Meeting: **August 3, 2016**

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda _____
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading X 2nd Reading _____

NONDISCRIMINATION IN EMPLOYMENT – BP 4030: Revision and AR 4030: New (Vaca)

DESCRIPTION OF AGENDA ITEM:

The policy and regulations have been updated or added to reflect new laws, as recommended by the California School Boards Association.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees review the attached policy and regulation for first reading and eventual approval at the August 24, 2016 board meeting.

ADDITIONAL MATERIAL(S):

- BP 4030 Nondiscrimination in Employment (five pages)
- AR 4030 Nondiscrimination in Employment (four pages)

NONDISCRIMINATION IN EMPLOYMENT

The Board of Trustees prohibits discrimination against and/or harassment of district employees and job applicants at any district site or activity on the basis of actual or perceived race, ethnicity, nationality, religion, *religious creed*, color, national origin, ancestry, age, marital status, pregnancy, physical or mental disability, medical condition, genetic information, *military and veteran status*, gender, *gender identity*, *gender expression*, sex, sexual orientation, or *association with a person or group with one or more of these actual or perceived characteristics*.

(cf. 0410 - Nondiscrimination in District Programs and Activities)

(cf. 4032 - Reasonable Accommodation)

(cf. 4033 - Lactation Accommodation)

(cf. 4119.11/4219.11/4319.11 - Sexual Harassment)

(cf. 4119.41/4219.41/4319.41 - Employees with Infectious Disease)

(cf. 4154/4254/4354 - Health and Welfare Benefits)

(cf. 5145.7 - Sexual Harassment)

The Board also prohibits discrimination against any employee or job applicant in compensation, terms, conditions, and other privileges of employment and the taking of any adverse employment action, including, but not limited to, termination or the denial of employment, promotion, job assignment, or training, against an employee or job applicant based on any of the categories listed above.

(cf. 4032 - Reasonable Accommodation)

(cf. 4154/4254/4354 - Health and Welfare Benefits)

Prohibited discrimination on the basis of religious creed includes discrimination based on an employee's or job applicant's religious belief or observance, including his/her religious dress or grooming practices. In accordance with Government Code 12940, prohibited discrimination on the basis of religious creed also includes the district's failure or refusal to use reasonable means to accommodate an employee's or job applicant's religious belief, observance, or practice which conflicts with an employment requirement. However, the district shall not accommodate an employee's religious dress practice or religious grooming practice if it requires segregation of the individual from other employees or the public or if it would result in a violation of this policy or any law prohibiting discrimination.

Prohibited sex discrimination includes discrimination based on an employee's or job applicant's pregnancy, childbirth, breastfeeding, or any related medical condition.

(cf. 4033 - Lactation Accommodation)

Prohibited discrimination or harassment consists of unwelcome conduct, whether verbal, physical, or visual, based on any of the prohibited categories of discrimination listed above that it is so severe and pervasive that it adversely affects an individual's employment opportunities or

NONDISCRIMINATION IN EMPLOYMENT (Continued)

has the purpose or effect of unreasonably interfering with his/her work performance or creating an intimidating, hostile, or offensive work environment.

The Board also prohibits retaliation against any district employee or job applicant who *opposes any discriminatory employment practice by the district or its employee, agent, or representative or who* complains, testifies, assists, or in any way participates in the district's complaint procedures instituted pursuant to this policy. *No employee or job applicant who requests an accommodation for any protected characteristic listed in this policy shall be subjected to any punishment or sanction, regardless of whether the request was granted. (Government Code 12940).*

Any district employee who engages or participates in prohibited discrimination or harassment, or who aids, abets, incites, compels, or coerces another to engage or attempt to engage in such behavior, shall be in violation of this policy and shall be subject to disciplinary action, up to and including dismissal.

(cf. 4117.4 - Dismissal)

(cf. 4118 - Suspension/Disciplinary Action)

(cf. 4218 - Dismissal/Suspension/Disciplinary Action)

~~The Board designates the following position as Coordinator for Nondiscrimination in Employment:~~

~~Assistant Superintendent, Human Resources and Support Services
1051 South A Street
Oxnard, CA 93030
805 385 1501~~

Any employee or job applicant who believes that he/she has been or is being discriminated against or harassed in violation of district policy or regulation should immediately contact his/her supervisor, the Coordinator, or the Superintendent who shall advise the employee or applicant about the district's procedures for filing, investigating, and resolving any such complaints.

Complaints regarding employment discrimination, ~~or~~ harassment, *or retaliation* shall immediately be investigated in accordance with AR 4031 Complaints Concerning Discrimination in Employment.

(cf. 4031 - Complaints Concerning Discrimination in Employment)

Any supervisory or management employee who observes or has knowledge of an incident of prohibited discrimination or harassment shall report the incident to his/her supervisor, the Coordinator, or Superintendent as soon as practical after the incident. All other employees are

NONDISCRIMINATION IN EMPLOYMENT (Continued)

encouraged to report such incidents to their supervisor immediately. *The district shall protect any employee who does report such incidents from retaliation.*

Training and Notifications

The Superintendent or designee shall provide training to employees about how to recognize harassment and discrimination, how to respond appropriately, and components of the district's policies and regulations regarding discrimination. *The Superintendent or designee shall regularly review the district's employment practices and, as necessary, shall take action to ensure district compliance with the nondiscrimination laws.*

(cf. 4131- Staff Development)

(cf. 4231- Staff Development)

(cf. 4331- Staff Development)

~~The Superintendent or designee shall regularly publicize, within the district and in the community, the district's nondiscrimination policy and the availability of complaint procedures. Such publication shall be included in each announcement, bulletin, or application form that is used in employee recruitment. (34 CFR 100.6, 106.9)~~

~~The district's policy shall be posted in all schools and offices including staff lounges and student government meeting rooms. (5 CCR 4960)~~

Other Remedies

~~An employee may, in addition to filing a discrimination complaint with the district, file a complaint with either the California Department of Fair Employment and Housing (DFEH) or the Equal Employment Opportunity Commission (EEOC). The time limits for filing such complaints are as follows:~~

~~1. To file a valid complaint with DFEH, the employee must file his/her complaint within one year of the alleged discriminatory act(s), unless an exception exists pursuant to Government Code 12960. (Government Code 12960)~~

~~2. To file a valid complaint directly with EEOC, the employee must file his/her complaint within 180 days of the alleged discriminatory act(s). To file a valid complaint with EEOC after filing a complaint with DFEH, the employee must file the complaint within 300 days of the alleged discriminatory act(s) or within 30 days after the termination of proceedings by DFEH, whichever is earlier. (42 USC 2000e-5)~~

NONDISCRIMINATION IN EMPLOYMENT (continued)

~~Employees wishing to file complaints with the DFEH and EEOC should contact the nondiscrimination coordinator for more information.~~

Legal Reference:

EDUCATION CODE

200-262.4 Prohibition of discrimination

CIVIL CODE

51.7 Freedom from violence or intimidation

GOVERNMENT CODE

11135 Unlawful discrimination

11138 Rules and regulations

12900-12996 Fair Employment and Housing Act

PENAL CODE

422.56 Definitions, hate crimes

CODE OF REGULATIONS, TITLE 2

~~7287.6~~ **11019** Terms, conditions and privileges of employment

CODE OF REGULATIONS, TITLE 5

4900-4965 Nondiscrimination in elementary and secondary education

UNITED STATES CODE, TITLE 20

1681-1688 Title IX of the Education Amendments of 1972

UNITED STATES CODE, TITLE 29

621-634 Age Discrimination in Employment Act

794 Section 504 of the Rehabilitation Act of 1973

UNITED STATES CODE, TITLE 42

2000d-2000d-7 Title VI, Civil Rights Act of 1964, as amended

2000e-2000e-17 Title VII, Civil Rights Act of 1964, as amended

2000ff-2000ff-11 Genetic Information Nondiscrimination Act of 2008

2000h-2-2000h-6 Title IX of the Civil Rights Act of 1964

6101-6107 Age discrimination in federally assisted programs

12101-12213 Americans with Disabilities Act

CODE OF FEDERAL REGULATIONS, TITLE 28

35.101-35.190 Americans with Disabilities Act

CODE OF FEDERAL REGULATIONS, TITLE 34

100.6 Compliance information

104.7 Designation of responsible employee for Section 504

104.8 Notice

106.8 Designation of responsible employee and adoption of grievance procedures

106.9 Dissemination of policy

110.1-110.39 Nondiscrimination on the basis of age

COURT DECISIONS

Thompson v. North American Stainless L.P. (2011) 131 S.Ct.863

Shephard v. Loyola Marymount, (2002) 102 CalApp.4th 837

Legal Reference Continued: (see next page)

NONDISCRIMINATION IN EMPLOYMENT (continued)

Management Resources:

CALIFORNIA DEPARTMENT OF FAIR EMPLOYMENT AND HOUSING PUBLICATIONS

California Law Prohibits Workplace Discrimination and Harassment, December 2014

U.S. DEPARTMENT OF EDUCATION, OFFICE FOR CIVIL RIGHTS PUBLICATIONS

Notice of Non-Discrimination, August 2010

EQUAL EMPLOYMENT OPPORTUNITY COMMISSION PUBLICATIONS

Questions and Answers: Religious Discrimination in the Workplace, 2008

New Compliance Manual Section 15: Race and Color Discrimination, April 2006

Enforcement Guidance: Reasonable Accommodation and Undue Hardship under the Americans with Disabilities Act, October 2002

Enforcement Guidance: Vicarious Employer Liability for Unlawful Harassment by Supervisors, June 1999

WEB SITES

California Department of Fair Employment and Housing: <http://www.dfeh.ca.gov>

U.S. Department of Education, Office for Civil Rights: <http://www.ed.gov/about/offices/list/ocr>

U.S. Equal Employment Opportunity Commission: <http://www.eeoc.gov>

Policy

adopted: November 2, 2011

Revised: June 26, 2013; August 24, 2016

OXNARD SCHOOL DISTRICT

Oxnard, California

NONDISCRIMINATION IN EMPLOYMENT

The district designates the position identified below as its coordinator for nondiscrimination in employment (coordinator) to coordinate the district's efforts to comply with state and federal nondiscrimination laws and to answer inquiries regarding the district's nondiscrimination policies. The coordinator may be contacted at:

*Assistant Superintendent, Human Resources and Support Services
1051 South A Street
Oxnard, California 93030
805-385-1501 extension 2050*

Measures to Prevent Discrimination

To prevent unlawful discrimination, harassment, and retaliation against district employees, volunteers, interns, and job applicants, the Superintendent or designee shall implement the following measures:

- 1. Publicize the district's nondiscrimination policy and regulation, including the complaint procedures and the coordinator's contact information, to employees, volunteers, interns, job applicants, and the general public by: (5 CCR 4960; 34 CFR 100.6, 106.9)*
 - a. Including them in each announcement, bulletin, or application form that is used in employee recruitment*
 - b. Posting them in all district schools and offices, including staff lounges and other prominent locations*
 - c. Posting them on the district's web site and providing easy access to them through district-supported social media, when available*

(cf. 1113 - District and School Web Sites)

(cf. 1114 - District-Sponsored Social Media)

- 2. Provide to employees a handbook that contains information that clearly describes the district's nondiscrimination policy, procedures for filing a complaint, and resources available to anyone who feels that he/she has been the victim of any discriminatory or harassing behavior*

(cf. 4112.9/4212.9/4312.9 - Employee Notifications)

NONDISCRIMINATION IN EMPLOYMENT (continued)

3. *Provide training to employees, volunteers, and interns regarding the district's nondiscrimination policy, including what constitutes unlawful discrimination, harassment, and retaliation and how and to whom a report of an incident should be made*

(cf. 1240 - Volunteer Assistance)

(cf. 4131 - Staff Development)

(cf. 4231 - Staff Development)

(cf. 4331 - Staff Development)

4. *Periodically review the district's recruitment, hiring, and promotion processes and regularly monitor the terms, conditions, and privileges of employment to ensure district compliance with law*

Complaint Procedure

Any complaint by an employee or job applicant alleging discrimination or harassment shall be addressed in accordance with the following procedures:

1. ***Notice and Receipt of Complaint:*** *A complainant who is an employee shall inform his/her supervisor. However, if the supervisor is the person against whom the employee is complaining, the employee shall inform the coordinator or the Superintendent. A job applicant shall inform the coordinator or the Superintendent or designee.*

The complainant may file a written complaint in accordance with this procedure, or if he/she is an employee, may first attempt to resolve the situation informally with his/her supervisor.

A supervisor or manager who has received information about an incident of discrimination or harassment, or has observed such an incident, shall report it to the coordinator, whether or not the complainant files a written complaint.

The written complaint should contain the complainant's name, the name of the individual who allegedly committed the act, a description of the incident, the date and location where the incident occurred, any witnesses who may have relevant information, other evidence of the discrimination or harassment, and any other pertinent information which may assist in investigating and resolving the complaint.

(cf. 0410 - Nondiscrimination in District Programs and Activities)

(cf. 4032 - Reasonable Accommodation)

(cf. 4119.11/4219.11/4319.11 - Sexual Harassment)

NONDISCRIMINATION IN EMPLOYMENT (continued)

2. **Investigation Process:** *The coordinator shall initiate an impartial investigation of an allegation of discrimination or harassment within five business days of receiving notice of the behavior, regardless of whether a written complaint has been filed or whether the written complaint is complete.*

The coordinator shall meet with the complainant to describe the district's complaint procedure and discuss the actions being sought by the complainant in response to the allegation. The coordinator shall inform the complainant that the allegations will be kept confidential to the extent possible, but that some information may be revealed as necessary to conduct an effective investigation.

(cf. 3580 - District Records)

(cf. 4112.6/4212.6/4312.6 - Personnel Files)

(cf. 4119.23/4219.23/4319.23 - Unauthorized Release of Confidential/Privileged Information)

If the coordinator determines that a detailed fact-finding investigation is necessary, he/she shall begin the investigation immediately. As part of this investigation, the coordinator should interview the complainant, the person accused, and other persons who could be expected to have relevant information.

When necessary to carry out his/her investigation or to protect employee safety, the coordinator may discuss the complaint with the Superintendent or designee, district legal counsel, or the district's risk manager.

The coordinator also shall determine whether interim measures, such as scheduling changes, transfers, or leaves, need to be taken before the investigation is completed to ensure that further incidents do not occur. The coordinator shall ensure that such interim measures do not constitute retaliation.

3. **Written Report on Findings and Corrective Action:** *No more than 20 business days after receiving the complaint, the coordinator shall conclude the investigation and prepare a written report of his/her findings. This timeline may be extended for good cause. If an extension is needed, the coordinator shall notify the complainant and explain the reasons for the extension.*

The report shall include the decision and the reasons for the decision and shall summarize the steps taken during the investigation. If a determination has been made that discrimination or harassment occurred, the report also shall include any corrective action(s) that have been or will be taken to address the behavior, correct the effect on the complainant, and ensure that retaliation or further discrimination or harassment does not occur.

The report shall be presented to the complainant, the person accused, and the Superintendent or designee.

NONDISCRIMINATION IN EMPLOYMENT (continued)

4. **Appeal to the Governing Board:** *The complainant or the person accused may appeal any findings to the Board within 10 business days of receiving the written report of the coordinator's findings. The Superintendent or designee shall provide the Board with all information presented during the investigation. Upon receiving an appeal, the Board shall schedule a hearing as soon as practicable. Any complaint against a district employee shall be addressed in closed session in accordance with law. The Board shall render its decision within 10 business days.*

*(cf. 1312.1 - Complaints Concerning District Employees)
(cf. 9321 - Closed Session Purposes and Agendas)*

Other Remedies

In addition to filing a discrimination or harassment complaint with the district, a person may file a complaint with either the California Department of Fair Employment and Housing (DFEH) or the Equal Employment Opportunity Commission (EEOC). The time limits for filing such complaints are as follows:

1. *To file a valid complaint with DFEH, within one year of the alleged discriminatory act(s), unless an exception exists pursuant to Government Code 12960*
2. *To file a valid complaint directly with EEOC, within 180 days of the alleged discriminatory act(s) (42 USC 2000e-5)*
3. *To file a valid complaint with EEOC after first filing a complaint with DFEH, within 300 days of the alleged discriminatory act(s) or within 30 days after the termination of proceedings by DFEH, whichever is earlier (42 USC 2000e-5)*

BOARD AGENDA ITEM

Name of Contributor(s): **Dr. Jesus Vaca**

Date of Meeting: **August 3, 2016**

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda _____
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading X 2nd Reading _____

COMPLAINTS CONCERNING DISCRIMINATION IN EMPLOYMENT – AR 4031: Delete (Vaca)

DESCRIPTION OF AGENDA ITEM:

The regulation has been deleted and complaint procedures have been incorporated into AR 4030: Nondiscrimination in Employment, as recommended by the California School Boards Association.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees review the attached regulation for first reading and eventual approval at the August 24, 2016 board meeting.

ADDITIONAL MATERIAL(S):

AR 4031 ~~Complaints Concerning Discrimination in Employment~~ (three pages)

~~COMPLAINTS CONCERNING DISCRIMINATION IN EMPLOYMENT~~

~~Complaint Procedure~~

- ~~1. Notice and Receipt of Complaint: Any employee or job applicant (the "complainant") who believes he/she has been subjected to prohibited discrimination or harassment shall promptly inform his/her supervisor, the district's Coordinator for Nondiscrimination in Employment.~~

~~The complainant may file a written complaint in accordance with this procedure, or if he/she is an employee, may first attempt to resolve the situation informally with his/her supervisor.~~

~~A supervisor or manager who has received information about an incident of discrimination or harassment, or has observed such an incident, shall report it to the Coordinator, whether or not the complainant files a written complaint.~~

~~The written complaint should contain the complainant's name, the name of the individual who allegedly committed the act, a description of the incident, the date and location where the incident occurred, any witnesses who may have relevant information, other evidence of the discrimination or harassment, and any other pertinent information which may assist in investigating and resolving the complaint.~~

~~(cf. 0410—Nondiscrimination in District Programs and Activities)
(cf. 4030—Nondiscrimination in Employment)
(cf. 4032—Reasonable Accommodation)
(cf. 4119.11/4219.11/4319.11—Sexual Harassment)~~

- ~~2. Investigation Process: The Coordinator shall initiate an impartial investigation of an allegation of discrimination or harassment within five school days of receiving notice of whether a written complaint has been filed or whether the written complaint is complete.~~

~~The Coordinator shall meet with the complainant to describe the district's complaint procedure and discuss the actions being sought by the complainant in response to the allegation. The Coordinator shall inform the complainant that the allegations will be kept confidential to the extent possible, but that some information may be revealed as necessary to conduct an effective investigation.~~

~~(cf. 3580—District Records)
(cf. 4112.6/4212.6/4312.6—Personnel Files)
(cf. 4119.23/4219.23/4319.23—Unauthorized Release of Confidential/Privileged Information)~~

~~If the Coordinator determines that a detailed fact finding investigation is necessary, he/she shall begin the investigation immediately. As part of this investigation, the Coordinator should interview the complainant, the person accused, and other persons who could be expected to have relevant information.~~

COMPLAINTS CONCERNING DISCRIMINATION IN EMPLOYMENT

~~When necessary to carry out his/her investigation or to protect employee or student safety, the Coordinator may discuss the complaint with the Superintendent or designee, district legal counsel, or the district's risk manager.~~

~~The Coordinator also shall determine whether interim measures, such as scheduling changes, transfers, or leaves, need to be taken before the investigation is completed to ensure that further incidents do not occur. The Coordinator shall ensure that such interim measures do not constitute retaliation.~~

- ~~3. **Written Report on Findings and Corrective Action:** No more than 30 days after receiving the complaint, the Coordinator shall conclude the investigation and prepare a written report of his/her findings. This timeline may be extended for good cause. If an extension is needed, the Coordinator shall notify the complainant and explain the reasons for the extension.~~

~~The report shall include the decision and the reasons for the decision and shall summarize the steps taken during the investigation. If a determination has been made that discrimination or harassment occurred, the report also shall include any corrective action(s) that have been or will be taken to address the behavior, correct the effect on the complainant, and ensure that retaliation or further discrimination or harassment does not occur.~~

~~The report shall be presented to the complainant, the person accused, and the Superintendent or designee.~~

- ~~4. **Appeal to the Governing Board:** The complainant or the person accused may appeal any findings to the Board within 10 working days of receiving the written report of the Coordinator's findings. The Superintendent or designee shall provide the Board with all information presented during the investigation. Upon receiving an appeal, the Board shall schedule a hearing as soon as practicable. Any complaint against a district employee shall be addressed in closed session in accordance with law. The Board shall render its decision within 10 working days.~~

~~(cf. 1312.1—Complaints Concerning District Employees)
(cf. 9321—Closed Session Purposes and Agendas)~~

Other Remedies

~~An employee may, in addition to filing a discrimination complaint with the district, file a complaint with either the California Department of Fair Employment and Housing (DFEH) or the Equal Employment Opportunity Commission (EEOC). The time limits for filing such complaints are as follows:~~

COMPLAINTS CONCERNING DISCRIMINATION IN EMPLOYMENT

1. To file a valid complaint with DFEH, the employee must file his/her complaint within one year of the alleged discriminatory act(s), unless an exception exists pursuant to Government Code 12960. (Government Code 12960)

2. To file a valid complaint directly with EEOC, the employee must file his/her complaint within 180 days of the alleged discriminatory act(s). To file a valid complaint with EEOC after filing a complaint with DFEH, the employee must file the complaint within 300 days of the alleged discriminatory act(s) or within 30 days after the termination of proceedings by DFEH, whichever is earlier. (42 USC 2000e-5)

Employees wishing to file complaints with the DFEH and EEOC should contact the nondiscrimination coordinator for more information.

Legal Reference:

EDUCATION CODE

200-262.4 Prohibition of discrimination

GOVERNMENT CODE

12920-12921 Nondiscrimination

12940-12948 Discrimination prohibited; unlawful practices, generally

UNITED STATES CODE, TITLE 20

1681-1688 Title IX of the Education Amendments of 1972

UNITED STATES CODE, TITLE 29

621-634 Age Discrimination in Employment Act

794 Section 504 of the Rehabilitation Act of 1973

UNITED STATES CODE, TITLE 42

2001d-2001d-7 Title VI, Civil Rights Act of 1964

2001e-2001e-17 Title VII, Civil Rights Act of 1964, as amended

2000ff-2000ff-11 Genetic Information Nondiscrimination Act of 2008

2001h-2-2001h-6 Title IX of the Civil Rights Act of 1964

12101-12213 Americans with Disabilities Act

CODE OF FEDERAL REGULATIONS, TITLE 28

35.101-35.190 Americans with Disabilities Act

CODE OF FEDERAL REGULATIONS, TITLE 34

106.8 Designation of responsible employee for Title IX

Management Resources:

EQUAL EMPLOYMENT OPPORTUNITY COMMISSION PUBLICATIONS

Enforcement Guidance: Reasonable Accommodation and Undue Hardship under the Americans with Disabilities Act, October 2002

Enforcement Guidance: Vicarious Employer Liability for Unlawful Harassment by Supervisors, June 1999

WEB SITES

California Department of Fair Employment and Housing: <http://www.dfeh.ca.gov>

U.S. Equal Employment Opportunity Commission: <http://www.eeoc.gov>

Regulation

approved: November 2, 2011

Revised: June 26, 2013

OXNARD SCHOOL DISTRICT

Oxnard, California

BOARD AGENDA ITEM

Name of Contributor(s): **Dr. Jesus Vaca**

Date of Meeting: **August 3, 2016**

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
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- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading X 2nd Reading _____

REASONABLE ACCOMMODATION – AR 4032: Revision (Vaca)

DESCRIPTION OF AGENDA ITEM:

The regulation has been updated to reflect new laws, as recommended by the California School Boards Association.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees review the attached regulation for first reading and eventual approval at the August 24, 2016 board meeting.

ADDITIONAL MATERIAL(S):

AR 4032 Reasonable Accommodation (five pages)

REASONABLE ACCOMMODATION

Except when undue hardship would result to the district, the Superintendent or designee shall provide reasonable accommodation:

1. In the job application process, to any qualified job applicant with a disability
2. To enable any qualified employee with a disability to perform the essential functions of the position he/she holds or desires to hold or to enjoy equal benefits or other terms, conditions, and privileges of employment as other similarly situated employees without disabilities.

No employee or job applicant who requests an accommodation of his/her physical or mental disability shall be subjected to discrimination or to any punishment or sanction, regardless of whether the request for accommodation was granted. (Government Code 12940)

The district designates the position specified in ~~BP~~ AR 4030 - Nondiscrimination in Employment as the coordinator of its efforts to comply with the Americans with Disabilities Act (ADA) and to investigate any and all related complaints.

(cf. 4030 - Nondiscrimination in Employment)

(cf. 4031 - Complaints Concerning Discrimination in Employment)

Definitions

Disability, with respect to an individual, is defined as any of the following: (Government Code 12926; 20 CFR 1630.2)

1. A physical or mental impairment that limits one or more of the major life activities
2. A record of such an impairment
3. Being regarded as having such an impairment

Limits shall be determined without regard to mitigating measures such as medications, assistive devices, prosthetics or reasonable accommodations, unless the mitigating measure itself limits a major life activity. (Government Code 12926)

Essential functions are the fundamental job duties of the position the individual with a disability holds or desires. The term does not include the marginal functions of the position. (Government Code 12926; 29 CFR 1630.2)

Reasonable accommodation means: (Government Code 12926; 29 CFR 1630.2)

REASONABLE ACCOMMODATION (continued)

1. For a qualified job applicant with a disability, modifications or adjustments to the job application process that enable him/her to be considered for the position he/she desires
2. For a qualified employee with a disability, modifications or adjustments to the work environment, or to the manner or circumstances under which the position the employee holds or desires is customarily performed, that enable him/her to perform the essential functions of that position or to enjoy equal benefits and privileges of employment as are enjoyed by the district's other similarly situated employees without disabilities

Qualified individual with a disability means a job applicant or employee with a disability who: (29 CFR 1630.15, 1630.2)

1. Satisfies the requisite skill, experience, education, and other job-related requirements of the employment position he/she holds or desires
2. Can perform the essential functions of the position with or without reasonable accommodation
3. Would not pose a significant risk of substantial harm, which cannot be eliminated or reduced by reasonable accommodation, to himself/herself or others in the job he/she holds or desires

Undue hardship is a determination based on an individualized assessment of current circumstances that shows that the provision of a specific accommodation would cause significant difficulty or expense to the district. (29 CFR 1630.2)

Request for Reasonable Accommodation

When requesting reasonable accommodation, an employee or his/her representative shall inform the employee's supervisor that he/she needs a change at work for a reason related to a medical condition. The supervisor shall inform the coordinator of the employee's request as soon as practicable.

When requesting reasonable accommodation for the hiring process, a job applicant shall inform the coordinator that he/she will need a reasonable accommodation during the process.

For employees requesting accommodation, the coordinator will require the employee to supply documentation about his/her disability. This documentation shall include a listing of all functional limitation/work restrictions and the duration of each. No information pertaining to medical condition or diagnosis is necessary. For applicants for employment, if

REASONABLE ACCOMMODATION (continued)

the requesting accommodation involves modifying the examination administration procedures (i.e., additional testing time, a reader or writer) applicant will be required to obtain professional verification from a health care provider of the need for testing accommodations. If the request is limited to wheelchair access, or sitting in the front of the room, professional verification from a health care provider is not required and a simple request at least two days in advance of the test procedure will be sufficient.

If the documentation submitted by the employee does not indicate the existence of a qualifying disability or explain the need for reasonable accommodation, the coordinator shall request additional documentation that specifies the missing information. If the employee does not submit such additional documentation in a timely manner, the coordinator may require him/her to submit to an examination by a health care professional selected and paid for by the district.

The district may make a medical or psychological inquiry of a job applicant or require him/her to submit to a medical or psychological examination after he/she has been given a conditional offer of employment but before the commencement of his/her job duties, provided the inquiry or examination is job-related, consistent with business necessity, and required for all incoming employees in the same job classification. (Government Code 12940)

The coordinator shall not request any job applicant's or employee's genetic information except as authorized by law. (42 USC 2000ff-1, 2000ff-5)

(cf. 4161.8/4261.8/4361.8 - Family Care and Medical Leave)

In accordance with law, the coordinator shall take steps to ensure the confidentiality of information related to medical conditions or history. As applicable, he/she shall notify the supervisor or manager of the qualified individual of any reasonable accommodation granted the individual and may notify first aid and safety Human Resources when the disability of the qualified individual may require emergency treatment. (42 USC 12112)

(cf. 4112.6/4212.6/4312.6 - Human Resources Records)

Granting Reasonable Accommodation

Upon receiving a request for reasonable accommodation from a qualified individual with a disability, the coordinator shall:

1. Determine the essential functions of the job involved
2. Engage in an informal, interactive process with the individual to review the request for accommodation, identify the precise limitations resulting from the disability, identify potential accommodations, and assess their effectiveness

REASONABLE ACCOMMODATION (continued)

3. Develop a plan for reasonable accommodation which will enable the individual to perform the essential functions of the job or gain equal access to a benefit or privilege of employment without imposing undue hardship on the district

A determination of undue hardship should be based on several factors, including: (29 CFR 1630.2)

- a. The nature and net cost of the accommodation needed, taking into consideration the availability of tax credits and deductions and/or outside funding
- b. The overall financial resources of the facility making the accommodation, the number of persons employed at this facility, and the effect on expenses and resources of the facility
- c. The overall financial resources, number of employees, and the number, type, and location of facilities of the district
- d. The type of operation of the district, including the composition, structure, and functions of the workforce and the geographic separateness and administrative or fiscal relationship of the facility making the accommodation to other district facilities
- e. The impact of the accommodation on the operation of the facility, including the impact on the ability of other employees to perform their duties and the impact on the facility's ability to conduct business

The coordinator may confer with the site administrator, any medical advisor chosen by the district, and/or other district staff before making a final decision as to the accommodation.

Legal Reference:

CIVIL CODE

51 *Unruh Civil Rights Act*

GOVERNMENT CODE

12900-12996 *Fair Employment and Housing Act*

UNITED STATES CODE, TITLE 29

701-794e *Vocational Rehabilitation Act*

UNITED STATES CODE, TITLE 42

2000ff-1-2000ff-11 *Genetic Information Nondiscrimination Act of 2008*

12101-12213 *Americans with Disabilities Act*

CODE OF FEDERAL REGULATIONS, TITLE 28

35.101-35.190 *Americans with Disabilities Act, especially:*

35.107 *Designation of employee*

36.101-36.608 *Nondiscrimination on the basis of disability by public facilities*

CODE OF FEDERAL REGULATIONS, TITLE 29

1630.2 *Definitions*

Legal Reference continued: (see next page)

REASONABLE ACCOMMODATION (continued)

Legal Reference: (continued)

COURT DECISIONS

A.M. v. Albertsons, LLC, (2009) Cal.App.4th 455

Colmenares v. Braemar Country Club, Inc., (2003) 29 Cal.4th 1019

Chevron USA v. Echazabal, (2002) 536 U.S. 73, 122 S.Ct. 2045

US Airways, Inc. v. Barnett, (2002) 535 U.S. 391, 122 S.Ct. 1516

Management Resources:

EQUAL EMPLOYMENT OPPORTUNITY COMMISSION PUBLICATIONS

Enforcement Guidance: Reasonable Accommodation and Undue Hardship under the Americans with Disabilities Act, October 2002

WEB SITES

Department of Fair Employment and Housing: <http://www.dfeh.ca.gov>

Equal Employment Opportunity Commission: <http://www.eeoc.gov>

U.S. Department of Education, Office for Civil Rights: <http://www.ed.gov/about/offices/list/ocr>

Regulation
approved: November 2, 2011
Revised: August 24, 2016

OXNARD SCHOOL DISTRICT
Oxnard, California

BOARD AGENDA ITEM

Name of Contributor(s): **Dr. Jesus Vaca**

Date of Meeting: **August 3, 2016**

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda _____
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading X 2nd Reading _____

EMPLOYEE FILES– AR 4112.6, 4212.6, 4312.6: Revision (Vaca)

DESCRIPTION OF AGENDA ITEM:

The regulations have been updated to reflect new laws, as recommended by the California School Boards Association.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees review the attached regulations for first reading and eventual approval at the August 24, 2016 board meeting.

ADDITIONAL MATERIAL(S):

AR 4112.6, 4212.6, 4312.6 Employee Files (four pages)

All Employees

AR 4112.6(a)

4212.6

EMPLOYEE FILES

4312.6

The Superintendent or designee shall maintain employment files for all current employees. All Human Resources files are confidential and shall be available only to the employee, persons authorized by the employee and those authorized by the Superintendent or designee. Official employee files shall be maintained at the district's central office. The Superintendent or designee shall determine the types of information to be included and shall process all material to be placed in an employment file.

(cf. 4141/4241 - Collective Bargaining Agreement)

The contents of all employment files shall be kept in strict confidence by any authorized reviewer.

(cf. 4119.23/4219.23/4319.23 - Unauthorized Release of Confidential/Privileged Information)

(cf. 9011 - Disclosure of Confidential/Privileged Information)

(cf. 9321 - Closed Session Purposes and Agendas)

(cf. 9321.1 - Closed Session Actions and Reports)

Placement of Material in Employment Files

Any person who places written material or drafts written material for placement in an employee's file shall sign the material and signify the date of placement.

When an employee is asked to sign any material that is to be placed in his/her file, it is with the understanding that his/her signature signifies only that he/she has read the material and does not necessarily indicate agreement with its contents.

A certificated employee may initiate a written reaction or response to his/her performance evaluation and that response shall become a permanent attachment to the employee's Human Resources file. (Education Code 44663)

(cf. 4115 - Evaluation/Supervision)

Derogatory Information

Information of a derogatory nature shall not be entered into an employee's employment file unless and until the employee is given notice and an opportunity to review and comment on that information. Such a review shall take place during normal business hours. The employee shall be released from duty for this purpose without a salary reduction. The employee may enter his/her own comments and have them attached to the derogatory statement. (Education Code 44031)

(cf. 1312.1 - Complaints Concerning District Employees)

(cf. 4117.4 - Dismissal)

(cf. 4118 - Suspension/Disciplinary Action)

(cf. 4218 - Dismissal/Suspension/Disciplinary Action)

(cf. 5141.4 - Child Abuse Prevention and Reporting)

EMPLOYEE FILES (continued)

File Review by Employee

The contents of Human Resources records relating to the employee's performance or to any grievance concerning the employee shall be made available to the employee at reasonable intervals and at reasonable times. (Labor Code 1198.5; Education Code 44031)

Any employee wishing to inspect his/her employment record shall contact the Superintendent or designee.

With the exceptions noted below, all employment records related to the employee's performance or to any grievance concerning the employee shall be made available for inspection by the employee. Noncredentialed employees shall have access to any numerical scores obtained as result of written examinations. (Education Code 44031)

The Superintendent or designee shall not be required to make available to the employee: (Labor Code 1198.5, Education Code 44031)

1. Records relating to the investigation of a possible criminal offense
2. Letters of reference
3. Ratings, reports or records that were obtained prior to the employee's employment, prepared by identifiable examination committee members, or obtained in connection with a promotional examination

(cf. 4112.41/4212.41/4312.41 - Employee Drug Testing)

(cf. 4112.62/4212.62/4312.62 - Maintenance of Criminal Offender Records)

The employee may be accompanied by a representative of the employee's choice while reviewing the record.

Inspection shall take place in the presence of the Superintendent or designee. All reviews of employment records shall be recorded, including the date and time the file was reviewed and the name and title of the person(s) present during the review.

In no instance shall any material be removed from the records. Requests for copies of material in an employment record must be made in writing.

EMPLOYEE FILES (continued)

File Review by Management and Board

Management personnel or district legal counsel with a valid "right to know" or "need to know" may, with the Superintendent or designee's authorization, review an employee's employment file.

(cf. 4119.23/4219.23/4319.23 - Unauthorized Release of Confidential/Privileged Information)

Board of Trustees members are not individually allowed to request and access employment files but the Board may request pertinent information from an employee's file in cases of employment action.

Records Retention

Personnel records for current and former employees shall be retained in accordance with 5 CCR 16023.

(cf. 3580 - District Records)

The Superintendent or designee shall not expunge from an employee's personnel file, nor enter into an agreement that would authorize expunging from an employee's personnel file, any documentation of a credible complaint, substantiated investigation, or discipline regarding egregious misconduct as defined in Education Code 44932. However, such documentation may be removed if, during a hearing before the Board, an arbiter, personnel commission, Commission on Professional Competence, or administrative law judge, the employee prevailed, the allegations were determined to be false, not credible, or unsubstantiated, or a determination was made that the discipline was not warranted. (Education Code 44939.5)

Legal Reference:

EDUCATION CODE

35253 Regulations to destroy records

44031 Human Resources file contents and inspection

44663 Performance appraisals and related materials

44932 Causes for dismissal

44939.5 Report of egregious misconduct

GOVERNMENT CODE

3305-3306 District police officers; Human Resources files

6250-6270 California Public Records Act, especially:

6254 Exemption for personnel records if invasion of personal privacy

6254.3 Disclosure of home address and phone number

Legal Reference: (continued on next page)

AR 4112.6(d)
4212.6
4312.6

EMPLOYEE FILES (continued)

Legal Reference: (continued)

LABOR CODE

1198.5 *Inspection of Human Resources files*

PENAL CODE

11165.14 *Report of investigation of child abuse complaint*

CODE OF REGULATIONS, TITLE 5

16020-16022 *Records, general provisions*

16023-16027 *Retention of records*

COURT DECISIONS

Marken v. Santa Monica-Malibu Unified School District, (2012) 202 Cal.App.4th 1250

Bakersfield City School District v. Superior Ct. (2004) 118 Cal.App.4th 1041

ATTORNEY GENERAL OPINIONS

Cal. Atty. Gen., Indexed Letter, no. IL 75-73 (June 6, 1975)

Regulation
approved: November 2, 2011
Revised: August 24, 2016

OXNARD SCHOOL DISTRICT
Oxnard, California

BOARD AGENDA ITEM

Name of Contributor(s): **Dr. Jesus Vaca**

Date of Meeting: **August 3, 2016**

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda _____
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading X 2nd Reading _____

SPECIAL EDUCATION STAFF – AR 4112.23: Revision (Vaca)

DESCRIPTION OF AGENDA ITEM:

The regulation has been updated to reflect new laws, as recommended by the California School Boards Association.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees review the attached regulation for first reading and eventual approval at the August 24, 2016 board meeting.

ADDITIONAL MATERIAL(S):

AR 4112.23 Special Education Staff (six pages)

SPECIAL EDUCATION STAFF

Qualifications/Assignment of Special Education Teachers

Any teacher assigned to serve students with disabilities shall possess an appropriate credential or other authorization *issued by the Commission on Teacher Credentialing (CTC)* that specifically authorizes him/her to teach students with that primary disability within the program placement recommended in the students' individualized education program (IEP). (5 CCR 80046.5, 80048.7)

(cf. 4112.2 - Certification)

(cf. 4113 - Assignment)

(cf. 6159 - Individualized Education Program)

(cf. 6164.4 - Identification and Evaluation of Individuals for Special Education)

~~Special education teachers who teach core academic subjects shall possess the qualifications required by the No Child Left Behind Act. (20 USC 1401, 6319, 7801; 34 CFR 200.55-200.57, 300.18; 5 CCR 6100-6126)~~

~~*(cf. 4112.24 - Teacher Qualifications Under the No Child Left Behind Act)*~~

The Superintendent or designee may request *that the CTC Commission on Teacher Credentialing (CTC) to issue a special education limited assignment teaching permit to authorize a qualified special education teacher, with his/her written consent, to serve outside the specialty area of his/her credential. In so doing, the district shall submit a Declaration of Need for Fully Qualified Educators that satisfies the requirements of 5 CCR 80026.* If the teacher has not yet obtained permanent status, the Superintendent or designee shall assign one or more experienced educators in the special education subject area(s) of the permit, who have at least three years of full-time teaching experience in each of the subject area(s) of the permit, to provide guidance and assistance to the permit holder. (5 CCR 80027.1)

As needed, the district may apply to the CTC for an emergency permit for resource specialist services pursuant to 5 CCR 80023.2 and 80024.3.1.

When requesting either a limited assignment teaching permit or an emergency resource specialist permit, the Superintendent or designee shall submit a Declaration of Need for Fully Qualified Educators that satisfies the requirements of 5 CCR 80026 and has been approved by the Board at a regularly scheduled Board meeting. (5 CCR 80026)

If there is a need to immediately fill a classroom vacancy or a suitable credentialed teacher cannot be found after a diligent search, the Superintendent or designee may, as appropriate, apply to the CTC for a short-term staff permit pursuant to 5 CCR 80021, a provisional internship permit pursuant to 5 CCR 80021.1, or, as a last resort, a credential waiver.

Individuals providing related services to students with disabilities, including developmental, corrective, and other supportive and related services, shall meet the applicable qualifications specified in 5 CCR 3051-3051.24. (5 CCR 3051; 34 CFR 300.34, 300.156)

SPECIAL EDUCATION STAFF (continued)

(cf. 3312 - Contracts)
(cf. 3600 - Consultants)

The Superintendent or designee shall provide ongoing professional development as needed to assist special education staff in updating and improving their knowledge and skills.

(cf. 4131 - Staff Development)
(cf. 4231 - Staff Development)
(cf. 4331 - Staff Development)

Whenever a candidate for a clear education specialist credential is employed by the district, the Superintendent or designee shall, within 60 days of employment, collaborate with the candidate and, as applicable, with the college or university to develop an individualized induction plan including supported induction and job-related course of advanced preparation. (5 CCR 80048.8.1)

(cf. 4131.1 - Teacher Support and Guidance)

The district may employ a person with an appropriate district internship credential to provide classroom instruction to students with disabilities, provided he/she has met the subject matter requirement specified in Education Code 44325 and receives guidance, supervision, and professional development through an established district internship program. (Education Code 44325, 44326, 44830.3)

(cf. 4112.21 - Interns)

Resource Specialists

The district shall employ certificated resource specialists to provide services for students with disabilities which shall include, but not be limited to: (Education Code 56362)

1. Providing instruction and services to students *with disabilities* whose needs have been identified in an IEP. ~~and who are assigned to regular classroom teachers for a majority of the school day~~

~~A student shall not be enrolled in a resource specialist program for a majority of a school day without approval by the student's IEP team.~~

2. *Conducting educational assessments*
23. Providing information and assistance to students with disabilities and their parents/guardians

SPECIAL EDUCATION STAFF (continued)

- 3 4. Providing consultation, resource information, and material regarding students with disabilities to their parents/guardians and regular education staff members
- 4 5. Coordinating special education services with the regular school programs for each student with disabilities enrolled in the resource specialist program
56. Monitoring student progress on a regular basis, participating in the review and revision of IEPs as appropriate, and referring students who do not demonstrate sufficient progress to the IEP team

Any student who receives resource specialist services shall be assigned to regular classroom teacher(s) for a majority of the school day, unless his/her IEP team approves enrollment in the resource specialist program for a majority of the school day. (Education Code 56362; 5 CCR 80070.5)

Resource specialists shall not simultaneously be assigned to serve as resource specialists and to teach regular classes. (Education Code 56362)

The district's resource specialist program shall be under the direction of a resource specialist who possesses the qualifications specified in Education Code 56362. ~~and 5 CCR 80070.8.~~ (Education Code 56362)

~~Teachers of Students with Autism~~

~~A teacher whose preliminary Level I education specialist credential or other previously issued credential authorizes him/her to provide instruction to students with mild and moderate disabilities may be assigned to provide instruction to students with autism, provided that the teacher consents to the assignment and satisfies either of the following criteria prior to the assignment: (Education Code 44265.1)~~

- ~~1. The teacher has provided full-time instruction for at least one year prior to September 1, 2007, in a special education program that serves students with autism in accordance with their IEP and received a favorable evaluation or recommendation from the district or school to teach students with autism.~~
- ~~2. The teacher has completed a minimum of three semester units of coursework in the subject of autism offered by a regionally accredited institution of higher education.~~

~~The Superintendent or designee shall report teachers assigned under the criteria specified in items #1 and 2 above to the county office of education as part of the annual assignment monitoring pursuant to Education Code 44258.9. (Education Code 44265.1)~~

SPECIAL EDUCATION STAFF (continued)

~~The Superintendent or designee may employ and assign a teacher to provide instruction to students age 3-4 who are diagnosed with autism if the teacher holds a valid preliminary Level I or clear Level II education specialist credential, is authorized to provide instruction to students with autism, and satisfies either of the criteria listed in items #1 and 2 above, except that the prior service shall have been with autistic students age 3-4 or the completed coursework shall have been in the subject of special education related to early childhood education. (Education Code 44265.2)~~

~~Verification of experience or coursework for any teacher of autistic students shall be maintained on file in the district or school office. (Education Code 44265.1, 44265.2)~~

Caseloads

The Superintendent or designee shall ensure that caseloads for special education teachers are within the maximum caseloads established by law, collective bargaining agreement, and/or the comprehensive plan of the Special Education Local Plan Area (SELPA) in which the district participates.

(cf. 0430 - Comprehensive Local Plan for Special Education)

(cf. 1312.3 - Uniform Complaint Procedures)

(cf. 4141/4241 - Collective Bargaining Agreement)

No resource specialist shall have a caseload which exceeds 28 students. As necessary and with the agreement of the resource specialist, the Board may request a waiver from the State Board of Education to increase the caseload to no more than 32 students, provided that an individual resource specialist does not have a caseload exceeding 28 students for more than two school years and has the assistance of an instructional aide at least five hours daily during the period of the waiver. (Education Code 56362, 56362.1; 5 CCR 3100)

(cf. 1431 - Waivers)

The average caseload for language, speech, and hearing specialists ~~in special education local plan areas~~ shall not exceed 55 cases, *unless the SELPA plan specifies a higher average caseload and states the reasons for the higher average caseload unless otherwise specified and reasons stated in the SELPA plan.* The maximum caseload for speech and language specialists exclusively serving children with disabilities age 3-5 shall not exceed 40. (Education Code 56363.3, 56441.7)

Legal Reference: (see next page)

SPECIAL EDUCATION STAFF (continued)*Legal Reference:*EDUCATION CODE8264.8 *Staffing ratios*44250-44279 *Credentials, especially:*44256 *Credential types, specialist instruction*44258.9 *Assignment monitoring*44265-44265.99 *Special education credential*44325-44328 *District interns*44830.3 *District interns, supervision and professional development*56000-56865 *Special education, especially:*56195.8 *Adoption of policies*56361 *Program options*56362-56362.5 *Resource specialist program*56363.3 *Average caseload limits; language, speech, and hearing specialists*CODE OF REGULATIONS, TITLE 53051.1 *Language, speech and hearing development and remediation; appropriate credential*3100 *Waivers of maximum caseload for resource specialists*6100-6126 *Teacher qualifications, No Child Left Behind Act***80021 *Short-term staff permit*****80021.1 *Provisional internship permit*****80023.2 *Emergency permits*****80025.4 *Substitute teaching, special education***80026 *Declaration of need for fully qualified educators*80027.1 *Special education limited assignment teaching permit*~~80046-80046.1 *Adapted physical education specialist*~~80046.5 *Credential holders authorized to serve students with disabilities***80047-80047.9 *Credentials to provide instructional services to students with disabilities***80048-80048.7 *Credential requirements and authorizations*80070.1-80070.8 *Resource specialist certificate of competence*UNITED STATES CODE, TITLE 201400-1482 *Individuals with Disabilities Education Act, especially:*1401 *Definition of highly qualified special education teacher*6319 *Highly qualified teachers*7801 *Definitions, highly qualified teacher*CODE OF FEDERAL REGULATIONS, TITLE 34200.55-200.57 *Highly qualified teachers*300.8 *Definition of autism*300.18 *Highly qualified special education teachers*300.34 *Related services*300.156 *Special education Human Resources requirements**Management Resources:*CALIFORNIA DEPARTMENT OF EDUCATION PUBLICATIONS*Handbook on Developing and Implementing Early Childhood Special Education Programs and Services, 2001*COMMISSION ON TEACHER CREDENTIALING CODED CORRESPONDENCE*09-16 Approval of Additions to Title 5 Regulations Pertaining to Added Authorizations in Special Education, July 23, 2009**09-15 Approval of Amendments to Title 5 Regulations Pertaining to General and Special Education Limited Assignment Teaching Permits, July 23, 2009**08-13 Alternative Route to Provide Special Education Services to Students with Autism Ages Three and 4, October 9, 2008**Management Resources continued: (see next page)*

SPECIAL EDUCATION STAFF (continued)

~~08-10 Alternative Route to Provide Special Education Services to Students with Autism, July 7, 2008~~

Management Resources: (continued)

COMMISSION ON TEACHER CREDENTIALING PUBLICATIONS

~~*Standards of Quality and Effectiveness for Education Specialist Credential Programs (including University Internship Options) and Clinical Rehabilitative Services Programs, 1996*~~

Special Education Teaching and Services Credentials, Added Authorizations in Special Education, and Limited Assignment Permits for California Prepared Teachers: Frequently Asked Questions, May 26, 2014

Education Specialist Teaching and Other Related Services Credential Program Standards, 2012

WEB SITES

California Association of Resource Specialists and Special Education Teachers:

<http://www.carsplus.org>

California Department of Education, Special Education: <http://www.cde.ca.gov/sp/se>

California Speech-Language-Hearing Association: <http://www.csha.org>

Commission on Teacher Credentialing: <http://www.ctc.ca.gov>

National Association of Special Education Teachers: <http://www.naset.org>

BOARD AGENDA ITEM

Name of Contributor(s): **Dr. Jesus Vaca**

Date of Meeting: **August 3, 2016**

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda _____
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading X 2nd Reading _____

SEXUAL HARASSMENT – BP and AR 4119.11, 4219.11, 4319.11: Revision (Vaca)

DESCRIPTION OF AGENDA ITEM:

The board policy and regulation have been updated to reflect new laws, as recommended by the California School Boards Association.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees review the attached policy and regulation for first reading and eventual approval at the August 24, 2016 board meeting.

ADDITIONAL MATERIAL(S):

- BP 4119.11, 4219.11, 4319.11 Sexual Harassment (two pages)
- AR 4119.11, 4219.11, 4319.11 Sexual Harassment (four pages)

All Employees

BP 4119.11(a)

4219.11

SEXUAL HARASSMENT

4319.11

The Board of Trustees prohibits sexual harassment of district employees and job applicants. The Board also prohibits retaliatory behavior or action against district employees or other persons who complain, testify or otherwise participate in the complaint process established pursuant to this policy and administrative regulation.

(cf. 0410 - Nondiscrimination in District Programs and Activities)

(cf. 4030 - Nondiscrimination in Employment)

The Superintendent or designee shall take all actions necessary to ensure the prevention, investigation, and correction of sexual harassment, including but not limited to:

1. Providing training to employees in accordance with law and administrative regulation
2. Publicizing and disseminating the district's sexual harassment policy to staff

(cf. 4112.9/4212.9/4312.9 - Employee Notifications)

3. Ensuring prompt, thorough, and fair investigation of complaints
4. Taking timely and appropriate corrective/remedial action(s), which may require interim separation of the complainant and the alleged harasser and subsequent monitoring of developments

All complaints and allegations of sexual harassment shall be kept confidential to the extent necessary to carry out the investigation or to take other subsequent necessary actions. (5 CCR 4964)

Any district employee or job applicant who feels that he/she has been sexually harassed or who has knowledge of any incident of sexual harassment by or against another employee, a job applicant or a student, shall immediately report the incident to his/her supervisor, the principal, district administrator or Superintendent.

A supervisor, principal or other district administrator who receives a harassment complaint shall promptly notify the Superintendent or designee.

Complaints of sexual harassment shall be filed in accordance with ~~AR 4031—Complaints Concerning Discrimination in Employment~~ *AR 4030 - Nondiscrimination in Employment*. An employee may bypass his/her supervisor in filing a complaint where the supervisor is the subject of the complaint.

(cf. 4031 - Complaints Concerning Discrimination in Employment)

BP 4119.11(b)
4219.11
4319.11

SEXUAL HARASSMENT (continued)

Any district employee who engages or participates in sexual harassment or who aids, abets, incites, compels, or coerces another to commit sexual harassment against a district employee, job applicant, or student is in violation of this policy and is subject to disciplinary action, up to and including dismissal.

(cf. 4117.4 - Dismissal)
(cf. 4118 - Suspension/Disciplinary Action)
(cf. 4218 - Dismissal/Suspension/Disciplinary Action)

Legal Reference:

EDUCATION CODE

200-262.4 Prohibition of discrimination on the basis of sex

GOVERNMENT CODE

12900-12996 Fair Employment and Housing Act, especially:

12940 Prohibited discrimination

12950.1 Sexual harassment training

LABOR CODE

1101 Political activities of employees

1102.1 Discrimination: sexual orientation

CODE OF REGULATIONS, TITLE 2

7287.8 Retaliation

7288.0 Sexual harassment training and education

CODE OF REGULATIONS, TITLE 5

4900-4965 Nondiscrimination in elementary and secondary education programs receiving state financial assistance

UNITED STATES CODE, TITLE 42

2000d-2000d-7 Title VI, Civil Rights Act of 1964

2000e-2000e-17 Title VII, Civil Rights Act of 1964, as amended

2000h-2-2000h-6 Title IX, 1972 Education Act Amendments

CODE OF FEDERAL REGULATIONS, TITLE 34

106.9 Dissemination of policy

COURT DECISIONS

Department of Health Services v. Superior Court of California, (2003) 31 Cal.4th 1026

Faragher v. City of Boca Raton, (1998) 118 S.Ct. 2275

Burlington Industries v. Ellreth, (1998) 118 S.Ct. 2257

Gebser v. Lago Vista Independent School District, (1998) 118 S.Ct. 1989

Oncale v. Sundowner Offshore Serv. Inc., (1998) 118 S.Ct. 998

Meritor Savings Bank, FSB v. Vinson et al., (1986) 447 U.S. 57

Management Resources:

OFFICE OF CIVIL RIGHTS AND NATIONAL ASSOCIATION OF ATTORNEYS GENERAL

Protecting Students from Harassment and Hate Crime, January, 1999

WEB SITES

California Department of Fair Employment and Housing: <http://www.dfeh.ca.gov>

Equal Employment Opportunity Commission: <http://www.eeoc.gov>

U.S. Department of Education, Office for Civil Rights:

<http://www.ed.gov/about/offices/list/ocr/index.html>

Policy
adopted: November 2, 2011
Revised: June 26, 2013; August 24, 2016

OXNARD SCHOOL DISTRICT
Oxnard, California

All Employees

AR 4119.11(a)

4219.11

SEXUAL HARASSMENT

4319.11

Definitions

Prohibited sexual harassment includes, but is not limited to, unwelcome sexual advances, unwanted requests for sexual favors, or other unwanted verbal, visual, or physical conduct of a sexual nature made against another person of the same or opposite sex in the work or educational setting when: (Education Code 212.5; *Government Code 12940*; 5 CCR 4916)

1. Submission to the conduct is made explicitly or implicitly a term or condition of the individual's employment.
2. Submission to or rejection of such conduct by the individual is used as the basis for an employment decision affecting him/her.
3. The conduct has the purpose or effect of having a negative impact upon the individual's work or has the purpose or effect of creating an intimidating, hostile, or offensive work environment. *Regardless of whether or not the alleged harasser was motivated by sexual desire*, the conduct is sufficiently severe, persistent, pervasive, or objectively offensive so as to create a hostile or abusive working environment or to limit the individual's ability to participate in or benefit from an education program or activity.
4. Submission to or rejection of the conduct by the other individual is used as the basis for any decision affecting him/her regarding benefits, services, honors, programs, or activities available at or through the district.

Other examples of actions that might constitute sexual harassment, whether committed by a supervisor, a co-worker, or a non-employee, in the work or educational setting, include, but are not limited to:

1. Unwelcome verbal conduct such as sexual flirtations or propositions; graphic comments about an individual's body; overly personal conversations or pressure for sexual activity; sexual jokes or stories; unwelcome sexual slurs, epithets, threats, innuendoes, derogatory comments, sexually degrading descriptions, or the spreading of sexual rumors.
2. Unwelcome visual conduct such as drawings, pictures, graffiti, or gestures; sexually explicit emails; displaying sexually suggestive objects.
3. Unwelcome physical conduct such as massaging, grabbing, fondling, stroking, or brushing the body; touching an individual's body or clothes in a sexual way; cornering, blocking, leaning over, or impeding normal movements.

SEXUAL HARASSMENT (continued)

~~*Prohibited sexual harassment may also include any act of retaliation against an individual who reports a violation of the district's sexual harassment policy or who participates in the investigation of a sexual harassment complaint.*~~

Training

The Superintendent or designee shall ensure that all employees receive training regarding the district's sexual harassment policies when hired and periodically thereafter. Such training shall include the procedures for reporting and/or filing complaints involving an employee, employees' duty to use the district's complaint procedures, and employee obligations when a sexual harassment report involving a student is made to the employee.

(cf. 1312.3 - Uniform Complaint Procedures)

(cf. 4031 - Complaints Concerning Discrimination in Employment)

(cf. 5145.7 - Sexual Harassment)

Every two years, the Superintendent or designee shall ensure that supervisory employees receive at least two hours of classroom or other effective interactive training and education regarding sexual harassment. All newly hired or promoted supervisory employees shall receive training within six months of their assumption of the supervisory position. (Government Code 12950.1)

~~*The district's training and education program for supervisory employees shall include information and practical guidance regarding the federal and state laws on the prohibition against and the prevention and correction of sexual harassment, and the remedies available to the victims of sexual harassment in employment. The training shall also include all of the content specified in 2 CCR 7288.0 and practical examples aimed at instructing supervisors in the prevention of harassment, discrimination, and retaliation. (Government Code 12950.1; 2 CCR 7288.0)*~~

A supervisory employee is any employee with the authority to hire, transfer, suspend, lay off, promote, discharge, assign, reward, or discipline other employees, or to effectively recommend such action.

The district's sexual harassment training and education program for supervisory employees shall include the provision of: (Government Code 12950.1; 2 CCR 11023)

- 1. Information and practical guidance regarding federal and state laws on the prohibition against and the prevention and correction of sexual harassment, and the remedies available to the victims of sexual harassment in employment*

SEXUAL HARASSMENT (continued)

2. *Practical examples aimed at instructing supervisors in the prevention of harassment, discrimination, and retaliation*
3. *A component on the prevention of abusive conduct that addresses the use of derogatory remarks, insults, or epithets, other verbal or physical conduct that a reasonable person would find threatening, intimidating, or humiliating, and the gratuitous sabotage or undermining of a person's work performance*
4. *A copy of the district's sexual harassment policy and administrative regulation, which each participant shall acknowledge in writing that he/she has received*
5. *All other contents of mandated training specified in 2 CCR 11023*

The Superintendent or designee shall retain for at least two years the records of any training provided to supervisory employees. Such records shall include the names of trained employees, date of the training, the type of training, and the name of the training provider. (2 CCR 11023)

Notifications

A copy of the Board policy and this administrative regulation shall: (Education Code 231.5)

1. Be displayed in a prominent location in the main administrative building, district office, or other area of the school where notices of district rules, regulations, procedures, and standards of conduct are posted
2. Be provided to *every district employee* ~~each faculty member, all members of the administrative staff, and all members of the support staff~~ at the beginning of the first quarter or semester of the school year or whenever a new employee is hired

(cf. 4112.9/4212.9/4312.9 - Employee Notifications)

3. Appear in any school or district publication that sets forth the school's or district's comprehensive rules, regulations, procedures, and standards of conduct

All employees shall receive either a copy of information sheets prepared by the California Department of Fair Employment and Housing (DFEH) or a copy of district information sheets that contain, at a minimum, components on: (Government Code 12950)

1. The illegality of sexual harassment
2. The definition of sexual harassment under applicable state and federal law

AR 4119.11(d)
4219.11
4319.11

SEXUAL HARASSMENT (continued)

3. A description of sexual harassment, with examples
4. The district's complaint process available to the employee

(cf. 4031 - Complaints Concerning Discrimination in Employment)

5. The legal remedies and complaint process available through DFEH and the Equal Employment Opportunity Commission (EEOC)
6. Directions on how to contact DFEH and the EEOC
7. The protection against retaliation provided by 2 CCR 11021 7287.8 for opposing harassment prohibited by law or for filing a complaint with or otherwise participating in an investigation, proceeding, or hearing conducted by DFEH and the EEOC

In addition, the district shall post, in a prominent and accessible location, DFEH's poster on discrimination in employment and the illegality of sexual harassment. (Government Code 12950)

Regulation
approved: November 2, 2011
Revised: August 24, 2016

OXNARD SCHOOL DISTRICT
Oxnard, California

BOARD AGENDA ITEM

Name of Contributor(s): **Dr. Jesus Vaca**

Date of Meeting: **August 3, 2016**

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda _____
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading X 2nd Reading _____

TEMPORARY/SUBSTITUTE PERSONNEL – BP 4121: New (Vaca)

DESCRIPTION OF AGENDA ITEM:

The policy has been added to reflect new laws, as recommended by the California School Boards Association.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees review the attached policy for its first reading and eventual approval at the August 24, 2016 board meeting.

ADDITIONAL MATERIAL(S):

BP 4121 Temporary/Substitute Personnel (seven pages)

TEMPORARY/SUBSTITUTE PERSONNEL

The Governing Board recognizes that substitute and temporary personnel perform an essential role in promoting student achievement and desires to employ highly qualified, appropriately credentialed employees to fill such positions.

(cf. 4112.2 - Certification)

Hiring

The Superintendent or designee shall recommend candidates for substitute or temporary positions for Board approval, and shall ensure that all substitute and temporary employees are assigned in accordance with law and the authorizations specified in their credential.

(cf. 4113 - Assignment)

Substitute personnel may be employed on an on-call, day-to-day basis.

In addition, after September 1 of any school year, the Board may employ substitute personnel for the remainder of the school year for positions for which no regular employee is available. The district shall first demonstrate to the Commission on Teacher Credentialing the inability to acquire the services of a qualified regular employee. (Education Code 44917)

(cf. 4117.14/4317.14 - Postretirement Employment)

Permanent or probationary certificated employees who were laid off pursuant to Education Code 44955 and who have a preferred right of reappointment shall be given priority for substitute service in the order of their original employment. (Education Code 44956, 44957)

(cf. 4117.3 - Personnel Reduction)

Classification

At the time of initial employment and each July thereafter, the Board shall classify substitute and temporary employees as such. (Education Code 44915, 44916)

The Board may classify as substitute personnel a teacher hired to fill the position of a regularly employed person who is absent from service. (Education Code 44917)

To address the need for additional certificated employees when regular district employees are absent due to leaves or long-term illness, the Board may classify a teacher who is employed for at least one semester and up to one complete school year as a temporary employee. Any person whose service begins in the second semester and before March 15 may be classified as a temporary employee even if employed for less than a semester. The Board shall determine the number of persons who shall be so employed, which shall not exceed the identified need based on the absence of regular employees. (Education Code 44920)

TEMPORARY/SUBSTITUTE PERSONNEL (continued)

The Board also shall classify as temporary employees those certificated persons, other than substitute employees, who are employed to:

1. *Serve from day to day during the first three months of any school term to teach temporary classes which shall not exist after that time, or perform any other duties which do not last longer than the first three months of any school term (Education Code 44919)*
2. *Teach in special day and evening classes for adults or in schools of migratory population for not more than four months of any school term (Education Code 44919)*

*(cf. 6175 - Migrant Education Program)
(cf. 6200 - Adult Education)*

3. *Serve in a limited assignment supervising student athletic activities provided such assignments have first been made available to teachers presently employed in the district (Education Code 44919)*

(cf. 4127/4227/4327 - Temporary Athletic Team Coaches)

4. *Serve in a position for a period not to exceed 20 working days in order to prevent the stoppage of district business during an emergency when persons are not immediately available for probationary classification (Education Code 44919)*
5. *Serve only for the first semester because the district expects a reduction in student enrollment during the second semester due to mid-year graduations (Education Code 44921)*

For purposes of classifying employees pursuant to item #1 or #2 above, the school year shall not be divided into more than two school terms. (Education Code 44919)

Any employee hired to provide services in a categorically funded program or project may be employed for a period less than a full school year. He/she may be classified as a temporary employee if the period of employment will end at the expiration of that program or project. (Education Code 44909)

Salary and Benefits

The Board shall adopt and make public a salary schedule setting the daily or pay period rate(s) for substitute employees for all categories or classes of certificated employees of the district. (Education Code 44977, 45030)

TEMPORARY/SUBSTITUTE PERSONNEL (continued)

OPTION 1: *Temporary employees shall participate in the health and welfare plans or other fringe benefits of the district.*

*(cf. 4140/4240/4340 - Bargaining Units)
(cf. 4154/4254/4354 - Health and Welfare Benefits)*

OPTION 2: *Temporary employees shall not participate in the health and welfare plans or other fringe benefits of the district.*

Paid Sick Leave

OPTION 1: *Except for a retired annuitant who is not reinstated to the retirement system, any temporary or substitute employee who works for 30 or more days within a year of his/her employment shall be entitled to one hour of paid sick leave for every 30 hours worked. Accrued paid sick days shall carry over to the following year of employment, up to a maximum of 48 hours. (Labor Code 246)*

OPTION 2: *Except for a retired annuitant who is not reinstated to the retirement system, any temporary or substitute employee who works for 30 or more days within a year of his/her employment shall accrue, on a regular basis, paid sick leave of up to 24 hours by the 120th calendar day of his/her employment or each calendar year or 12-month period. Accrued paid sick days shall carry over to the following year of employment, up to a maximum of 48 hours. (Labor Code 246)*

OPTION 3: *Except for a retired annuitant who is not reinstated to the retirement system, any temporary or substitute employee who works for 30 or more days within a year of his/her employment shall be credited with 24 hours of paid sick leave for that year. Unused sick leave shall not carry over to the following year of employment. (Labor Code 246)*

Any temporary or substitute employee may begin to use accrued paid sick days on the 90th day of his/her employment, after which he/she may use the sick days as they are accrued. (Labor Code 246)

A temporary or substitute employee may use accrued sick leave for absences due to: (Labor Code 246.5)

1. *His/her own need or the need of a family member, as defined in Labor Code 245.5, for the diagnosis, care, or treatment of an existing health condition or for preventive care*

TEMPORARY/SUBSTITUTE PERSONNEL (continued)

2. *Need of the employee to obtain or seek any relief or medical attention specified in Labor Code 230(c) and 230.1(a) for the health, safety, or welfare of the employee, or his/her child, when the employee has been a victim of domestic violence, sexual assault, or stalking*

(cf. 4161.1/4361.1 - Personal Illness/Injury Leave)

(cf. 4261.1 - Personal Illness/Injury Leave)

No employee shall be denied the right to use accrued sick days and the district shall not in any manner discriminate or retaliate against an employee for using or attempting to use sick leave, filing a complaint with the Labor Commissioner, or alleging district violation of Labor Code 245-249. The Superintendent or designee shall display a poster containing required information, provide notice to eligible employees of their sick leave rights, keep records of employees' use of sick leave for three years, and comply with other requirements specified in Labor Code 245-249 and in AR 4161.1/4361.1 - Personal Illness/Injury Leave.

Release from Employment/Dismissal

The Board may dismiss a substitute employee at any time at its discretion. (Education Code 44953)

The Board may release a temporary employee at its discretion if the employee has served less than 75 percent of the number of days the regular schools of the district are maintained during one school year. After serving 75 percent of the number of days that district schools are maintained during one school year, a temporary employee may be released as long as he/she is notified, before the last day of June, of the district's decision not to reelect him/her for the following school year. (Education Code 37200, 44954)

(cf. 4112.9/4212.9/4312.9 - Employee Notifications)

Reemployment as a Probationary Employee

Unless released from employment pursuant to Education Code 44954, any person employed for one complete school year as a temporary employee shall, if reemployed for the following school year in a vacant position requiring certification qualifications, be classified as a probationary employee. With the exception of on-call, day-to-day substitutes, if a temporary or substitute employee performs the duties normally required of certificated employees for at least 75 percent of the number of days the regular schools of the district were maintained in that school year and is then employed as a probationary employee for the following school year, his/her previous employment as a temporary or substitute employee shall be credited as one year's employment as a probationary employee for purposes of acquiring permanent status. (Education Code 44917, 44918, 44920)

(cf. 4116 - Probationary/Permanent Status)

TEMPORARY/SUBSTITUTE PERSONNEL (continued)

Vacant position means a position in which the employee is qualified to serve and which is not filled by a permanent or probationary employee. It shall not include a position which would be filled by a permanent or probationary employee except for the fact that such employee is on leave. (Education Code 44920, 44921)

A temporary employee hired pursuant to item #1 or #2 in the section "Classification" above shall be classified as a probationary employee if the duties continue beyond the time limits of the assignment. (Education Code 44919)

A person employed pursuant to item #5 in the section "Classification" above who is then continued in employment beyond the first semester shall be classified as a probationary employee for the entire school year and shall be reemployed to fill any vacant position in the district for which he/she is certified. Preference for available positions shall be determined by the Board as prescribed by Education Code 44845 and 44846. (Education Code 44921)

With the exception of on-call, day-to-day substitutes, any temporary or substitute employee who was released pursuant to Education Code 44954 but who has nevertheless served in a certificated position in the district for at least 75 percent of each of two consecutive school years shall receive first priority if the district fills a vacant position for the subsequent school year at the grade level at which the employee served during either year. In the case of a departmentalized program, the employee shall have taught the subject matter in which the vacant position occurs. (Education Code 44918)

Legal Reference: (see next page)

TEMPORARY/SUBSTITUTE PERSONNEL (continued)*Legal Reference:*EDUCATION CODE

- 22455.5 Provision of retirement plan information to potential members*
- 22515 Irrevocable election to join retirement plan*
- 37200 School calendar*
- 44252.5 State basic skills assessment required for certificated personnel*
- 44300 Emergency teaching or specialist permits*
- 44830 Employment of certificated persons; requirements of proficiency in basic skills*
- 44839.5 Employment of retirant*
- 44845 Date of employment*
- 44846 Criteria for reemployment preferences*
- 44909 Employees providing services through categorically funded programs*
- 44914 Substitute and probationary employment computation for classification as permanent employee*
- 44915 Classification of probationary employees*
- 44916 Time of classification; statement of employment status*
- 44917 Classification of substitute employees*
- 44918 Substitute or temporary employee deemed probationary employee; reemployment rights*
- 44919 Classification of temporary employees*
- 44920 Employment of certain temporary employees; classifications*
- 44921 Employment of temporary employees; reemployment rights (unified and high school districts)*
- 44953 Dismissal of substitute employees*
- 44954 Release of temporary employees*
- 44955 Layoff of permanent and probationary employees*
- 44956 Rights of laid-off permanent employees to substitute positions*
- 44957 Rights of laid-off probationary employees to substitute positions*
- 44977 Salary schedule for substitute employees*
- 45030 Substitutes*
- 45041 Computation of salary*
- 45042 Alternative method of computation for less than one school year*
- 45043 Compensation for employment beginning in the second semester*
- 56060-56063 Substitute teachers in special education*

GOVERNMENT CODE

- 3540.1 Educational Employment Relations Act, definitions*

LABOR CODE

- 220 Sections inapplicable to public employees*
- 230 Jury duty; legal actions by domestic violence, sexual assault and stalking victims, right to time off*
- 230.1 Employers with 25 or more employees; domestic violence, sexual assault and stalking victims, right to time off*
- 233 Illness of child, parent, spouse or domestic partner*
- 234 Absence control policy*
- 245-249 Healthy Workplaces, Healthy Families Act of 2014*

Legal Reference continued: (see next page)

TEMPORARY/SUBSTITUTE PERSONNEL (continued)

Legal Reference: (continued)

CODE OF REGULATIONS, TITLE 5

5502 *Filing of notice of physical examination for employment of retired person*

5503 *Physical examination for employment of retired persons*

5590 *Temporary athletic team coach*

80025-80025.5 *Emergency substitute teaching permits*

COURT DECISIONS

McIntyre v. Sonoma Valley Unified School District (2012) 206 Cal.App.4th 170

Stockton Teachers Association CTA/NEA v. Stockton Unified School District (2012) 204 Cal.App.4th 446

Neily v. Manhattan Beach Unified School District, (2011) 192 Cal.App.4th 187

California Teachers Association v. Vallejo City Unified School District, (2007) 149 Cal.App.4th 135

Bakersfield Elementary Teachers Assn. v. Bakersfield City School District, (2006) 145 Cal.App.4th 1260, 1277

Kavanaugh v. West Sonoma Union High School District, (2003) 29 Cal.4th 911

Management Resources:

WEB SITES

CSBA: <http://www.csba.org>

Commission on Teacher Credentialing: <http://www.ctc.ca.gov>

BOARD AGENDA ITEM

Name of Contributor(s): **Dr. Jesus Vaca**

Date of Meeting: **August 3, 2016**

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda _____
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading X 2nd Reading _____

HEALTH AND WELFARE BENEFITS – BP and AR 4154, 4254, 4354: Revision (Vaca)

DESCRIPTION OF AGENDA ITEM:

The policy and regulation have been revised to reflect new laws, as recommended by the California School Boards Association.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees review the attached policy and regulation for its first reading and eventual approval at the August 24, 2016 board meeting.

ADDITIONAL MATERIAL(S):

- BP 4154, 4254, 4354 Health and Welfare Benefits (three pages)
- AR 4154, 4254, 4354 Health and Welfare Benefits (four pages)

~~Certificated Employees~~

BP 4154(a)

All Personnel

4254

4354

HEALTH AND WELFARE BENEFITS

The Governing Board recognizes that health and welfare benefits are essential to promote employee health and productivity and are an important part of the compensation offered to employees. The district shall provide health and welfare benefits for ~~certificated and classified employees in bargaining units~~ in accordance with state and federal law and subject to negotiated employee agreements.

(cf. 4140/4240 - Bargaining Units)

(cf. 4141/4241 - Collective Bargaining Agreement)

(cf. 4151/4251/4351 - Employee Compensation)

Certificated management, administrative, and supervisory employees who are not in bargaining units shall receive the same health and welfare benefits as those specified in the collective bargaining agreement for certificated employees. Classified management, administrative, and supervisory employees who are not in bargaining units shall receive the same health and welfare benefits as those specified in the collective bargaining agreement for classified employees.

(cf. 4300 - Administrative and Supervisory Human Resources)

For purposes of granting benefits ~~pursuant to state law~~, a registered domestic partner and his/her child shall have the same rights, protections, and benefits as a spouse and spouse's child. (Family Code 297.5, 300)

The district shall offer full-time employees who work an average of 30 hours or more per week and their dependents up to age 26 years a health insurance plan that includes coverage for essential health benefits, pays at least 60 percent of the medical expenses covered under the terms of the plan, and meets all other requirements of the federal Patient Protection and Affordable Care Act.

With respect to eligibility to participate in the health benefits plan or the level of health benefits provided, the district shall not discriminate in favor of employees who are among the highest paid 25 percent of all district employees. (26 USC 105; 42 USC 300gg-16)

Confidentiality

The Superintendent or designee shall not use or disclose any medical information the district possesses pertaining to an employee without the employee's authorization obtained in accordance with Civil Code 56.21, except for the purpose of administering and maintaining employee benefit plans and for other purposes specified in law. (Civil Code 56.20)

(cf. 4112.6/4212.6/4312.6 - ~~Human Resources Records~~ Personnel Files)

Continuation of Coverage

HEALTH AND WELFARE BENEFITS (continued)

Retired certificated employees, other employees who would otherwise lose coverage due to a qualifying event specified in law and administrative regulation, and their qualified beneficiaries may continue to participate in the district's group health and welfare benefits in accordance with state and federal law.

Unless otherwise provided for in the applicable collective bargaining agreement, to receive continuation coverage, covered employees and their qualified beneficiaries shall pay the premiums, dues, and other charges, including any increases in premiums, dues, and costs incurred by the district in administering this program.

Legal Reference:

EDUCATION CODE

7000-7008 *Health and welfare benefits, retired certificated employees*

17566 *Self-insurance fund*

35208 *Liability insurance*

35214 *Liability insurance (self-insurance)*

44041-44042 *Payroll deductions for collection of premiums*

44986 *Leave of absence, state disability benefits*

45136 *Benefits for classified employees*

CIVIL CODE

56.10-56.16 *Disclosure of information by medical providers*

56.20-56.245 *Use and disclosure of medical information by employers*

FAMILY CODE

297-297.5 *Rights, protections and benefits under law; registered domestic partners*

GOVERNMENT CODE

12940 *Discrimination in employment*

22750-22944 *Public Employees' Medical and Hospital Care Act*

53200-53210 *Group insurance*

HEALTH AND SAFETY CODE

1366.20-1366.29 *Cal-COBRA program, health insurance*

1367.08 *Disclosure of fees and commissions paid related to health care service plan*

1373 *Health services plan, coverage for dependent children over 18 who are full-time students*

1373.621 *Continuation coverage, age 60 or older after five years with district*

1374.58 *Coverage for registered domestic partners, health service plans and health insurers*

INSURANCE CODE

10116.5 *Continuation coverage, age 60 or older after five years with district*

10128.50-10128.59 *Cal-COBRA program, disability insurance*

10277-10278 *Group and individual health insurance, coverage for dependent children*

10604.5 *Annual disclosure of fees and commissions paid*

12670-12692.5 *Conversion coverage*

LABOR CODE

2800.2 *Notification of conversion and continuation coverage*

4856 *Health benefits for spouse of peace officer killed in performance of duties*

UNEMPLOYMENT INSURANCE CODE

2613 *Education program; notice of rights and benefits*

UNITED STATES CODE, TITLE 1

7 *Definition of marriage, spouse*

HEALTH AND WELFARE BENEFITS (continued)

UNITED STATES CODE, TITLE 26

~~139C COBRA premium assistance, elimination of subsidy for high income individuals~~

105 Self-insured medical reimbursement plan; definition of highly compensated individual

~~4980B COBRA continuation coverage~~

~~6432 COBRA premium assistance~~

~~6720C COBRA premium assistance, failure to notify health plan of cessation of eligibility~~

4980H Penalty for noncompliance with employer-provided health care requirements

5000A Minimum essential coverage

6056 Report of health coverage provided to employees

UNITED STATES CODE, TITLE 29

~~1161-1168 COBRA continuation coverage~~

UNITED STATES CODE, TITLE 42

300gg-300gg95 Patient Protection and Affordable Care Act, especially:

300gg-16 Group health plan; nondiscrimination in favor of highly compensated individuals

~~1395-1395g Medicare benefits~~

CODE OF FEDERAL REGULATIONS, TITLE 26

~~54.4980B-1-54.4980B-10 COBRA continuation coverage~~

54.4980H-1-54.4980H-6 Patient Protection and Affordable Care Act

1.105-11 Self-insured medical reimbursement plan

CODE OF FEDERAL REGULATIONS, TITLE 45

~~164.500-164.534 Health Insurance Portability and Accountability Act (HIPAA)~~

Management Resources:

INTERNAL REVENUE SERVICE GUIDANCE

Premium Assistance for COBRA Benefits, Notice 2009-27

CALIFORNIA SCHOOL BOARDS ASSOCIATION PUBLICATIONS

Health Policy: Implications of Covered California for School Boards, Districts and Personnel,

Governance Brief, January 2013

INTERNAL REVENUE SERVICE NOTICES

2011-1 Affordable Care Act Nondiscrimination Provisions Applicable to Insured Group Health Plans

U.S. DEPARTMENT OF TREASURY PUBLICATIONS

Fact Sheet: Final Regulations Implementing Employer Shared Responsibility Under the Affordable Care Act (ACA) for 2015

WEB SITES

CSBA: <http://www.csba.org>

California Department of Industrial Relations: <http://www.dir.ca.gov>

California Employment Development Department: <http://www.edd.ca.gov>

Internal Revenue Service: <http://www.irs.gov>

U.S. Department of Health and Human Services, Centers for Medicare and Medicaid Services:

<http://www.cms.hhs.gov>

U.S. Department of Labor: <http://www.dol.gov>

~~Certificated Employees~~
All Personnel

AR 4154(a)
4254
4354

HEALTH AND WELFARE BENEFITS

Affordability of Health Coverage

The Superintendent or designee shall seek written assurance from the district's health insurance carrier(s) that the health plan offered to full-time district employees and their dependents meets all requirements of the federal Patient Protection and Affordable Care Act. (42 USC 300gg-300gg95; 26 USC 4980H; 26 CFR 54.4980H-1-54.4980H-6)

The Superintendent or designee also shall ensure that each employee's contribution to the employee-only health coverage does not exceed 9.5 percent of his/her modified household income, as defined in 26 USC 5000A. The Superintendent or designee shall calculate the affordability of the coverage using one or more of the following methods in a uniform and consistent basis for all employees within the same category: (26 USC 4980H; 26 CFR 54.4980H-4-54.4980H-5)

- 1. The district shall ensure that the lowest cost employee-only coverage does not exceed 9.5 percent of wages paid to the employee by the district for the calendar year as reported on the employee's W-2 tax form. For an employee not offered coverage for an entire calendar year, the wages shall be adjusted to reflect the period for which coverage was offered.*
- 2. The district shall ensure that the employee's required monthly contribution for the lowest cost employee-only coverage does not exceed 9.5 percent of an amount equal to 130 hours multiplied by the employee's hourly rate of pay on the first day of the plan year or his/her lowest hourly pay during the calendar month, whichever is lower.*
- 3. The district shall ensure that the employee's contribution does not exceed 9.5 percent of a monthly amount determined as the federal poverty line for a single individual for the applicable calendar year, divided by 12.*

Retired Certificated Employees

Any certificated employee who:

1. Retired under any public retirement system
2. Gained permanent status while in the employment of the district
3. Would currently be eligible for health and welfare benefits in the district if they were employed under the current conditions and in the same capacity as when permanency was gained, and
4. Otherwise meet the requirements of Education Code 7000 and his/her spouse/domestic partner shall be permitted to enroll in the health and welfare and/or

HEALTH AND WELFARE BENEFITS (continued)

dental care benefit plan currently provided for certificated employees. The plan also shall be available to any surviving spouse/domestic partner of a former certificated employee who either retired from the district or was, at the time of death, employed by the district and a member of the State Teachers' Retirement System. (Education Code 7000)

A retired certificated employee *or surviving spouse/domestic partner* shall be allowed to enroll in the coverage *within 30 days of losing active employee coverage* *If he/she does not enroll during this initial enrollment period, he/she may be denied further opportunity to do so. (Education Code 7000)* ~~upon retirement and/or expiration of Cobra coverage. If an individual is the surviving spouse of a retired certificated employee, they are also eligible to continue coverage if;~~

- ~~1. They are not eligible for any other group insurance coverage and,~~
- ~~2. They have not remarried~~

~~Coverage will be provided at the individuals own expense and premiums must be paid for a minimum of three months coverage. A retiree or spouse who has elected coverage under AB 528 and who has subsequently terminated for any reason, will be excluded from reobtaining coverage at any other date.~~

COBRA/Cal-COBRA Continuation Coverage

Covered district employees and their qualified beneficiaries shall be offered the opportunity to continue health and disability insurance coverage when they otherwise would lose coverage due to one of the following qualifying events: (Health and Safety Code 1366.21, 1366.23, 1373; Insurance Code 10128.51, 10128.53, 10277; 26 USC 4980B; 26 CFR 54.4980B-4)

1. Death of the covered employee
2. Termination or reduction in hours of the covered employee's employment, other than termination by reason of the employee's gross misconduct

(cf. 4117.4 - Dismissal)
(cf. 4218 - Dismissal/Suspension/Disciplinary Action)

3. Divorce or legal separation of the covered employee
4. Covered employee's becoming entitled to Medicare benefits

HEALTH AND WELFARE BENEFITS (continued)

5. A dependent child ceasing to be a dependent child of the covered employee

Continuation health coverage shall be the same as provided to similarly situated individuals under the group benefit plan. (Health and Safety Code 1366.23; Insurance Code 10128.53; 26 USC 4980B)

The Superintendent or designee shall notify the health care service plan administrator of a qualifying event listed in item #1, 2, or 4 above, within 30 days of the event. A covered employee or qualified beneficiary shall notify the service plan administrator of a qualifying event listed in item #3 or 5 above within 60 days of the event or of the date that the beneficiary would lose coverage, whichever is later. (26 USC 4980B; 29 USC 1163, 1166; 26 CFR 54.4980B-6)

Continuation coverage shall be terminated in accordance with the district's insurance plan and federal and state law. (26 USC 4980B; 26 CFR 54.4980B-6; Health and Safety Code 1373.621; Insurance Code 10116.5)

The Superintendent or designee shall notify covered employees and qualified beneficiaries of the availability of conversion and continuation coverage. This notification shall include the statement in Labor Code 2800.2 encouraging individuals to examine their options carefully before declining such coverage. (Labor Code 2800.2)

(cf. 4112.9/4212.9/4312.9 - Employee Notifications)

~~Temporary Subsidized Premium for COBRA/Cal-COBRA~~

~~Under either of the following circumstances, a former employee and his/her qualified beneficiaries shall pay 35 percent of the premium amount they would otherwise be required to pay for health care continuation coverage: (26 USC 139C, 6432 Note; Health and Safety Code 1366.25; Insurance Code 10128.55)~~

- ~~1. The employee is involuntarily terminated, other than by reason of gross misconduct, between September 1, 2008 and March 31, 2010, or a later date if extended by law~~
- ~~2. The employee's eligibility for continuation coverage is due to a reduction in hours and he/she subsequently experiences an involuntary termination between March 2, 2010 and March 31, 2010, or a later date if extended by law~~

~~The district shall seek reimbursement of district payments toward the normal employee share of the premium as allowed by law. (26 USC 139C, 6432; Health and Safety Code 1366.25; Insurance Code 10128.55)~~

HEALTH AND WELFARE BENEFITS (continued)

~~The premium reduction shall apply until one of the following dates, whichever comes first:
(26 USC 6432 Note)~~

- ~~1. Fifteen months after the first day of the first month for which the premium reduction applies to the assistance-eligible individual~~
- ~~2. The first date that the assistance-eligible individual becomes eligible for Medicare coverage or other group health plan coverage, with certain exceptions specified in law~~
- ~~3. The date the assistance-eligible individual ceases to be eligible for continuation coverage for other reasons as noted in the section "Continuation of Coverage" above~~

~~Because the premium reduction will be offset by an increase in income tax liability for individuals who earn more than \$125,000 for the tax year (or \$250,000 for married couples filing a joint federal income tax return), such individuals may choose to permanently waive their right to the subsidy. (26 USC 6432)~~

Disability Insurance

The Superintendent or designee shall give notice of disability insurance rights and benefits to each new employee and each employee leaving work due to pregnancy, nonoccupational illness or injury, or the need to provide care for any sick or injured family member, or the need to bond with a minor child within the first year of the child's birth or placement in connection with foster care or adoption. (Unemployment Insurance Code 2613)

(cf. 4157.1/4257.1/4357.1 - Work-Related Injuries)
(cf. 4161/4261/4361 - Leaves)
(cf. 4161.1/4361.1 - Personal Illness/Injury Leave)
(cf. 4161.8/4261.8/4361.8 - Family Care and Medical Leave)
(cf. 4261.1 - Personal Illness and Injury Leave)

When disabled by an injury resulting from a violent act sustained while performing duties within the scope of employment and performing creditable employment, a certificated or classified employee may continue in the district health and dental care plans upon meeting criteria specified by law. The employee shall pay all employer and employee premiums and related administrative costs. (Education Code 7008)

BOARD AGENDA ITEM

Name of Contributor(s): **Dr. Jesus Vaca**

Date of Meeting: **August 3, 2016**

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda _____
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading X 2nd Reading _____

PERSONAL ILLNESS/INJURY LEAVE– AR 4161.1 and 4361.1: New (Vaca)

DESCRIPTION OF AGENDA ITEM:

The regulations have been added to reflect new laws, as recommended by the California School Boards Association.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees review the attached regulations for first reading and eventual approval at the August 24, 2016 board meeting.

ADDITIONAL MATERIAL(S):

AR 4161.1, 4361.1 Personal Illness/Injury Leave (six pages)

PERSONAL ILLNESS/INJURY LEAVE

Certificated employees employed five school days a week are entitled to 10 days' leave of absence with full pay for personal illness or injury (sick leave), per school year of service. Employees who work less than five school days per week (part-time employees) shall be granted sick leave in proportion to the time they work. However, any part-time employee who is entitled to less than three days of paid sick leave due to the amount of time worked shall be granted sick leave pursuant to Labor Code 246, if he/she is eligible. (Education Code 44978; Labor Code 245-249)

(cf. 4161/4261/4361 - Leaves)

(cf. 4161.9/4261.9/4361.9 - Catastrophic Leave Program)

Use of Sick Leave

Certificated employees may use sick leave for absences due to:

- 1. Accident or illness, whether or not the absence arises out of or in the course of employment; quarantine which results from contact with other persons having a contagious disease during the employee's performance of his/her duties; or temporary inability to perform assigned duties because of illness, accident, or quarantine (Education Code 44964)*

(cf. 4157.1/4257.1/4357.1 - Work-Related Injuries)

- 2. Pregnancy, miscarriage, childbirth, and related recovery (Education Code 44965, 44978)*

(cf. 4161.8/4261.8/4361.8 - Family Care and Medical Leave)

- 3. Personal necessity (Education Code 44981)*

(cf. 4161.2/4261.2/4361.2 - Personal Leaves)

- 4. Medical and dental appointments, in increments of not less than one hour*

- 5. Industrial accidents or illnesses when leave granted specifically for that purpose has been exhausted (Education Code 44984)*

(cf. 4161.11/4361.11 - Industrial Accident/Illness Leave)

- 6. In any calendar year, an employee may use the amount of sick leave he/she would accrue during six months at his/her current rate of entitlement for the following: (Labor Code 233, 246.5)*

PERSONAL ILLNESS/INJURY LEAVE (continued)

- a. *Need of the employee or his/her family member, as defined in Labor Code 245.5, for the diagnosis, care, or treatment of an existing health condition or for preventive care*
- b. *Need of the employee to seek or obtain any relief or medical attention specified in Labor Code 230(c) and/or 230.1(a) for the health, safety, or welfare of the employee, or his/her child, when the employee has been a victim of domestic violence, sexual assault, or stalking*

An employee may take sick leave at any time during the school year, even if credit for sick leave has not yet been accrued. (Education Code 44978)

An employee shall reimburse the district for any unearned sick leave used as of the date of his/her termination.

Unused days of sick leave shall be accumulated from year to year without limitation. (Education Code 44978)

At the beginning of each school year, employees shall be notified of the amount of sick leave they have accumulated.

The district shall not require new employees to waive leave accumulated in a previous district. (Education Code 44979, 44980)

The Superintendent or designee shall notify any certificated employee who leaves the district after at least one school year of employment that if the employee accepts a certificated position in another district, county office of education, or community college district within one year, he/she may request that the district transfer his/her accumulated sick leave to the new employer. (Education Code 44979, 44980)

Notification of Absence

An employee shall notify the district of his/her need to be absent as soon as such need is known, so that substitute services may be secured. This notification shall include an estimate of the expected duration of absence. If the absence becomes longer than estimated, the employee shall so notify the district. If the duration of absence becomes shorter than estimated, the employee shall notify the district not later than three o'clock in the afternoon of the day preceding the day on which he/she intends to return to work. If the employee fails to notify the district and the failure results in a substitute being secured, the cost of the substitute shall be deducted from the employee's pay.

(cf. 4121 - Temporary/Substitute Personnel)

PERSONAL ILLNESS/INJURY LEAVE (continued)

Continued Absence After Available Sick Leave Is Exhausted/Differential Pay

OPTION 1:

During each school year, when a certificated employee has exhausted all available sick leave, including all accumulated sick leave, and, due to illness or injury, continues to be absent from his/her duties for an additional period up to five school months, the employee shall receive his/her regular salary minus the actual cost of a substitute to fill the position. If the district has made every reasonable effort to secure the services of a substitute and has been unable to do so, the amount that would have been paid to a substitute shall be deducted from the employee's salary.

An employee shall not be provided more than one five-month period per illness or injury. However, if the school year ends before the five-month period is exhausted, the employee may take the balance of the five-month period in a subsequent school year. (Education Code 44977)

In addition, during each school year, any certificated employee who has exhausted all available sick leave, including accumulated sick leave, and continues to be absent on account of maternity or paternity leave (baby bonding) pursuant to Government Code 12945.2 shall receive, for up to 12 school weeks, his/her regular salary minus the actual cost of a substitute to fill the position or, if no substitute was employed, the amount that would have been paid had a substitute been employed. The 12-week period shall be reduced by any period of sick leave, including accumulated sick leave, taken during a period of such maternity or paternity leave. (Education Code 44977.5)

If a certificated employee is not medically able to resume his/her duties after the five-month period provided pursuant to Education Code 44977, the employee shall be placed either in another position or on a reemployment list. Placement on the reemployment list shall be for 24 months for probationary employees or 39 months for permanent employees and shall begin at the expiration of the five-month period. If during this time the employee becomes medically able, he/she shall be returned to employment in a position for which he/she is credentialed and qualified. (Education Code 44978.1)

(cf. 4116 - Probationary/Permanent Status)

Verification Requirements

After any absence due to illness or injury, the employee shall verify the absence by submitting a completed and signed district absence form to his/her immediate supervisor.

The Superintendent or designee may require verification whenever an employee's absence

PERSONAL ILLNESS/INJURY LEAVE (continued)

record shows chronic absenteeism or a pattern of absences immediately before or after weekends and/or holidays or whenever available evidence clearly indicates that an absence is not related to illness or injury.

In addition, the Superintendent or designee may require an employee to visit a physician selected by the district, at district expense, in order to receive a report on the medical condition of the employee. The report shall include a statement as to the employee's need for further leave of absence and a prognosis as to when the employee will be able to return to work. If the report concludes that the employee's condition does not warrant continued absence, the Superintendent or designee may, after giving notice to the employee, deny further leave.

Any district request for additional verification by an employee's physician or a district-selected physician shall be in writing and shall specify that the report to be submitted to the district should not contain the employee's genetic information.

Any genetic information received by the district on behalf of an employee shall be treated as a confidential medical record, maintained in a file separate from the employee's personnel file, and shall not be disclosed except in accordance with 29 CFR 1635.9.

Before returning to work, an employee who has been absent for surgery, hospitalization, or extended medical treatment may be asked to submit a letter from his/her physician stating that he/she is able to return to duty and stipulating any necessary restrictions or limitations.

(cf. 4032 - Reasonable Accommodation)

(cf. 4113.4/4213.4/4313.4 - Temporary Modified/Light-Duty Assignment)

Healthy Workplaces, Healthy Families Act Requirements

No employee shall be denied the right to use accrued sick days, and the district shall not in any manner discriminate or retaliate against an employee for using or attempting to use sick leave, filing a complaint with the Labor Commissioner, or alleging district violation of Labor Code 245-249.

To ensure the district's compliance with Labor Code 245-249, the Superintendent or designee shall:

- 1. At a conspicuous location in each workplace, display a poster on paid sick leave that includes the following information:*
 - a. That an employee is entitled to accrue, request, and use paid sick days*
 - b. The amount of sick days provided by Labor Code 245-249*

PERSONAL ILLNESS/INJURY LEAVE (continued)

- c. *The terms of use of paid sick days*
 - d. *That discrimination or retaliation against an employee for requesting or using sick leave is prohibited by law and an employee has the right to file a complaint with the Labor Commissioner if the district discriminates or retaliates against him/her*
- 2. *Provide at least 24 hours or three days of paid sick leave to each eligible employee to use per year and allow eligible employees to use accrued sick leave upon reasonable request*
 - 3. *Provide eligible employees written notice, on their pay stub or other document issued with their pay check, of the amount of paid sick leave they have available*

(cf. 4112.9/4212.9/4312.9 - Employee Notifications)

- 4. *Keep a record documenting the hours worked and paid sick days accrued and used by each eligible employee for three years*

Legal Reference:

EDUCATION CODE

- 44964 *Power to grant leave of absence in case of illness, accident, or quarantine*
- 44965 *Granting of leaves of absence for pregnancy and childbirth*
- 44976 *Transfer of leave rights when school is transferred to another district*
- 44977 *Salary deduction during absence from duties up to five months after sick leave is exhausted*
- 44977.5 *Salary deduction during absence from duties for maternity or paternity leave up to 12 weeks after sick leave is exhausted*
- 44978 *Provisions for sick leave of certificated employees*
- 44978.1 *Inability to return to duty; placement in another position or on reemployment list*
- 44979 *Transfer of accumulated sick leave to another district*
- 44980 *Transfer of accumulated sick leave to a county office of education*
- 44981 *Leave of absence for personal necessity*
- 44983 *Exception to sick leave when district adopts specific rule*
- 44984 *Industrial accident or illness*
- 44986 *Leave of absence for disability allowance applicant*

LABOR CODE

- 220 *Sections inapplicable to public employees*
- 230 *Jury duty; legal actions by domestic violence, sexual assault and stalking victims, right to time off*
- 230.1 *Employers with 25 or more employees; domestic violence, sexual assault and stalking victims, right to time off*
- 233 *Illness of child, parent, spouse or domestic partner*
- 234 *Absence control policy*
- 245-249 *Healthy Workplaces, Healthy Families Act of 2014*

Legal Reference: (see next page)

PERSONAL ILLNESS/INJURY LEAVE (continued)

Legal Reference:

CODE OF REGULATIONS, TITLE 5

5601 Transfer of accumulated sick leave

UNITED STATES CODE, TITLE 42

2000ff-2000ff-11 Genetic Information Nondiscrimination Act of 2008

CODE OF FEDERAL REGULATIONS, TITLE 29

1635.1-1635.12 Genetic Information Nondiscrimination Act of 2008

COURT DECISIONS

Veguez v. Governing Board of Long Beach Unified School District, (2005) 127 Cal.App.4th 406

Regulation
approved: August 24, 2016

OXNARD SCHOOL DISTRICT
Oxnard, California

BOARD AGENDA ITEM

Name of Contributor(s): **Dr. Jesus Vaca**

Date of Meeting: **August 3, 2016**

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda _____
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading X 2nd Reading _____

PERSONAL LEAVES – AR 4161.2, 4261.2, 4361.2: New (Vaca)

DESCRIPTION OF AGENDA ITEM:

The regulations have been added to reflect new laws, as recommended by the California School Boards Association.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees review the attached regulations for first reading and eventual approval at the August 24, 2016 board meeting.

ADDITIONAL MATERIAL(S):

AR 4161.2, 4261.2 4361.2 Personal Leaves (ten pages)

All Personnel

AR 4161.2(a)

4261.2

PERSONAL LEAVES

4361.2

Personal leaves granted to district employees shall be used as permitted in this administrative regulation, other Board-approved policy or district regulation, or applicable collective bargaining agreement.

For the purpose of any personal leave offered pursuant to state law, a registered domestic partner shall have the same rights, protections, and benefits as a spouse and protections provided to a spouse's child shall also apply to a child of a registered domestic partner. (Family Code 297.5)

Whenever possible, employees shall request personal leaves in advance and prepare suitable instructions, including lesson plans as applicable, for a substitute employee.

(cf. 4121 - Temporary/Substitute Personnel)

Bereavement

Employees are entitled to a leave of up to three days, or five days if out-of-state travel is required, upon the death of any member of the employee's immediate family. No deduction shall be made from the employee's salary, nor shall such leave be deducted from any other leave to which the employee is entitled. (Education Code 44985, 45194)

(cf. 4161/4261/4361 - Leaves)

Members of the immediate family include: (Education Code 44985, 45194)

- 1. The mother, father, grandmother, grandfather, or grandchild of the employee or of the employee's spouse*
- 2. The employee's spouse, son, son-in-law, daughter, daughter-in-law, brother, or sister*
- 3. Any relative living in the employee's immediate household*

At the employee's request, bereavement leave may be extended under personal necessity leave provisions as provided in the section "Personal Necessity" below. (Education Code 44981, 45207)

Personal Necessity

Employees may use a maximum of seven days of their accrued personal illness/injury leave (sick leave) during each school year for reasons of personal necessity. (Education Code 44981, 45207)

(cf. 4161.1/4361.1 - Personal Illness/Injury Leave)

(cf. 4261.1 - Personal Illness/Injury Leave)

PERSONAL LEAVES (continued)

Acceptable reasons for the use of personal necessity leave include:

1. *Death of a member of the employee's immediate family when the number of days of absence exceeds the limits set by bereavement leave provisions (Education Code 44981, 45207)*
2. *An accident involving the employee or his/her property or the person or property of a member of the employee's immediate family (Education Code 44981, 45207)*
3. *Illness, preventive care, or other need of a member of the employee's family, as defined in Labor Code 245.5 (Education Code 44981; Labor Code 246.5)*

(cf. 4161.8/4261.8/4361.8 - Family Care and Medical Leave)

4. *A classified employee's appearance in any court or before any administrative tribunal as a litigant, party, or witness under subpoena or other order (Education Code 45207)*
5. *Fire, flood, or other immediate danger to the home of the employee*
6. *Personal business of a serious nature which the employee cannot disregard*

Leave for personal necessity may be allowed for other reasons at the discretion of the Superintendent or designee. However, personal necessity leave shall not be granted for purposes of personal convenience, for the extension of a holiday or vacation, or for matters which can be taken care of outside of working hours. The Superintendent or designee shall have final discretion as to whether or not a request reflects personal necessity.

Advance permission shall not be required of an employee in any case involving the death of a member of the employee's immediate family, an accident involving the employee's person or property or the person or property of a member of his/her immediate family, or the illness, preventive care, or other need of a member of the employee's family. (Education Code 44981, 45207)

For any leave that is planned, or where the need for leave is foreseeable, an employee shall notify the Superintendent or designee in advance. In all other circumstances, the employee shall notify the Superintendent or designee of the need for the leave as soon as practicable.

After any absence due to personal necessity, the employee shall verify the absence by submitting a completed and signed district absence form to his/her immediate supervisor.

AR 4161.2(c)
4261.2
4361.2

PERSONAL LEAVES (continued)

Legal Duties

An employee may take time off work in order to: (Labor Code 230)

1. *Serve on an inquest jury or trial jury*
2. *Comply with a subpoena or other court order to appear as a witness*

Notices, summons, and subpoenas for court appearances shall be submitted to the district office when requesting leave.

A classified employee called for jury duty shall be granted leave with pay up to the amount of the difference between his/her regular earnings and any amount received for jury fees. (Education Code 44037)

A certificated employee who is called for jury duty also shall be granted leave with pay up to the difference between his/her regular earnings and any jury fees he/she received.

An employee shall be granted leave with pay to appear in court as a witness other than a litigant or to respond to an official order from another governmental jurisdiction for reasons not brought about through the connivance or misconduct of the employee. Such an employee shall receive the difference between his/her regular earnings and any witness fees he/she received.

Leaves for Crime Victims

An employee may be absent from work in order to attend judicial proceedings related to a crime when he/she is a victim, or an immediate family member, registered domestic partner, or child of a registered domestic partner of a victim, of any of the following crimes: (Labor Code 230.2)

1. *A violent felony as defined in Penal Code 667.5(c)*
2. *A serious felony as defined in Penal Code 1192.7(c)*
3. *A felony provision of law proscribing theft or embezzlement*

For these purposes, the employee may use vacation, personal leave, personal illness/injury leave, unpaid leave, or compensatory time off that is otherwise available to the employee. (Labor Code 230.2)

PERSONAL LEAVES (continued)

Prior to taking time off, an employee shall give his/her supervisor a copy of the notice of each scheduled proceeding that is provided by the responsible agency, unless advance notice is not feasible. When advance notice is not feasible or an unscheduled absence occurs, the employee shall, within a reasonable time after the absence, provide documentation evidencing the judicial proceeding from the court or government agency setting the hearing, the district attorney or prosecuting attorney's office, or the victim/witness office that is advocating on behalf of the victim. (Labor Code 230.2)

The district shall keep confidential any records pertaining to the employee's absence from work by reason of this leave. (Labor Code 230.2)

Leaves for Victims of Domestic Violence, Sexual Assault and Stalking

An employee who is a victim of domestic violence, sexual assault, or stalking as defined by law may use vacation, sick leave, personal leave, or compensatory time off that is otherwise available to him/her under the terms of his/her employment to attend to the following activities: (Labor Code 230, 230.1, 246.5)

1. *Obtain or attempt to obtain any relief, including, but not limited to, a temporary restraining order, restraining order, or other injunctive relief to help ensure the health, safety, or welfare of the employee or his/her child*
2. *Seek medical attention for injuries caused by domestic violence, sexual assault, or stalking*
3. *Obtain services from a domestic violence shelter, program, or rape crisis center as a result of domestic violence, sexual assault, or stalking*
4. *Obtain psychological counseling related to an experience of domestic violence, sexual assault, or stalking*
5. *Participate in safety planning and take other actions to increase safety from future domestic violence, sexual assault, or stalking, including temporary or permanent relocation*

Prior to taking time off, an employee shall give reasonable notice to his/her supervisor, unless advance notice is not feasible. When an unscheduled absence occurs, the employee

AR 4161.2(e)
4261.2
4361.2

PERSONAL LEAVES (continued)

shall provide, within a reasonable period of time, certification of the absence in the form of any of the following: (Labor Code 230, 230.1)

1. *A police report indicating that the employee was a victim of domestic violence, sexual assault, or stalking*
2. *A court order protecting or separating the employee from the perpetrator of an act of domestic violence, sexual assault, or stalking, or other evidence from the court or prosecuting attorney that the employee has appeared in court*
3. *Documentation from a domestic violence or sexual assault counselor as defined in Evidence Code 1037.1 or 1035.2, licensed medical professional or health care provider, or counselor that the employee was undergoing treatment for physical or mental injuries or abuse resulting in victimization from an act of domestic violence, sexual assault, or stalking*

The district shall maintain the confidentiality of such an employee to the extent authorized by law. (Labor Code 230, 230.1)

Personal Leave for Child-Related Activities

Any employee who is a parent/guardian of one or more children of an age to attend any of grades K-12 or a program offered by a licensed child care provider may use up to 40 hours of personal leave, vacation, or compensatory time off each school year in order to: (Labor Code 230.8)

1. *Find, enroll, or reenroll his/her child in a school or with a licensed child care provider or to participate in activities of the school or child care provider, provided the employee gives reasonable advance notice of the absence. Time off for this purpose shall not exceed eight hours in any calendar month.*
2. *Address a school or child care emergency, provided the employee gives notice. An emergency exists when the child cannot remain in school or with a child care provider due to one of the following circumstances:*
 - a. *A request by the school or child care provider that the child be picked up*
 - b. *An attendance policy, excluding planned holidays, that prohibits the child from attending or requires that the child be picked up from the school or child care provider*

AR 4161.2(f)
4261.2
4361.2

PERSONAL LEAVES (continued)

- c. Behavioral or discipline problems
- d. Closure or unexpected unavailability of the school or child care provider, excluding planned holidays
- e. A natural disaster, including, but not limited to, fire, earthquake, or flood

(cf. 5148 - Child Care and Development)

For purposes of this leave, parent/guardian includes a parent, guardian, stepparent, foster parent, grandparent, or person who stands in loco parentis to a child. (Labor Code 230.8)

In lieu of using vacation, personal leave, or compensatory time off, eligible employees may take unpaid leave for this purpose.

If two or more parent/guardian of a child are employed at the same work site, this leave shall be allowed for the parent/guardian who first gives notice to the district. Simultaneous absence by another parent/guardian of the child may be granted by the Superintendent or designee. (Labor Code 230.8)

Upon request by the Superintendent or designee, the employee shall provide documentation from the school or licensed child care provider that he/she engaged in permitted child-related activities on a specific date and at a particular time. (Labor Code 230.8)

Service on Education Boards and Committees

Upon request, a certificated employee shall be granted up to 20 school days of paid leave per school year for service performed within the state on any education board, commission, committee, or group authorized by Education Code 44987.3 provided that all of the following conditions are met: (Education Code 44987.3)

1. The service is performed within the state.
2. The board, commission, organization, or group informs the district in writing of the service.
3. The board, commission, organization, or group agrees, prior to the service, to reimburse the district, upon the district's request, for compensation paid to the employee's substitute and for actual related administrative costs.

AR 4161.2(g)
4261.2
4361.2

PERSONAL LEAVES (continued)

Employee Organization Activities

Upon request, any certificated or classified employee shall be granted a leave of absence without loss of compensation to serve as an elected officer of a district employee organization or any statewide or national employee organization with which the employee organization is affiliated. The leave shall include, but is not limited to, absence for purposes of attending periodic, stated, special, or regular meetings of the body of the organization. (Education Code 44987, 45210)

*(cf. 4140/4240/4340 - Bargaining Units)
(cf. 4143/4243 - Negotiations)*

Upon request of an employee organization in the district or its state or national affiliate, a reasonable number of unelected classified employees shall be granted a leave of absence without loss of compensation for the purpose of attending important organizational activities authorized by the organization. The employee organization shall provide reasonable notification to the Superintendent or designee when requesting a leave of absence for employees for this purpose. (Education Code 45210)

When leave is granted for any of the above purposes, the employee organization shall reimburse the district within 10 days after receiving the district's certification of payment of compensation to the employee. (Education Code 44987, 45210)

Religious Leave

The Superintendent or designee may grant an employee up to three days of leave per year for religious purposes, provided that the leave is requested in advance and that it does not cause additional district expenditures, the neglect of assigned duties, or any other unreasonable hardship on the district.

The Superintendent or designee shall deduct the cost of hiring a substitute, when required, from the wages of the employee who takes religious leave.

No employee shall be discriminated against for using this leave or any additional days of unpaid leave granted for religious observances at the discretion of the Superintendent or designee.

Spouse on Leave from Military Deployment

An employee who works an average of 20 hours or more per week and whose spouse is a member of the United States Armed Forces, National Guard, or reserves may take up to 10

AR 4161.2(h)
4261.2
4361.2

PERSONAL LEAVES (continued)

days of unpaid leave during a period that his/her spouse is on leave from deployment during a military conflict, as defined in Military and Veterans Code 395.10. (Military and Veterans Code 395.10)

Within two business days of receiving official notice that his/her spouse will be on leave from deployment, the employee shall provide the Superintendent or designee with notice of his/her intention to take the leave. The employee shall submit written documentation certifying that his/her spouse will be on leave from deployment during the time that the leave is requested. (Military and Veterans Code 395.10)

Leave for Emergency Duty

An employee may take time off to perform emergency duty as a volunteer firefighter, a reserve peace officer, or emergency rescue personnel. (Labor Code 230.3)

Any employee who performs duty as a volunteer firefighter, reserve peace officer, or emergency rescue personnel shall be permitted to take temporary leaves of absence, not to exceed an aggregate total of 14 days per calendar year, for the purpose of engaging in fire, law enforcement, or emergency rescue training. (Labor Code 230.4)

Civil Air Patrol Leave

An employee may take up to 10 days of unpaid leave per calendar year, beyond any leave otherwise available to him/her, to respond to an emergency operational mission of the California Civil Air Patrol, provided that the employee has been employed by the district for at least a 90-day period immediately preceding the leave. Such leaves shall not exceed three days for a single mission, unless an extension is granted by the governmental entity authorizing the mission and is approved by the Superintendent or designee. (Labor Code 1501, 1503)

The employee shall give the district as much advance notice as possible of the intended dates of the leave. The Superintendent or designee may require certification from the proper Civil Air Patrol authority to verify the eligibility of the employee for the leave and may deny the leave if the employee fails to provide the required certification. (Labor Code 1503)

Legal Reference: (see next page)

PERSONAL LEAVES (continued)

Legal Reference:

EDUCATION CODE

- 44036-44037 Leaves of absence for judicial and official appearances
- 44963 Power to grant leaves of absence (certificated)
- 44981 Leave of absence for personal necessity (certificated)
- 44985 Leave of absence due to death in immediate family (certificated)
- 44987 Service as officer of employee organization (certificated)
- 44987.3 Leave of absence to serve on certain boards, commissions, etc.
- 45190 Leaves of absence and vacations (classified)
- 45194 Bereavement leave of absence (classified)
- 45198 Effect of provisions authorizing leaves of absence
- 45207 Personal necessity (classified)
- 45210 Service as officer of employee organization (classified)
- 45240-45320 Merit system, classified employees

EVIDENCE CODE

- 1035.2 Sex assault counselor; definition
- 1037.1 Domestic violence counselor; definition

FAMILY CODE

- 297-297.5 Registered domestic partner rights, protections, and benefits

GOVERNMENT CODE

- 3543.1 Release time for representatives of employee organizations
- 12945.1-12945.2 California Family Rights Act

LABOR CODE

- 230-230.2 Leave for victims of domestic violence, sexual assault, or specified felonies
- 230.3 Leave for emergency personnel
- 230.4 Leave for volunteer firefighters
- 230.8 Leave to visit child's school
- 233 Illness of child, parent, spouse, domestic partner or domestic partner's child
- 234 Absence control policy
- 246.5 Paid sick days, purposes for use
- 1500-1507 Civil Air Patrol leave

MILITARY AND VETERANS CODE

- 395.10 Leave when spouse on leave from military deployment

PENAL CODE

- 667.5 Violent felony, defined
- 1192.7 Serious felony, defined

CALIFORNIA CONSTITUTION

- Article 1, Section 8 Religious discrimination

Legal Reference continued: (see next page)

AR 4161.2(j)
4261.2
4361.2

PERSONAL LEAVES (continued)

Legal Reference: (continued)

UNITED STATES CODE, TITLE 29

2601-2654 Family and Medical Leave Act

UNITED STATES CODE, TITLE 42

2000d-2000d-7 Title VII, Civil Rights Act of 1964

COURT DECISIONS

Rankin v. Commission on Professional Competence, (1988) 24 Cal.3d 167

PUBLIC EMPLOYMENT RELATIONS BOARD DECISIONS

Berkeley Council of Classified Employees v. Berkeley Unified School District, (2008) PERB Decision No. 1954

Management Resources:

WEB SITES

California Federation of Teachers: <http://www.cft.org>

California School Employees Association: <http://www.csea.com>

California Teachers Association: <http://www.cta.org>

Public Employment Relations Board: <http://www.perb.ca.gov>

BOARD AGENDA ITEM

Name of Contributor(s): **Dr. Jesus Vaca**

Date of Meeting: **August 3, 2016**

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda _____
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading X 2nd Reading _____

INDUSTRIAL ACCIDENT/ILLNESS LEAVE – AR 4161.11, 4261.11, and 4361.11: New (Vaca)

DESCRIPTION OF AGENDA ITEM:

The regulations have been added to reflect new laws, as recommended by the California School Boards Association.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees review the attached regulations for first reading and eventual approval at the August 24, 2016 board meeting.

ADDITIONAL MATERIAL(S):

AR 4161.11, 4261.11, and 4361.11 Industrial Accident/Illness Leave (three pages)

All Personnel

AR 4161.11(a)

4261.11

INDUSTRIAL ACCIDENT/ILLNESS LEAVE

4361.11

An eligible employee shall be entitled to a leave of absence for an industrial accident or illness arising in the course of his/her assigned duties. (Education Code 44984, 45192)

(cf. 4113.4/4213.4/4313.4 - Temporary Modified/Light-Duty Assignment)

(cf. 4157/4257/4357 - Employee Safety)

(cf. 4157.1/4257.1/4357.1 - Work-Related Injuries)

(cf. 4157.2/4257.2/4357.2 - Ergonomics)

(cf. 4161/4261/4361 - Leaves)

For such leave, the employee shall be granted no more than 60 working days in any one fiscal year for the same industrial accident or illness.

To be eligible for industrial accident or illness leave, a classified employee shall have served in the district continuously for at least three years.

Allowable industrial accident or illness leave shall not be accumulated from year to year. (Education Code 44984, 45192)

When an employee is absent from his/her duties because of an industrial accident or illness: (Education Code 44043, 44044, 44984, 45192)

1. *The leave shall start on the first day of absence.*
2. *During the period of absence, the employee shall be paid such portion of his/her wage or salary that, when added to the award granted under state workers' compensation laws, will not exceed his/her normal wage or salary.*
3. *The leave shall be reduced by one day for each day of authorized absence, regardless of an award granted under workers' compensation laws.*
4. *When the leave overlaps into the next fiscal year, the employee is entitled to only the amount of unused leave due the employee for the same illness or injury.*

During any paid leave of absence, the employee shall retain any workers' compensation check received on account of an industrial accident or illness. The employee shall notify the Superintendent or designee that he/she has received such check. The Superintendent or designee shall then issue payment of the employee's normal wage or salary less an amount equivalent to the face amount of the workers' compensation check and other appropriate deductions, including, but not limited to, employee retirement contributions. Employee benefits shall be computed on the basis of the employee's regular wage or salary prior to the deduction of any amounts for temporary disability payments. (Education Code 44044)

Absence for industrial accident or illness shall not be considered a break in service of the employee. An employee using such leave shall retain all status and benefits to which he/she would otherwise be entitled.

INDUSTRIAL ACCIDENT/ILLNESS LEAVE (continued)

(cf. 4116 - Probationary/Permanent Status)
(cf. 4154/4254/4354 - Health and Welfare Benefits)
(cf. 4216 - Probationary/Permanent Status)

When available industrial accident or illness leave has been exhausted, the employee shall be so notified in writing and shall be offered an opportunity to request any additional paid or unpaid leave available to the employee. (Education Code 45192)

(cf. 4112.9/4212.9/4312.9 - Employee Notifications)

Upon expiration of allowable leave for an industrial accident or illness, the employee may use personal illness and injury leave provided pursuant to Education Code 44977, 44978, 44983, or 45191, as applicable, provided that such leave, when added to any continuing workers' compensation award, does not result in a payment to the employee of more than his/her full wage or salary. (Education Code 44984, 45192)

(cf. 4161.1/4361.1 - Personal Illness/Injury Leave)
(cf. 4261.1 - Personal Illness/Injury Leave)

If a certificated employee is unable to resume the duties of his/her position after exhausting all accumulated sick leave, including the consecutive five-month period provided by Education Code 44977, he/she shall, if not placed in another position, be placed on a reemployment list for a period of 24 months if he/she is a probationary employee or 39 months if he/she is a permanent employee. If the employee becomes medically able to resume duties during the period of reemployment eligibility, he/she shall be returned to employment in a position for which he/she is credentialed and qualified. (Education Code 44978.1)

If a classified employee has exhausted all available leaves of absence, paid or unpaid, and is not medically able to resume the duties of his/her position, he/she shall, if not placed in another position, be placed on a reemployment list for a period of 39 months. If he/she becomes medically able to resume duties during the period of reemployment eligibility, he/she shall be employed in a vacant position in the class of his/her previous assignment over all other candidates except those on a reemployment list established because of lack of work or lack of funds, in which case the employee shall be listed in accordance with seniority regulations. If the employee is medically released to return to duty but fails to accept an appropriate assignment, he/she shall be dismissed. (Education Code 45192)

(cf. 4217.3 - Layoff/Rehire)
(cf. 4218 - Dismissal/Suspension/Disciplinary Action)

AR 4161.11(c)
4261.11
4361.11

INDUSTRIAL ACCIDENT/ILLNESS LEAVE (continued)

Legal Reference:

EDUCATION CODE

44043 Temporary disability

44044 Temporary disability checks; waiver of endorsement to district

44977 Salary deductions during absence from duties

44978 Provisions for certificated employee sick leave

44978.1 Inability of certificated employee to return to duty; placement in another position or on reemployment list

44983 Exception to sick leave

44984 Industrial accident and illness leave, certificated employees

45191 Personal illness and injury leave, classified employees

45192 Industrial accident and illness leave, classified employees

LABOR CODE

3200-6002 Workers' compensation

Management Resources:

WEB SITES

Department of Industrial Relations: <http://www.dir.ca.gov>

Policy
adopted: August 24, 2016

OXNARD SCHOOL DISTRICT
Oxnard, California

BOARD AGENDA ITEM

Name of Contributor(s): **Dr. Jesus Vaca**

Date of Meeting: **August 3, 2016**

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda _____
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading X 2nd Reading _____

PERSONAL ILLNESS/INJURY LEAVE – AR 4261.1: New (Vaca)

DESCRIPTION OF AGENDA ITEM:

The regulation has been added to reflect new laws, as recommended by the California School Boards Association.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees review the attached regulation for first reading and eventual approval at the August 24, 2016 board meeting.

ADDITIONAL MATERIAL(S):

AR 4261.1 Personal Illness/Injury Leave (six pages)

PERSONAL ILLNESS/INJURY LEAVE

Classified employees employed five days a week are entitled to 12 days leave of absence with full pay per fiscal year for personal illness or injury (sick leave). Employees who work less than a full fiscal year or fewer than five days a week (part-time employees) shall be granted sick leave in proportion to the time they work. However, any part-time employee whose work hours are so few as to entitle him/her to less than 24 hours of paid sick leave per fiscal year shall be granted sick leave pursuant to Labor Code 246, if he/she is eligible. (Education Code 45191; Labor Code 245-249)

(cf. 4161/4261/4361 - Leaves)

Use of Sick Leave

A classified employee may use sick leave for absences due to:

1. *Accident or illness, whether or not the absence arises out of or in the course of employment, or by quarantine which results from contact with other persons having a contagious disease during the employee's performance of his/her duties (Education Code 45199)*

2. *Pregnancy, childbirth, and recovery (Education Code 45193)*

(cf. 4161.8/4261.8/4361.8 - Family Care and Medical Leave)

3. *Personal necessity as specified in Education Code 45207*

(cf. 4161.2/4261.2/4361.2 - Personal Leaves)

4. *Medical or dental appointments, in increments of not less than one hour*

5. *Industrial accident or illness when leave granted specifically for that purpose has been exhausted (Education Code 45192)*

(cf. 4261.11 - Industrial Accident/Illness Leave)

6. *Illness of the employee's child, parent, spouse, domestic partner, or domestic partner's child for up to the amount of leave that would be accrued during six months for personal illness or injury (Labor Code 233)*

7. *Need of the employee or his/her family member, as defined in Labor Code 245.5, for diagnosis, care, or treatment of an existing health condition or for preventive care (Labor Code 246.5)*

PERSONAL ILLNESS/INJURY LEAVE (continued)

8. *Need of the employee to obtain or seek any relief or medical attention specified in Labor Code 230(c) and 230.1(a) for the health, safety, or welfare of the employee, or his/her child, when the employee has been a victim of domestic violence, sexual assault, or stalking (Labor Code 246.5)*

An employee may take leave for personal illness or injury at any time during the year, even if credit for such leave has not yet been accrued. However, a new full-time classified employee shall not be entitled to more than six days of sick leave until he/she has completed six months of active service with the district. (Education Code 45191)

Unused days of sick leave shall be accumulated from year to year without limitation. (Education Code 45191)

An employee shall reimburse the district for any unearned sick leave used as of the date of his/her termination.

The district shall not require newly employed classified employees to waive leave accumulated in a previous district. However, if the employee's previous employment was terminated for cause, the transfer of the accumulated leave shall be made only if approved by the Governing Board. (Education Code 45202)

The Superintendent or designee shall notify any classified employee whose employment with the district is terminated after at least one calendar year for reasons other than for cause that, if he/she accepts employment in another district, county office of education, or community college district within one year of the termination of employment, he/she shall be entitled to request that the district transfer his/her accumulated sick leave to his/her new employer. (Education Code 45202)

Notification of Absence

An employee shall notify the Superintendent or the designated manager or supervisor of his/her need to be absent as soon as such need is known so that the services of a substitute may be secured as necessary. This notification shall include an estimate of the expected duration of absence. If the absence becomes longer than estimated, the employee shall so notify the district. If the duration of absence becomes shorter than estimated, the employee shall notify the district not later than three o'clock in the afternoon of the day preceding the day on which he/she intends to return to work. If the employee fails to notify the district and the failure results in a substitute being secured, the cost of the substitute shall be deducted from the employee's pay.

PERSONAL ILLNESS/INJURY LEAVE (continued)

Continued Absence After Available Sick Leave Is Exhausted/Differential Pay

OPTION 1:

A classified employee who has exhausted all paid leaves, including sick leave, shall for the remainder of the five-month period of absence to which he/she is entitled, receive his/her salary minus the actual amount paid a substitute to fill the employee's position during his/her absence. (Education Code 45196)

The five-month period shall commence on the first day of the leave of absence and shall run concurrently with any other paid leave.

OPTION 2:

Each year, each regular classified employee shall be credited with no fewer than 100 working days of paid leave for personal illness or injury, including current year and accumulated days of leave. When the current year and accumulated days at full pay are exhausted, the remainder of the 100 days shall be compensated at 50 percent of the employee's regular salary. Any of the 100 days of leave not used during the year in which they are credited shall be forfeited and shall not accumulate from year to year. This paid leave shall be exclusive of any other paid leave, holidays, vacation, or compensatory time to which the employee may be entitled. (Education Code 45196)

Extension of Leave

A permanent employee who is absent because of a personal illness or injury and who has exhausted all available sick leave, vacation, compensatory overtime, and any other paid leave shall be so notified, in writing, and offered an opportunity to request additional leave. The Board may grant the employee additional leave, paid or unpaid, for a period not to exceed six months and may renew this leave for two additional six-month periods or for lesser periods. The total additional leave granted shall not exceed 18 months. (Education Code 45195)

(cf. 4216 - Probationary/Permanent Status)

If the employee is still unable to resume his/her duties after all available paid and unpaid leaves have been exhausted, the employee shall be placed on a reemployment list for a period of 39 months. If during this time the employee becomes able to resume the duties of his/her position, he/she shall be offered reemployment in the first vacancy in the classification of his/her previous assignment. During the 39 months, the employee's reemployment shall take preference over all other applicants except those laid off for lack of work or lack of funds, in which case the employee shall be ranked according to his/her seniority. (Education Code 45195)

PERSONAL ILLNESS/INJURY LEAVE (continued)

Verification Requirements

After any absence due to illness or injury, the employee shall submit a completed and signed district absence form to his/her immediate supervisor.

The Superintendent or designee may, at any time, require additional written verification by the employee's physician or medical practitioner. Such verification shall be required whenever an employee's absence record shows chronic absenteeism or a pattern of absences immediately before or after weekends and/or holidays or whenever available evidence clearly indicates that an absence is not related to illness or injury.

In addition, the Superintendent or designee may require an employee to visit a physician selected by the district, at district expense, in order to receive a report on the medical condition of the employee. The report shall include a statement as to the employee's need for additional leave of absence and a prognosis as to when the employee will be able to return to work. If the report concludes that the employee's condition does not warrant continued absence, the Superintendent or designee may, after giving notice to the employee, deny the request for additional leave.

Any district request for additional verification by an employee's physician or a district-selected physician shall be in writing and shall specify that the report to be submitted to the district should not contain the employee's genetic information.

Any genetic information received by the district on behalf of an employee shall be treated as a confidential medical record, maintained in a file separate from the employee's personnel file, and shall not be disclosed except in accordance with 29 CFR 1635.9.

Before returning to work, an employee who has been absent for surgery, hospitalization, or extended medical treatment may be asked to submit a letter from his/her physician stating that he/she is able to return to work and stipulating any recommended restrictions or limitations.

(cf. 4032 - Reasonable Accommodation)

(cf. 4113.4/4213.4/4313.4 - Temporary Modified/Light-Duty Assignment)

Short-Term and Substitute Employees

OPTION 1: *Except for a retired annuitant who is not reinstated to the retirement system, any short-term or substitute employee who works for 30 or more days within a year of his/her employment shall be entitled to one hour of paid sick leave for every 30 hours worked. Accrued paid sick days shall carry over to the following year of employment, up to a maximum of 48 hours. (Labor Code 246)*

PERSONAL ILLNESS/INJURY LEAVE (continued)

OPTION 2: *Except for a retired annuitant who is not reinstated to the retirement system, any short-term or substitute employee who works for 30 or more days within a year of his/her employment shall accrue, on a regular basis, paid sick leave of up to 24 hours by the 120th calendar day of his/her employment or each calendar year or 12-month period. Accrued paid sick days shall carry over to the following year of employment, up to a maximum of 48 hours. (Labor Code 246)*

OPTION 3: *Except for a retired annuitant who is not reinstated to the retirement system, any short-term or substitute employee who works for 30 or more days within a year of his/her employment shall be credited with 24 hours of paid sick leave for that year. Unused sick leave shall not carry over to the following year of employment. (Labor Code 246)*

Any short-term or substitute employee may begin to use accrued paid sick days on the 90th day of his/her employment, after which he/she may use the sick days as they are accrued. (Labor Code 246)

A short-term or substitute employee may use accrued sick leave for absences due to: (Labor Code 246.5)

1. *His/her own need or the need of a family member, as defined in Labor Code 245.5, for the diagnosis, care, or treatment of an existing health condition or for preventive care*
2. *Need of the employee to obtain or seek any relief or medical attention specified in Labor Code 230(c) and 230.1(a) for the health, safety, or welfare of the employee, or his/her child, when the employee has been a victim of domestic violence, sexual assault, or stalking*

Healthy Workplaces, Healthy Families Act Requirements

No employee, including a short-term or substitute employee, shall be denied the right to use accrued sick days and the district shall not in any manner discriminate or retaliate against an employee for using or attempting to use sick leave, filing a complaint with the Labor Commissioner, or alleging district violation of Labor Code 245-249.

To ensure the district's compliance with Labor Code 245-249, the Superintendent or designee shall:

1. *At a conspicuous location in each workplace, display a poster on paid sick leave that includes the following information:*
 - a. *That an employee is entitled to accrue, request, and use paid sick days*

PERSONAL ILLNESS/INJURY LEAVE (continued)

- b. *The amount of sick days provided by Labor Code 245-249*
 - c. *The terms of use of paid sick days*
 - d. *That discrimination or retaliation against an employee for requesting or using sick leave is prohibited by law and an employee has the right to file a complaint with the Labor Commissioner if the district discriminates or retaliates against him/her*
2. *Provide at least 24 hours or three days of paid sick leave to each eligible employee to use per year and allow eligible employees to use accrued sick leave upon reasonable request*
 3. *Provide eligible employees written notice, on their pay stub or other document issued with their pay check, of the amount of paid sick leave they have available*

(cf. 4112.9/4212.9/4312.9 - Employee Notifications)

4. *Keep a record documenting the hours worked and paid sick days accrued and used by each eligible employee for three years*

Legal Reference:

EDUCATION CODE

45103 Substitute employees

45190 Leaves of absence and vacations

45191 Leaves of absence for illness and injury

45193 Leave of absence for pregnancy (re use of sick leave under certain circumstances)

45195 Additional leave for nonindustrial accident or illness; reemployment preference

45196 Salary; deductions during sick leave

45202 Transfer of accumulated sick leave and other benefits

LABOR CODE

230 Jury duty; legal actions by domestic violence, sexual assault and stalking victims, right to time off

230.1 Employers with 25 or more employees; domestic violence, sexual assault and stalking victims, right to time off

233 Illness of child, parent, spouse or domestic partner

245-249 Healthy Workplaces, Healthy Families Act of 2014

COURT DECISIONS

California School Employees Association v. Colton Joint Unified School District, (2009) 170 Cal.App.4th 957

California School Employees Association v. Tustin Unified School District, (2007) 148 Cal.App.4th 510

ATTORNEY GENERAL OPINIONS

53 Ops.Cal.Atty.Gen. 111 (1970)

Regulation
approved: August 24, 2016

OXNARD SCHOOL DISTRICT
Oxnard, California

BOARD AGENDA ITEM

Name of Contributor(s): **Dr. Jesus Vaca**

Date of Meeting: **August 3, 2016**

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda _____
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading X 2nd Reading _____

HEALTH CARE AND EMERGENCIES – BP and AR 5141: Revision (Vaca)

DESCRIPTION OF AGENDA ITEM:

The policy and regulation have been updated to reflect new laws, as recommended by the California School Boards Association.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees review the attached policy and regulation for first reading and eventual approval at the August 24, 2016 board meeting.

ADDITIONAL MATERIAL(S):

- BP 5141 Health Care and Emergencies (three pages)
- AR 5141 Health Care and Emergencies (three pages)

HEALTH CARE AND EMERGENCIES

The Board of Trustees recognizes the importance of taking appropriate action whenever an emergency threatens the safety, health, or welfare of a student at school or during school-sponsored activities.

(cf. 0450 - Comprehensive Safety Plan)
(cf. 3516 - Emergencies and Disaster Preparedness Plan)
(cf. 5141.21 - Administering Medication and Monitoring Health Conditions)
(cf. 5141.22 - Infectious Diseases)
(cf. 5142 - Safety)

The Superintendent or designee shall develop procedures to ensure that first aid and/or medical attention is provided as quickly as possible when student accidents and injuries occur and that parents/guardians are notified as appropriate.

(cf. 3530 - Risk Management/Insurance)
(cf. 5143 - Insurance)
(cf. 6145.2 - Athletic Competition)

The Superintendent or designee shall ask parents/guardians to provide emergency contact information in order to facilitate communication in the event of an accident or illness.

District staff shall appropriately report and document student accidents.

Resuscitation—***“Do Not Resuscitation” Orders***

~~The Board believes that staff members should not be placed in the position of determining whether or not to follow any parental or medical "do not resuscitate" orders. Staff shall not accept or follow any such orders unless they have been informed by the Superintendent or designee that the request to accept such an order has been submitted to the Superintendent or designee, signed by the parent/guardian, and supported by a written statement from the student's physician and an order from an appropriate court.~~

~~The Superintendent or designee shall ensure that all parents/guardians are informed of this policy.~~

The Board believes that staff members should not be placed in the position of determining whether or not to follow any parental or medical "do not resuscitate" orders. Staff shall not accept or follow any such orders except under the specific written direction of the Superintendent or designee. The Superintendent or designee may only direct a staff member to follow a "do not resuscitate" order if he/she has received a written parent/guardian authorization, with an authorized health care provider statement, and an order of an appropriate court.

The Superintendent or designee shall ensure that parents/guardians who have submitted a "do not resuscitate" order are informed of this policy.

HEALTH CARE AND EMERGENCIES (continued)

Automated External Defibrillators

The Board authorizes the Superintendent or designee to place automated external defibrillators (AEDs) at designated school sites for use by school employees in an emergency.

Legal Reference: (see next page)

The Superintendent or designee shall develop guidelines for employees regarding these devices and shall ensure that employees receive information that describes sudden cardiac arrest, the school's emergency response plan, and the proper use of an AED. The guidelines shall also specify the placement, security, and maintenance of the AED.

The authorization of AEDs in district schools shall not be deemed to create a guarantee that an AED will be present or will be used in the case of an emergency, or that a trained employee will be present and/or able to use an AED in an emergency, or that the AED will operate properly.

Legal Reference:

EDUCATION CODE

~~32040-32044 First aid equipment~~

~~49300-49307 School safety patrols~~

~~49407 Liability for treatment~~

~~49408 Emergency information~~

~~49409 Athletic events; physicians and surgeons; emergency medical care; immunity~~

~~49470 Medical and hospital services for athletic program~~

~~49471 Medical and hospital services not provided or available~~

~~49472 Medical and hospital services for pupils~~

~~49474 Ambulance services~~

~~51202 Instruction in personal and public health and safety~~

CIVIL CODE

~~1714.21 Defibrillators; CPR; immunity from civil liability~~

FAMILY CODE

~~6550-6552 Caregivers~~

HEALTH AND SAFETY CODE

~~1797.196 Automatic external defibrillators, immunity from civil liability~~

CODE OF REGULATIONS, TITLE 8

~~5193 California Bloodborne Pathogens Standard~~

Management Resources:

WEB SITES

~~American Heart Association: <http://www.americanheart.org>~~

~~American Red Cross: <http://www.redcross.org>~~

~~California Department of Health Care Services: <http://www.dhcs.ca.gov>~~

Legal Reference: Continued on next page.

HEALTH CARE AND EMERGENCIES (continued)

Legal Reference (continued):

EDUCATION CODE

32040-32044 First aid equipment

49300-49307 School safety patrols

49407 Liability for treatment

49408 Emergency information

49409 Athletic events; physicians and surgeons; emergency medical care; immunity

49417 Automated external defibrillators

49470 Medical and hospital services for athletic program

49471 Medical and hospital services not provided or available

49472 Medical and hospital services for pupils

49474 Ambulance services

51202 Instruction in personal and public health and safety

CIVIL CODE

1714.21 Defibrillators; CPR; immunity from civil liability

FAMILY CODE

6550-6552 Caregivers

HEALTH AND SAFETY CODE

1797.196 Automated external defibrillators, immunity from civil liability

1797.200 Emergency medical services agency

1799.102 Personal liability immunity

CODE OF REGULATIONS, TITLE 8

5193 California Bloodborne Pathogens Standard

CODE OF REGULATIONS, TITLE 22

100031-100042 Automated external defibrillators

Management Resources:

WEB SITES

American Heart Association: <http://www.americanheart.org>

American Red Cross: <http://www.redcross.org>

California Department of Health Care Services: <http://www.dhcs.ca.gov>

HEALTH CARE AND EMERGENCIES**Emergency Contact Information**

In order to facilitate contact in case of an emergency or accident, parents/guardians shall furnish the principal or designee with the information specified below:

1. Home address and telephone number
2. Parent/guardian's business address and telephone number
3. Parent/guardian's cell phone number and email address, if applicable
4. Name, address, and telephone number of a relative or friend to whom the student may be released and who is authorized by the parent/guardian to care for the student in cases of emergency or when the parent/guardian cannot be reached.
5. Local physician to call in case of emergency

(cf. 5021 - Noncustodial Parents)

(cf. 5141.21 - Administering Medication and Monitoring Health Conditions)

(cf. 5142 - Safety)

Consent by Caregiver

~~Any person 18 years of age and older who files with the district a completed caregiver's authorization affidavit for a minor district student shall have the right to consent to or refuse school-related medical care on behalf of the student. The caregiver's authorization shall be invalid if the district receives notice from the caregiver that the minor student is no longer living with the caregiver. (Family Code 6550)~~

(cf. 5111.1 - District Residency)

~~The caregiver's consent to medical care shall be superseded by any contravening decision of the parent or other person having legal custody of the student, provided that this contravening decision does not jeopardize the student's life, health, or safety. (Family Code 6550)~~

Notification/Consent for Medical Treatment

Whenever a student requires emergency or urgent medical treatment while at school or a school-sponsored activity, the principal or designee shall contact the parent/guardian or other person identified on the emergency contact form in order to obtain consent for the medical treatment.

If the student's parent/guardian or other contact person cannot be reached to provide consent, the principal may seek reasonable medical treatment for the student as needed, unless the

HEALTH CARE AND EMERGENCIES (Continued)

parent/guardian has previously filed with the district a written objection to any medical treatment other than first aid.

(cf. 5141.21 - Administering Medication and Monitoring Health Conditions)

A person who has filed with the district a completed caregiver's authorization affidavit pursuant to Family Code 6550-6552 shall have the right to consent to or refuse school-related medical care on behalf of the minor student. The caregiver's authorization shall be invalid if the district receives notice that the minor student is no longer living with the caregiver or if the Superintendent or designee has actual knowledge of facts contrary to those stated on the affidavit. (Family Code 6550)

(cf. 5111.1 - District Residency)

The caregiver's consent to medical care shall be superseded by any contravening decision of the parent or other person having legal custody of the student, provided that this contravening decision does not jeopardize the student's life, health, or safety. (Family Code 6550)

Automated External Defibrillators

When an automated external defibrillator (AED) is placed in a district school, the Superintendent or designee shall notify an agent of the local emergency medical services agency of the existence, location, and type of AED acquired. (Health and Safety Code 1797.196, 1797.200)

The Superintendent or designee shall ensure that any AED placed at a district school is maintained and tested according to the operation and maintenance guidelines set forth by the manufacturer. (Health and Safety Code 1797.196)

The Superintendent or designee shall develop a written plan which describes the procedures to be followed in the event of a medical emergency, including an emergency that may involve the use of an AED. These procedures should include, but not be limited to, requirements for immediate notification of the 911 emergency telephone number in the event of an emergency that may involve the use of an AED.

(cf. 0450 - Comprehensive Safety Plan)

HEALTH CARE AND EMERGENCIES (Continued)

The principal of any district school with an AED shall annually provide information to school employees that describes: (Health and Safety Code 1797.196)

1. *Sudden cardiac arrest*
2. *The school's emergency response plan*
3. *The proper use of an AED*

Instructions on how to use the AED, in no less than 14-point type, shall be posted next to every AED. In addition, school employees shall be notified annually of the location of all AED units on campus. (Health and Safety Code 1797.196)

(cf. 4112.9/4212.9/4312.9 - Employee Notifications)

Each AED shall be checked for readiness at least biannually and after each use. In addition, the Superintendent or designee shall ensure that an inspection is made of all AEDs at least every 90 days for potential issues related to operability of the device, including a blinking light or other obvious defect that may suggest tampering or that another problem has arisen with the functionality of the AED. The Superintendent or designee shall maintain records of these checks. (Health and Safety Code 1797.196)

(cf. 3580 - District Records)

Regulation
approved: November 2, 2011
Revised: August 24, 2016

OXNARD SCHOOL DISTRICT
Oxnard, California

BOARD AGENDA ITEM

Name of Contributor(s): **Dr. Jesus Vaca**

Date of Meeting: **August 3, 2016**

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda _____
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading X 2nd Reading _____

ATHLETIC COMPETITION– AR 6145.2: Revision (Vaca)

DESCRIPTION OF AGENDA ITEM:

The regulation has been updated to reflect new laws, as recommended by the California School Boards Association.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees review the attached regulation for first reading and eventual approval at the August 24, 2016 board meeting.

ADDITIONAL MATERIAL(S):

AR 6145.2 Athletic Competition (five pages)

ATHLETIC COMPETITION

Nondiscrimination and Equivalent Opportunities in the Athletic Program

No student shall be excluded from participation in, be denied the benefits of, be denied equivalent opportunity in, or otherwise be discriminated against in interscholastic, intramural, or club athletics on the basis of actual or perceived sex, sexual orientation, gender, gender identity, gender expression, ethnic group identification, race, ancestry, national origin, religion, color, mental or physical disability, or any other basis specified in law. (Education Code 220, 221.5, 230; 5 CCR 4920; 34 CFR 106.41)

*(cf. 0410 - Nondiscrimination in District Programs and Activities)
(cf. 5145.3 - Nondiscrimination/Harassment)*

~~No person shall on the basis of sex, sexual orientation, gender, ethnic group identification, race, ancestry, national origin, religion, color, or mental or physical disability be excluded from participation in, be denied the benefits of, be denied equivalent opportunity in, or otherwise be discriminated against in interscholastic, intramural, or club athletics. (5 CCR 4920)~~

~~*(cf. 0410 - Nondiscrimination in District Programs and Activities)*~~

The Superintendent or designee may provide single-sex teams where selection for the teams is based on competitive skills. (34 CFR 106.41; 5 CCR 4921)

Each student shall be allowed to participate in any single-sex athletic program or activity consistent with his/her gender identity and for which he/she is otherwise eligible to participate, irrespective of the gender listed on the student's records. (Education Code 221.5)

(cf. 5125 - Student Records)

When a school provides only one team in a particular sport for members of one sex, but provides no team in the same sport for members of the other sex, and athletic opportunities in the total program for that sex have been previously limited, members of the excluded sex shall be allowed to try out and compete with the team. The same standards for eligibility shall be applied to every student trying out for a team, regardless of sex, sexual orientation, *gender, gender identity, gender expression*, or other protected group status. (5 CCR 4921)

When determining whether equivalent opportunities are available to both sexes in athletic programs, the Superintendent or designee shall consider, among other factors: (5 CCR 4922; 34 CFR 106.41)

1. Whether the selection of sports and levels of competition offered effectively accommodate the interests and abilities of both sexes

ATHLETIC COMPETITION (continued)

To help ensure that the district's athletic program effectively accommodates the interests and abilities of both sexes in athletics, the district shall use the following criteria: (Education Code 230)

- a. Whether the interscholastic-level participation opportunities for male and female students are provided in numbers substantially proportionate to their respective enrollments
 - b. When the members of one sex have been and are underrepresented among interscholastic athletes, whether the district can show a history and a continuing practice of program expansion that is demonstrably responsive to the developing interests and abilities of the members of that sex
 - c. When the members of one sex are underrepresented among interscholastic athletes and the district cannot show a history and a continuing practice of program expansion as required in item #b above, whether the district can demonstrate that the interests and abilities of the members of that sex have been fully and effectively accommodated by the present program
2. The provision and maintenance of equipment and supplies
 3. Scheduling of games and practice times, selection of the season for a sport, and location of the games and practices
 4. *Travel and per diem allowances*
 45. Opportunities to receive coaching and academic tutoring
 6. *Assignment and compensation of coaches and tutors*
 7. *Provision of locker rooms, practice facilities, and competitive facilities*
 8. *Provision of medical and training facilities and services*
 9. *Provision of housing and dining facilities and services*
 10. *Publicity*
 11. *Provision of necessary funds*

Beginning with the 2015-16 school year and every year thereafter, each school that offers competitive athletics shall post the following information on its school web site or on the district web site if the school does not have a web site, at the end of the school year: (Education Code 221.9)

ATHLETIC COMPETITION (continued)

1. *The total enrollment of the school, classified by gender*
2. *The number of students enrolled at the school who participate in competitive athletics, classified by gender*
3. *The number of boys' and girls' teams, classified by sport and by competition level*

(cf. 1113 - District and School Web Sites)

The data reported for items #1-3 above shall reflect the total number of players on a team roster on the official first day of competition. The materials used to compile this information shall be retained by the school for at least three years after the information is posted on the web site. (Education Code 221.9)

(cf. 3580 - District Records)

Health and Safety

The Superintendent or designee shall annually distribute to student athletes and their parents/guardians an information sheet on concussions and head injuries. The student and parent/guardian shall sign and return the information sheet before the student's initiating practice or competition. (Education Code 49475)

If a student athlete is suspected of sustaining a concussion or head injury in an athletic activity, he/she shall be immediately removed from the activity for the remainder of the day. The student shall not be permitted to return to the activity until he/she is evaluated by a licensed health care provider trained in the management of concussions and receives the health care provider's written clearance to return to the activity. If the health care provider determines that the athlete sustained a concussion or a head injury, the athlete shall also complete a graduated return-to-play protocol of no less than seven days in duration under the supervision of a licensed health care provider. (Education Code 49475)

(cf. 5145.6 - Parental Notifications)

The Superintendent or designee shall notify the student's parent/guardian of the date, time, and extent of any injury suffered by the student and any actions taken to treat the student.

The Superintendent or designee shall provide training to coaches and/or athletic trainers regarding concussion symptoms, prevention, and appropriate response.

(cf. 4127/4227/4327 - Temporary Athletic Team Coaches)

A middle school or high school football team shall not hold a full-contact practice during the off-season and shall not conduct more than two full-contact practices per week during the preseason and regular season (from 30 days before the commencement of the regular season

ATHLETIC COMPETITION (continued)

until the completion of the final interscholastic football game of that season). In addition, the full-contact portion of a practice shall not exceed 90 minutes in any single day. For these purposes, full-contact practice means a practice where drills or live action is conducted that involves collisions at game speed, where players execute tackles and other activity that is typical of an actual tackle football game. (Education Code 35179.5)

Parental Notifications

Before a student participates in interscholastic athletic activities, the Superintendent or designee shall send a notice to the student's parents/guardians which:

1. *Contains information about the procedures for filing a discrimination complaint that arises out of an interscholastic athletic activity, including the name of the district's Title IX Coordinator*

(cf. 1312.3 - Uniform Complaint Procedures)

2. *Includes a copy of students' Title IX rights pursuant to Education Code 221.8*

13. Explains that there is an element of risk associated with all athletic competitions and that the district cannot guarantee that students will not be injured, despite a commitment to provide for every participant's health and welfare

(cf. 3530 - Risk Management/Insurance)

24. Provides information about insurance protection pursuant to Education Code 32221.5

(cf. 5143 - Insurance)

35. Requests parental permission for the student to participate in the program and, if appropriate, be transported by the district to and from competitions

(cf. 3541.1 - Transportation for School-Related Trips)

46. States the Board of Trustees' expectation that students adhere strictly to all safety rules, regulations, and instructions, as well as rules and guidelines related to conduct and sportsmanship

(cf. 5144 - Discipline)

(cf. 5144.1 - Suspension and Expulsion/Due Process)

57. Includes a copy of the local California Interscholastic Federation (CIF) league rules

ATHLETIC COMPETITION (continued)

68. Includes information about the CIF bylaw and district policy requiring any student athlete and his/her parent/guardian to sign a statement that the student will not use steroids or dietary supplements banned by the U.S. Anti-Doping Agency

(cf. 5131.63 - Steroids)

Regulation
approved: November 16, 2011
Revised: August 24, 2016

OXNARD SCHOOL DISTRICT
Oxnard, California

BOARD AGENDA ITEM

Name of Contributor(s): **Dr. Jesus Vaca**

Date of Meeting: **August 3, 2016**

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda _____
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading X 2nd Reading _____

CLASS SIZE – BP 6151: New (Vaca)

DESCRIPTION OF AGENDA ITEM:

The policy has been added to reflect new laws, as recommended by the California School Boards Association.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent, Human Resources that the Board of Trustees review the attached policy for first reading and eventual approval at the August 24, 2016 board meeting.

ADDITIONAL MATERIAL(S):

BP 6151 Class Size (two pages)

CLASS SIZE

The Governing Board recognizes that smaller classes may contribute to student learning by allowing teachers to better identify and respond to individual student needs. In accordance with negotiated employee agreements and state law, the Board shall establish class size limits appropriate for each grade level or subject taught and conducive to the effective use of teaching staff.

(cf. 4141/4241 - Collective Bargaining Agreement)

The highest priority for maintaining small class sizes shall be in the primary grades in order to support young students as they acquire the basic skills that serve as the foundation for subsequent learning. Other priorities shall be established in accordance with the goals and strategies identified in the district's local control and accountability plan (LCAP).

(cf. 0200 - Goals for the School District)

(cf. 0460 - Local Control and Accountability Plan)

For grades K-3, the district shall annually make progress toward maintaining an average class of not more than 24 students, unless an alternative annual average class size for each school site is collectively bargained. (Education Code 42238.02; 5 CCR 15498-15498.3)

Transitional kindergarten classes established pursuant to Education Code 48000 shall be included in the calculation of average class enrollment for kindergarten.

(cf. 6170.1 - Transitional Kindergarten)

At the secondary level, district priorities for class size reduction shall focus on English language arts, mathematics, science, social studies, and other courses that are necessary for completion of graduation requirements and shall be aligned with student needs as identified in the district's LCAP.

For students who require special education and related services, the ratio of instructional adults to students in group services shall be dependent on the needs of the students. However, for children ages 3-5 years who are placed in group services, the teacher-child ratio shall be less than 1:24 and the adult-child ratio shall be less than 1:8. For children ages 3-5 years who are identified as severely disabled, the ratio of instructional adults to children shall not exceed 1:5. (Education Code 8264.8, 56441.5)

(cf. 4112.23 - Special Education Staff)

(cf. 6143 - Courses of Study)

(cf. 6146.1 - Graduation Requirements)

(cf. 6159 - Individualized Education Program)

CLASS SIZE (continued)

The Superintendent or designee shall provide the Board with an analysis of staffing and school facilities needs and other costs related to class size reduction proposals.

(cf. 3100 - Budget)

(cf. 6117 - Year-Round Schedules)

(cf. 7111 - Evaluating Existing Buildings)

The Superintendent or designee shall annually report to the Board regarding the impact of the class size reduction program on student achievement and other outcomes such as changes in school climate and student engagement.

(cf. 0500 - Accountability)

(cf. 6162.5 - Student Assessment)

Legal Reference:

EDUCATION CODE

17042 Rules for determining area of adequate school construction; exceptions

17042.7 Formula for calculation

33050 Nonwaivable provisions

35160 Authority of the board

42238.02 Local control funding formula, including adjustment for class size reduction

42280 Necessary small schools

46205 Computation for early-late programs

51225.3 Graduation requirements

52060-52077 Local control and accountability plan

GOVERNMENT CODE

3543.2 Scope of representation

Management Resources:

WEB SITES

CSBA: <http://www.csba.org>

California Department of Education: <http://www.cde.ca.gov>

BOARD AGENDA ITEM

Name of Contributor(s): Robin I. Freeman

Date of Meeting: 8/3/16

- Study Session _____
- Closed Session _____
- A. Preliminary _____
- B. Hearing _____
- C. Consent Agenda _____
- D. Action Items _____
- E. Reports/Discussion Items (no action) _____
- F. Board Policies 1st Reading _____ 2nd Reading X

TITLE: IMMUNIZATIONS: Revision to AR 5141.31 and BP 5141.31 (Freeman/Ridge)

Via SB 277, the California legislature changed immunization requirements for admission into school. Beginning January 1, 2016, parents are no longer allowed to use the “personal beliefs” exemption. All students in the state of California are required to be immunized unless a licensed physician provides a medical exemption. Board Policy 5141.31 and accompanying Administrative Regulation 5141.31 updates and revises Oxnard School District’s guidelines regarding immunization to reflect the requirements within SB 277.

FISCAL IMPACT:

None.

RECOMMENDATION:

It is the recommendation of the Assistant Superintendent Educational Services and the Director, Pupil Services that the Board of Trustees adopt the revised AR 5141.31 and BP 5141.31 as outlined above.

ADDITIONAL MATERIAL(S):

Attached: AR 5141.31 and BP 5141.31

IMMUNIZATIONS

Required Immunizations

The Superintendent or designee shall provide parents/guardians, upon school registration, a written notice summarizing the state's immunization requirements.

~~The Superintendent or designee shall not unconditionally admit any student to a district school or child care and development program unless that student has presented documentation of full immunization. (Health and Safety Code 120335)~~

~~(cf. 5141.22 - Infectious Diseases)
(cf. 5148 - Child Care and Development)~~

~~At the beginning of the school year, the Superintendent or designee shall notify parents/guardians of the rights of students and parents/guardians relating to immunizations under Education Code 49403. (Education Code 48980)~~

~~(cf. 5145.6 - Parental Notifications)~~

Except as provided herein, effective July 1, 2016, the Superintendent or designee shall not unconditionally admit any student to a district elementary or secondary school, preschool, or child care and development program for the first time nor admit or advance any student to grade 7 unless the student has been fully immunized. The student shall present documentation of full immunization, in accordance with the age/grade and dose required by the California Department of Public Health (CDPH), against the following diseases: (Health and Safety Code 120335; 17 CCR 6020)

1. *Measles, mumps, and rubella (MMR)*
2. *Diphtheria, tetanus, and pertussis (whooping cough) (DTP, DTaP, or Tdap)*
3. *Poliomyelitis (polio)*
4. *Hepatitis B*
5. *Varicella (chickenpox)*
6. *Haemophilus influenza type b (Hib meningitis)*
7. *Any other disease designated by the CDPH*

~~(cf. 5141.22 - Infectious Diseases)
(cf. 5148 - Child Care and Development)
(cf. 5148.3 - Preschool/Early Childhood Education)
(cf. 6170.1 - Transitional Kindergarten)~~

Immunizations for Grades K-8

Students entering the district in grades kindergarten through 8 shall have received the following immunizations: (Health and Safety Code 120335; 17 CCR 6020)

1. ~~Measles, mumps and rubella (MMR) vaccine~~
 - a. ~~Students entering at the kindergarten level shall have received two doses on or after the first birthday, except one dose may be a measles only vaccine.~~
 - b. ~~Mumps vaccine shall not be required for students age seven or older.~~
 - c. ~~Students entering or advancing to seventh grade shall be required to have a second dose of measles containing vaccine if they have not previously obtained a second dose.~~
2. ~~Diphtheria, tetanus and pertussis (whooping cough) vaccine (DTP or DTaP)~~
 - a. ~~Five doses shall be required for students ages four through six. However, four doses shall meet the requirement if at least one dose was given on or after the fourth birthday.~~
 - b. ~~Four doses shall be required for students age seven or older. However, three doses shall meet the requirement if at least one dose was given on or after the second birthday.~~
 - c. ~~One dose of Tdap (or DTaP or DTP) vaccine on or after the seventh birthday is required for all students entering 7th grade.~~

AR 5141.31(b)

IMMUNIZATIONS (continued)

3. ~~Poliomyelitis (polio) vaccine~~

~~Four doses shall be required at any age. However, three doses shall meet the requirement for ages four through six if at least one dose was given on or after the fourth birthday, and three doses shall meet the requirement for ages seven to seventeen if at least one dose was given on or after the second birthday.~~

~~4. Hepatitis B vaccine~~

~~a. Three doses shall be required for entry into kindergarten.~~

~~Students admitted at the kindergarten level or below before August 1, 1997, shall be exempt from this requirement.~~

~~b. Students shall not be unconditionally admitted or advanced to seventh grade unless they have been fully immunized against hepatitis B. A student who has previously had three doses of hepatitis B vaccine at any age before seventh grade shall not be required to receive any additional shots.~~

~~5. Varicella (chickenpox) vaccine~~

~~a. One dose is required.~~

~~b. Any student admitted at the kindergarten level or above before July 1, 2001, shall be exempt from this requirement for school entry.~~

~~Students who skipped kindergarten shall meet immunization requirements for hepatitis B and a second measles dose prior to entering first grade.~~

~~Students transferring into the district at a grade other than kindergarten or seventh grade shall be exempt from the requirement for a second measles dose or hepatitis B immunization.~~

Immunizations Below Kindergarten Level

~~Children younger than age four years, six months shall have received haemophilus influenza type b (Hib meningitis) vaccine. (Health and Safety Code 120335)~~

~~Other immunization requirements for children below kindergarten level depend on the child's age as specified in 17 CCR 6020.~~

AR 5141.31(e)

IMMUNIZATIONS (continued)

However, full immunization against hepatitis B shall not be a condition by which the Superintendent or designee shall admit or advance any student to grade 7 Health and Safety

Code 120335)

The Superintendent or designee shall not unconditionally admit or advance any student to grade 7 unless the student has been fully immunized against Pertussis, including all Pertussis boosters appropriate for the students' age. (Health and Safety Code 120335 (d))

A student who qualifies for an individualized education program (IEP), unless exempt pursuant to state law, shall be fully immunized in accordance with Health and Safety Code 120335 and this regulation. However, this shall not prohibit an under-immunized student from accessing any special education and related services required by his/her IEP. (Health and Safety Code 120335)

(cf. 6159 - Individualized Education Program)

The student's immunization record shall be provided by the student's parent/guardian. The personal immunization record documentation that shall be accepted is from a health care provider, California Immunization Registry (CAIR) another state's and countries' records, or from the student's previous school immunization record. The record must show at least the month and year for each dose, except that the day, month, and year must be shown for the MMR doses given during the month of the first birthday and for the Tdap dose given on or after the seventh birthday. (17 CCR 6070)

Exemptions

~~Exemption from immunization requirements is allowed when: (Health and Safety Code 120365, 120370, 120375; 17 CCR 6051)~~

- ~~1. The student's parent/guardian states in writing that immunization is contrary to his/her beliefs.~~

~~(cf. 6141.2 - Recognition of Religious Beliefs and Customs)~~

- ~~2. The student's parent/guardian provides a written statement by a licensed physician that the physical condition or medical circumstances of the student are such that immunization is unsafe or is permanently not indicated.~~

~~However, if there is good cause to believe that the student has been exposed to one of the communicable diseases listed above, the student may be temporarily excluded from school until the local health officer is satisfied that the student is no longer at risk of developing the disease. (Health and Safety Code 120365)~~

Exclusions Due to Lack of Immunizations

~~Any student without the required evidence of immunization may be excluded from school until the immunization is obtained or until the student presents a letter or affidavit of exemption from his/her parent/guardian or physician.~~

~~(cf. 5112.2 - Exclusions from Attendance)~~

~~(cf. 6183 - Home and Hospital Instruction)~~

~~Before a student is excluded from school attendance because of lack of immunization, the Superintendent or designee shall notify the parent/guardian that he/she has 10 school days in which to supply evidence of proper immunization or an appropriate letter of exemption. This notice shall refer the parent/guardian to the child's usual source of medical care. (Education Code 48216; 17 CCR 6040)~~

~~If no usual source of medical care exists, the parent/guardian shall be referred to the county health department. (Education Code 48216)~~

~~The Superintendent or designee shall exclude from further attendance any student who fails to obtain the required immunization within 10 school days following receipt of the parent/guardian notice specified above, unless the student is exempt from immunization for medical reasons or personal beliefs. The student shall remain excluded from school until he/she has received another dose of each required vaccine due at that time. The student shall also be reported to the attendance supervisor or principal. (17 CCR 6055)~~

AR 5141.31(d)

~~**IMMUNIZATIONS**~~ (continued)

A temporary or permanent exemption from one or more immunizations shall be granted under any of the following circumstances:

1. *The parent/guardian files with the district a written statement by a licensed physician (M.D./D.O.) to the effect that the physical condition of the child is such, or medical circumstances relating to the child are such, that immunization is not considered safe and the specific nature and probable duration of the physical condition or medical circumstances, including but not limited to family medical history. The physician may provide a written statement that the student is medically exempt from the measles (rubella) and/or varicella (chickenpox) requirements as a result of having had measles and/or varicella, or as a result of having had laboratory confirmed illness with the corresponding disease. A student with a temporary medical exemption shall be conditionally admitted; upon expiration of the temporary exemption, the student must receive all required immunizations. A student with a permanent medical exemption shall be unconditionally admitted. (Health and Safety Code 120370; 17 CCR 6051; CA Immunization Handbook (9th ed. 2016)*

2. *The student's parent/guardian filed with the district, before January 1, 2016, a letter or written affidavit stating that an immunization is contrary to his/her personal beliefs, in which case the student shall be exempted from the immunization until he/she enrolls in the next applicable grade span requiring immunization. The grade spans are: birth to preschool, grades K-6, grades 7-12. (Health and Safety Code 120335 (g))*

(cf. 6141.2 - Recognition of Religious Beliefs and Customs)

3. *Notwithstanding the requirement in 2, above personal belief exemptions will be allowed for any new immunizations deemed appropriate by the CDPH. (Health and Safety Code 120338)*

When a student transfers to a different school within the district or transfers into the district from another school district in California, his/her personal beliefs exemption filed before January 1, 2016, shall remain in effect until the next applicable grade span. A student transferring from a school outside the district shall present a copy of the personal beliefs exemption upon enrollment. In accordance with the CDPH, personal beliefs exemption issued by another state or country prior to January 1, 2016, are not valid in California. The Superintendent or designee may consult with legal counsel regarding the validity of any personal beliefs exemption and applicable immunization requirements. If the PBE documentation is no longer available, students must meet immunization requirements based on their age or grade.

4. *The student is in a home-based private school.*
5. *The student is enrolled in an independent study program pursuant to Education Code 51745-51749.6 and does not receive classroom-based instruction.*

(cf. 6158 - Independent Study)

Conditional Enrollment

The Superintendent or designee may conditionally admit a student with documentation from ~~a physician~~ *an authorized health care provider* that: (Health and Safety Code 120340; 17 CCR 6000, 6035, 6050)

1. ~~He/she has received some but not all required immunizations and is not due for any vaccine dose at the time of admission~~
2. ~~He/she has a temporary exemption from immunization for medical reasons~~

1. *The student has not received all the immunizations required for his/her age group, but has commenced receiving doses of all required vaccines in accordance with state regulations and is not due for any other doses at the time of admission.*
2. *The student has a temporary exemption from immunization for medical reasons, and the required immunizations are obtained at the termination of the exemption.*

The Superintendent or designee shall notify the student's parents/guardians of the date by which the student must complete all the remaining doses as specified in 17 CCR 6035.

(cf. 5145.6 - Parental Notifications)

3. *A transfer student may be conditionally admitted for up to 30 school days while his/her immunization records are being transferred from the previous school. If such documentation is not presented within 30 days, the student shall be excluded from school until the required immunizations have been received. (Health and Safety Code 120375 (a); 17 CCR 6070)*

~~The Superintendent or designee shall notify the student's parents/guardians of the date by which the student must complete all the remaining doses when they become due as specified in 17 CCR 6035.~~

The Superintendent or designee shall review the immunization record of each student admitted conditionally every 30 days until that student has received all the required immunizations. If the student does not receive the required immunizations within the specified time limits, he/she shall be excluded from further attendance until the immunizations are received. (Health and Safety Code 120375 (a); 17 CCR 6070)

The Superintendent or designee shall immediately enroll homeless students, foster youth, and students of military families even if their immunization records are missing or unavailable at the time of enrollment. School or district staff shall work with the student's parent/guardian and prior school to obtain the student's immunization records or shall ensure that he/she is properly immunized. (Education Code 48853.5, 49701; Health and Safety Code 120341; 42 USC 11432)

(cf. 6173 - Education for Homeless Children)
(cf. 6173.1 - Education for Foster Youth)
(cf. 6173.2 - Education of Children of Military Families)

Exclusions Due to Lack of Immunizations

Any student without the required evidence of immunization may be excluded from school until proof of immunization is obtained or an exemption is granted in accordance with the section "Exemptions" above. Students who qualify for IEP's shall not be prohibited from accessing any special education and related services required by the IEP.

(cf. 5112.2 - Exclusions from Attendance)
(cf. 6183 - Home and Hospital Instruction)

Before an already admitted student is excluded from school attendance because of lack of immunization, the Superintendent or designee shall notify the parent/guardian in writing that he/she has 10 school days to supply evidence of proper immunization or an appropriate exemption. This notice shall refer the parent/guardian to the student's usual source of medical care or, if the student has no usual source of medical care, then to the county health department (Education Code 48216; 17 CCR 6040)

(cf. 5141.6 - School Health Services)

The Superintendent or designee shall exclude from further attendance any already admitted student who fails to obtain the required immunization within 10 school days following the parent/guardian's receipt of the notice specified above. The student shall remain excluded from school until he/she provides written evidence that he/she has received a dose of each required vaccine due at that time. The student shall also be reported to the attendance supervisor or principal. (Health and Safety Code 120375 (b) 17 CCR 6055)

Exclusion Due to Exposure to Disease

Under the direction of the local health officer and if the district has good cause to believe that a student has been exposed to a disease listed in the section "Required Immunizations" above and his/her documentation of immunization does not show proof of complete immunization against that disease, that student may be temporarily excluded from the school until the local health officer informs the district in writing that he/she is satisfied that the student is no longer at risk of developing or transmitting the disease. (Health and Safety Code 120370; 17 CCR 6060)

Records

The Superintendent or designee shall record each new entrant's immunizations in the ~~mandatory permanent student record~~ *California School Immunization Record and retain it as part of the student's mandatory permanent student record.* District staff shall maintain the confidentiality of immunization records and may disclose such information to state and local health departments only in accordance with law. ~~(Health and Safety Code 120375, 120440; 17 CCR 6070)~~ *The District shall file a written report on the immunization status of new entrants with the CDPH and the local health department at times and on forms prescribed by the CDPH. The local health department shall have access to the complete health information as it relates to immunization of each student in order to determine immunization deficiencies. (Education Code 49076(a) (4); Health and Safety Code 120375, 120440; 17 CCR 6070)*

(cf. 5125 - Student Records)

The district shall also retain in the mandatory student record any physician or health officer statement, personal beliefs letter or affidavit, reason for conditional enrollment, or any other documentation related to the student's immunization record or exemptions.

The District shall cooperate with the county health officer in carrying out programs for the immunization of students. The District may use funds, property, and personnel of the District for that purpose. The District may permit any licensed physician or any qualified registered nurse to administer immunizing agents to any student seeking admission to any District school or institution. (Health and Safety Code 120375(d))

Audits

If an audit reveals deficiencies in the district's reporting procedures, a remedial plan will be provided to the Superintendent or designee

~~*(cf. 5125 - Student Records)*~~

Regulation
approved: November 2, 2011
revised: August 3, 2016

OXNARD SCHOOL DISTRICT
Oxnard, California

IMMUNIZATIONS

To protect the health of all students and staff and to curtail the spread of infectious diseases, ~~the Board of Trustees desires to~~ *Governing Board shall* cooperate with state and local *public* health agencies to encourage *and facilitate* immunization of all district students against preventable diseases.

(cf. 1400 - Relations between Other Governmental Agencies and the Schools)

(cf. 5141.22 - Infectious Diseases)

cf. 5141.26 - Tuberculosis Testing)

(cf. 6142.8 - Comprehensive Health Education)

~~Students entering a district school or child care and development program, or transferring between school campuses, shall present an immunization record which shows at least the month, day and year of each immunization in accordance with law. Students shall be excluded from school or exempted from immunization requirements only as allowed by law.~~

Effective July 1, 2016, each student (including a student who qualifies for special education and related services) shall present an immunization record from any authorized private or public health provider certifying that s/he has received all required immunizations in accordance to the law prior to enrolling for the first time in a district elementary or secondary school, preschool, or child care and development program, or prior to being admitted or advanced to grade 7. Students shall be excluded from school or exempted from immunization requirements only as authorized by law.

(cf. 5112.1 - Exemptions from Attendance)

(cf. 5112.2 - Exclusions from Attendance)

(cf. 5141.32 - Health Screening for School Entry)

(cf. 5148 - Child Care and Development)

(cf. 5148.3 - Preschool/Early Childhood Education)

~~A transfer student may be conditionally admitted for up to 30 school days while his/her immunization records are being transferred from the previous school. If these records do not arrive within 30 school days, the student shall present written documentation by a physician, nurse or clinic, showing that the required immunizations were received. If such documentation is not presented, the student shall be excluded from school until immunization requirements are met.~~

Each transfer student shall be requested to present his/her immunization record, if possible, upon registration at a district school or program. If the immunization record is not available, the district shall conditionally admit the student for up to 30 school days while waiting for the transfer of immunization records from his/her previous school.

(cf. 6173 - Education for Homeless Children)

(cf. 6173.1 - Education for Foster Youth)

(cf. 6173.2 - Education of Children of Military Families)

IMMUNIZATIONS (continued)

~~The Superintendent or designee may arrange for qualified medical personnel to administer immunizations at school to any student whose parent/guardian has consented in writing. (Education Code 49403)~~

Exemption

The Superintendent or designee will accept exemptions for immunizations for medical reasons when a licensed physician provides a written statement to the effect that the physical condition of the child is such, or medical circumstances relating to the child are such, that immunization is not considered safe, and containing additional information required by law. Personal belief exemptions or written affidavit stating that an immunization is contrary to personal beliefs, signed by the parent or guardian prior to January 1, 2016 will be valid until the student enrolls in the next applicable grade span requiring immunization (birth to preschool, grades K-6, grades 7-12).

Conditional Admission

The Superintendent or designee may conditionally admit, in accordance with the law governing conditional admission, a student who has not received all the required immunizations. In addition, the Superintendent or designee shall admit transfer students, homeless or foster youth, and students of military families in accordance with the law while his/her immunization records are being transferred or located from the previous school.

Exclusions

The Superintendent or designee may temporarily exclude any student without the required evidence of completed immunization(s) from school until the immunization(s) are obtained or an exemption is granted, or otherwise under the direction of a public health officer due to concerns of exposures to a communicable disease.

(cf. 5141.3 - Health Examinations)

(cf. 5141.6 - School Health Services)

(cf. 5145.6 - Parental Notifications)

Legal Reference: (see next page)

EDUCATION CODE

44871 Qualifications of supervisor of health

46010 Total days of attendance

48216 Immunization

48853.5 Immediate enrollment of foster youth

48980 Required notification of rights

49403 Cooperation in control of communicable disease and immunizations

49426 Duties of school nurses

49701 Flexibility in enrollment of children of military families
51745-51749.6 Independent study
HEALTH AND SAFETY CODE
120325-120380 Immunization against communicable disease, especially:
120335 Immunization requirement for admission
120395 Information about meningococcal disease, including recommendation for
vaccination
120440 Disclosure of immunization information
CODE OF REGULATIONS, TITLE 5
430 Student records
CODE OF REGULATIONS, TITLE 17
6000-6075 School attendance immunization requirements
UNITED STATES CODE, TITLE 20
1232g Family Educational Rights and Privacy Act
UNITED STATES CODE, TITLE 42
11432 Immediate enrollment of homeless children
CODE OF FEDERAL REGULATIONS, TITLE 34
99.1-99.67 Family Educational Rights and Privacy

Management Resources:

DEPARTMENT OF HEALTH SERVICES

Commonly Asked Questions About the New School Immunization Requirements, March 1999

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH

California Immunization Handbook for Child Care Programs and Schools, August 2015

Guide to Immunizations Required for Child Care

Guide to Immunizations Required for School Entry

Parents' Guide to Immunizations Required for Child Care

Parents' Guide to Immunizations Required for School Entry

EDUCATION AUDIT APPEALS PANEL PUBLICATIONS

Guide for Annual Audits of Local Education Agencies and State Compliance Reporting, July 2015

U.S. DEPARTMENT OF EDUCATION GUIDANCE

Family Educational Rights and Privacy Act (FERPA) and H1N1, October 2009

WEB SITES

~~CDE:~~ <http://www.cde.ca.gov>

California Department of Education: <http://www.cde.ca.gov>

California Department of Public Health, Immunization Branch: <http://www.cdph.ca.gov/programs/immunize>

California Department of Public Health, Shots for Schools: <http://shotsforschools.org>

Centers for Disease Control and Prevention: <http://www.cdc.gov>

Education Audit Appeals Panel: <http://www.eaap.ca.gov>

U.S. Department of Education: <http://www.ed.gov>

Policy

adopted: November 2, 2011

revised: August 3, 2016

OXNARD SCHOOL DISTRICT

Oxnard, California



OXNARD SCHOOL DISTRICT

1051 South “A” Street • Oxnard, California 93030 • 805/385-1501

SCHEDULE OF BOARD MEETINGS JANUARY – DECEMBER 2016

(UNLESS OTHERWISE INDICATED, ALL MEETINGS ARE HELD ON THE FIRST AND THIRD **WEDNESDAY** OF EACH MONTH IN THE BOARD ROOM AT THE DISTRICT OFFICE, 1051 SOUTH ‘A’ STREET, STARTING AT 7:00 PM)

| | | |
|-----------|----|---|
| January | 20 | Regular Board Meeting (Note: only ONE meeting in January) |
| February | 3 | Regular Board Meeting |
| | 17 | Regular Board Meeting |
| March | 2 | Regular Board Meeting |
| | 16 | Regular Board Meeting |
| April | 20 | Regular Board Meeting (Note: only ONE meeting in April) |
| May | 4 | Regular Board Meeting |
| | 18 | Regular Board Meeting |
| June | 1 | Regular Board Meeting |
| | 22 | Regular Board Meeting |
| July | | District Dark – No meeting in July |
| August | 3 | Regular Board Meeting |
| | 24 | Regular Board Meeting |
| September | 7 | Regular Board Meeting |
| | 21 | Regular Board Meeting |
| October | 5 | Regular Board Meeting |
| | 19 | Regular Board Meeting |
| November | 2 | Regular Board Meeting (Note: only ONE meeting in November) |
| December | 7 | Regular Board Meeting – Organizational Meeting of the Board (Note: only ONE meeting in December) |

The meeting schedule shown above is subject to change at any time.

NOTE: Changes are indicated in italics/bold.

Board Approved: 12-09-15

Mission: “Ensure a culturally diverse education for each student in a safe, healthy and supportive environment that prepares students for college and career opportunities.”