



CITIZENS' OVERSIGHT COMMITTEE MEETING

NOTICE AND AGENDA

JANUARY 25, 2023

6:30 PM – 8:30 PM


HYBRID

IN PERSON: 351 S. HUDSON AVENUE, ROOM 236, PASADENA, CA 91106

OR

 VIRTUALLY: [Join Webex meeting](#)
ID: 26241086420 - Password: xHT7mD5aJS7

OR

 BY PHONE: [\(US\) +1 415-655-0001 \(toll\)](#)
Access code: 2624 108 6420

OR

26241086420@pusd.webex.com

- I. Call to Order**
- II. Public Comment**
- III. Approval of the December 2022 Meeting Minutes**
- IV. LACTSA Homework for COC Members**
- V. Review of Measure TT and Measure O related Board Reports**
 - BR 1602-F - Approval to award contract to TBP Architects for the design and procurement of DSA approval relocation of three (3) additional classroom buildings from Allendale Elementary to Altadena Arts Magnet School.
 - BR 1603-F - Approval to award contract for Architectural Design Services for shade structure installation at Washington ES, Madison ES, McKinley ES, Hamilton ES, Norma Coombs ES and Field ES.
 - BR 1605-F - Approval to proceed with award of Turnkey Design Build contract to Southland for the Sierra Madre ES power service and Central Plant upgrade.
 - BR 1609-F - Approval to proceed with preparation of bids and procurement for the Loma Alta ES Roofing Program Phase II HVAC Replacements.

- BR 1610-F - Approval to proceed with preparation of bids and procurement for the Don Benito Administration Building Roofing Program Phase II HVAC Replacements.
- BR 1611-F - Approval to proceed with preparation of bids and procurement for the PUSD Classroom Security Door Lockset Replacement Project.
- BR 1612-F - Approval to proceed with preparation of bids and procurement for the Charter School Classroom Security Door Lockset Replacement Project.

VI. Board of Education COC Liaison Report

VII. Facilities Committee Meeting Update

VIII. Facilities Reports

- **Dr. Leslie Barnes, Chief Finance and Operations Officer**
 - Facilities Master Plan Updates
 - Approval and Acceptance Facilities Master Plan Presentation Research and Data Presentation
 - Elementary Schools Shade Structures Program for Playground Equipment Presentation
- **Consolidated Budget Status by Funds**
 - MTT Financial (Account-Ability) Report
 - Measure O Projects
 1. Capital Projects
 2. ITS Projects
 - Construction Status Reports
 1. Capital Projects
 2. ITS Projects

IX. DSA Closure Status: January 2023 COC Meeting

X. Next meeting date: February 22, 2023



**PASADENA UNIFIED SCHOOL DISTRICT (PUSD)
CITIZENS' OVERSIGHT COMMITTEE (COC) MEETING
DRAFT Meeting Minutes for December 14, 2022**

Meeting was held in hybrid format: in-person at Ed Center and online via WebEx

- I. Meeting was called to order at 6:32 pm
Present:
 - A. COC members: Stephen Aquino, John Robinson, Paul Nerenberg, Eliza Jane Whitman, Angela Uriu
 - B. PUSD staff: Leonard Hernandez, Anahit Azarian, Balvina Sheffield, Tendaji Jamal
 - C. PUSD Board liaison: Kim Kenne, Michelle Bailey
 - D. SafeworkCM: Michael Dobrotin
 - E. Public: Rene Gonzalez
 - F. There were also two unidentified call-in users and two unidentified members of the public in-person.
- II. Public Comment – There were no public comments.
- III. Approval of the November 2022 Meeting Minutes – The minutes were approved.
- IV. Review of Measure TT and Measure O related Board Reports – There were no Board Reports for this meeting.
- V. Board of Education COC Liaison Report
 - A. Organizational meeting of the Board on 12/12 resulted in the following membership for the Facilities Committee: Michelle Richardson Bailey, Kim Kenne, and Yarma Velasquez. Michelle Richardson Bailey will be the new Board liaison.
 - B. Agenda for 12/15 Board meeting
 1. Presentation of Facilities Master Plan, including Master Plan website (<https://www.pusdplan.org/>). Extensive information present on the website.
 2. There is a feasibility study on the Board agenda that involves Measure O funds.
 - C. The California School Board Association conference had a session on equity in master planning. The leader of the session is with DLR.
 - D. Reminder of need for additional COC members.
 - E. The Board currently doesn't have any policy on its interactions with the COC. For example, can the Board remove a COC member? This is something to consider for the future.

- F. Can COC meetings be moved to the third Tuesday of the month?
COC member Robinson will poll the committee about the change and report back next month.

VI. Facilities Committee Meeting Report – The committee meeting for this month was canceled.

VII. Facilities Reports

A. School-Specific Facilities Master Plan update

As mentioned last month, DLR will give the Board a live presentation on Dec. 15. Approval by the Board is expected in January.

B. Measure TT report

Question from Board Trustee Kenne: When I looked at the first interim budget, it has a number for expected expenditure for Measure TT and roughly 45% of the current remaining balance is not being indicated for expenditure. Is the plan to spend it all this year?

Staff and SafeworkCM response: There is a Board Report being drafted that would exhaust the Measure TT funds.

C. Measure O financial report

1. Ed tech list

General question from Board Trustee Kenne: Can a member of the public tell how many dollars of bonds have been issued by looking at these reports?

Response from COC member Robinson: This isn't really a matter for the COC to pursue, but rather for the Board.

Comment from Board Trustee Kenne: Suggestion for a more user-friendly name for the "Budget Delta" column that can be easily understood by the public.

2. Capital projects list

Question from COC member Robinson: Every month there are different invoices being paid. How can we tell the public what got paid just by looking at this column in the report?

SafeworkCM response: Need to look at "Invoice to Date" from month to month to see what has been spent.

D. Measure O project status report

1. Ed tech list

SafeworkCM comment: All of the new projects are in procurement stages. They will drop off as they are completed and invoiced.

2. Capital projects list

Comment from COC member Aquino: It would be useful to have a more user-friendly name for "NTP Date".

Question from Board Trustee Kenne: Will projects disappear from the list when they reach 100%?

SafeworkCM: There is a separate completed projects report. That said, there is a “close out” category that can be used to keep the projects on the list. Realistically they will stay on the list for at least one cycle.

Question from Board Trustee Kenne: Where is the Marshall band room project? This isn't on Measure O, so there is no way to see its status.

SafeworkCM: We can run the same report for TT and include that going forward.

Comment from COC: That would be an acceptable solution. It would also be acceptable to issue the old style report for TT projects.

Questions from Rene Gonzalez: Are the solar panels at school sites funded by Measure O?

Staff response: No, these are not part of Measure O. They were installed through a PPA, which doesn't involve any district expenditure.

Follow-up question: Why do we have a PPA instead of buying our own panels with Measure O?

Response from several individuals: The PPA was approved in April 2020 before Measure O was on the ballot. It only includes panels that have already been placed at school sites; the number of school sites with these panels is less than originally planned. (More information from the relevant Board meeting is available here:

https://pusd.granicus.com/GeneratedAgendaViewer.php?view_id=15&clip_id=724)

VIII. DSA Closure Status – Next update will be at February 22, 2023 meeting.

IX. Next meeting: January 25, 2023 (tentative)

Meeting adjourned: 7:39 pm

Los Angeles County School Trustees Association
Citizens' Bond Oversight committee to Build Public Trust by Anton Jungherr
September 19, 2022

California Association of Bond Oversight Committees
"Independent and Transparent CBOC Checklist"



To pass the test, all answers must be "yes."

- ☐ Can you Google (your district name) CBOC and find the CBOC website?
- ☐ Can the CBOC approve its bylaws?
- ☐ Is the Board prohibited from removing CBOC members?
- ☐ Is the June 30, 2021, financial audit on the CBOC website?
- ☐ Is the June 30, 2021, performance audit on the CBOC website?
- ☐ Is the CBOC annual report on the CBOC website?
- ☐ Are all of the CBOC agenda packets and minutes on the CBOC website?
- ☐ Does the CBOC have a minimum of seven (7) members?
- ☐ Does the CBOC have the five (5) legally required categories of members?

Anton Jungherr, CABOC Co-Founder/Executive Director
ajungherr@aol.com • Cell: 510-697-7212 • September 19, 2022

**BOARD OF EDUCATION
PASADENA UNIFIED SCHOOL DISTRICT
PASADENA, CALIFORNIA**

Topic: APPROVAL TO AWARD CONTRACT TO TBP ARCHITECTS FOR THE DESIGN AND PROCUREMENT OF DSA APPROVAL TO RELOCATE THREE (3) ADDITIONAL CLASSROOM BUILDINGS FROM ALLENDALE ELEMENTARY TO ALTADENA ARTS MAGNET SCHOOL

RECOMMENDATION: The Governing Board of the Pasadena Unified School District approves staff to award TBP Architects for the design and procurement of DSA approval to relocate three (3) additional relocatable classroom buildings from Allendale Elementary to Altadena Arts Magnet School.

Anticipated Effect on Student Outcomes: Maintaining the public trust and by providing high quality services and by using our resources prudently, efficiently, and equitably, the District provides all students and staff a quality learning environment knowing that all funds are allocated accordingly.

I. BACKGROUND:

On October 25, 2022, invitation to bid was sent to all district short listed architectural pool for the design and DSA approval of relocating three (3) additional relocatable classroom buildings from Allendale Elementary to Altadena Arts Magnet School. Facilities staff received five (5) proposals in total. The lowest responsible bidder was TBP Architects.

II. STAFF ANALYSIS:

The district staff recommends the approval to award TBP Architects to design and obtain DSA approval to move three (3) relocatable classroom buildings from Allendale Elementary to Altadena Arts Magnet School.

Attachment: Proposal

III. FISCAL IMPACT:

Funds required in the amount of \$16,000.00 are available in the Measure O Capital Projects Fund.

**Pasadena Unified School District
Board of Education Agenda**

January 26, 2023

Submitted by: _____

Leslie Barnes, Ed.D., Chief Finance and Operations Officer

Funding title/code:

Title: Measure O Capital Projects Fund

Code: 21.3-97110.0-00000-850000-6210-004200

Approved:

Brian O. McDonald, Ed.D.

Superintendent

Originated by: Leonard Hernandez, Jr., Director of Facilities, Maintenance, Operations and Transportation

Bid No. 23-03 | November 14, 2022

PASADENA UNIFIED SCHOOL DISTRICT

THREE RELOCATABLE CLASSROOM BUILDINGS
AT ALTADENA ARTS MAGNET

tBP/Architecture, Inc.

ADMINISTRATION

tBP

November 14, 2022

Pasadena Unified School District
Sam Maissian, Project Manager
740 Woodbury Avenue, Pasadena, CA 91001
spo-maissian.sam@pusd.us

Re: Bid No. 23-03 | THREE RELOCATABLE CLASSROOM BUILDINGS AT ALTADENA ARTS MAGNET

Dear Mr. Maissian and Selection Committee:

Pasadena Unified School District has declared its mission: *"to provide rigorous education in an environment that engages and empowers all children to become lifelong learners; our students will be thinking, literate, productive, responsible and ethical, able to compete in and contribute to a diverse society."* We will work with your mission statement to develop the Altadena Arts Magnet project, fulfilling your commitment to creating 21st century learning environments that focus on facilitating student success. Thank you for extending to **tBP/Architecture** the opportunity to submit our proposal to provide Architectural Services to Pasadena Unified School District.

As a firm whose sole focus is on K-14 educational facilities, **tBP/Architecture** is ready to serve the District with the planning and design described in your RFQ. We have long-term expertise working with the offices of the DSA having shepherded projects from approval through certification. **tBP/Architecture** has assembled an experienced team who will support you in accomplishing your project described in the RFP. Our can-do attitude will provide you with proven options to allow you to make informed decisions. Our most recent similar experience has been to provide Arcadia, Glendale, Hacienda La Puente, Irvine, Los Angeles, San Bernardino City, Simi Valley and Temple City Unified School Districts a varied array of services similar to yours.

Key factors to consider in selecting **tBP/Architecture** include the following:

- 70 Years Relevant Experience – Portfolio of programming, planning, and executing over 1,800 modernizations and new construction projects for 67 K-12 school districts.
- Specific Experience related to the Altadena Arts Magnet Relocatable Classroom Buildings: Hundreds of Portable/Modular Projects including most recently Portable Projects at 9 campuses for Hacienda-La Puente USD, and 10+ for Glendale USD. Current Modular Projects include Holly Avenue Elementary School Replacement Classroom Building (Arcadia USD), and Monte Vista Elementary School Classroom Building (Glendale USD).
- Committed to providing complete services from planning, programming, and design, through construction, certification and closeout - completed over \$3.25 billion in construction.
- Adept at delivering a project's needs while maintaining fixed budgets and schedules.
- Experienced with the Office of Public School Construction and DSA.
- Proven Leaders in Sustainable Design: 15 LEED Projects (2 PLATINUM Certified), along with projects certified by CHPS and Savings By Design.
- Skilled at facilitating user group meetings to build consensus.
- Excited to provide forward-thinking solutions to support new teaching pedagogies and learning styles.

We are enthusiastic to support your District's goals. We look forward to the opportunity to meet with you and discuss our Team's approach to your project. Thank you for your consideration.

Sincerely,
tBP/Architecture



Hung Cheng, Architect
Chairman/Managing Principal

tBP/Architecture, Inc.; 4611 Teller Avenue, Suite 100
Newport Beach, CA 92660
Hung Cheng, Architect, Chairman/Managing Principal
949-673-0300 x227; hcheng@tbparchitecture.com
Addenda Acknowledgement: No. 1 (11/9/2022)

1. RELEVANT EXPERIENCE

General Information

Legal Name: **tBP/Architecture**
4611 Teller Ave., Suite 100, Newport Beach, CA 92660
Hung Cheng, Architect, *Chairman/Managing Principal*
hcheng@tbparchitecture.com; 949/673-0300

Founding: 1952 (70 Years in Business/Educational Focus)

Corporation: California 'C' Corporation, No. 167-2609-3
Incorporated July 1, 1968

Federal Tax ID: #95-2545928

License: California Architect No. C25409

Branch Offices: 1777 Oakland Blvd., Suite 320, Walnut Creek, CA 94596
2292 Faraday Avenue, Carlsbad, CA 92008

Employees: 45 Employees; 10 Licensed Architects,
30+ Technical/Revit Trained,
11 LEED Accredited Professionals

Certification: Small Business Enterprise (SBE) CA No.1424300

SPECIALIZATION IN K-12 SCHOOL FACILITIES

tBP/Architecture is a full-service architectural practice specializing in facilities planning and design for K-12 Schools and California Community Colleges. **95% of our projects are K-14 Educational Projects.** Since the firm's founding in 1952, we have completed in excess of \$3.25 billion in construction projects which includes over 1,000 new K-12 buildings and over 800 K-12 renovation/modernization projects. The firm collaborates with administrators, faculty, staff and students to develop innovative solutions. These solutions embrace each institution's culture, address advanced learning modalities, enhance learning outcomes, provide optimum flexibility and adaptability, and create environmentally sensitive settings for lifelong learning.



95% of tBP/Architecture's work is for public sector educational clients in California serving a very diverse community of educators, administrators and students.

Ensuring diversity, equality and inclusion is foremost in our minds and integral to our practice.



Modular Buildings/Pre-Checked Designs

Over the last fifty years tBP/Architecture has designed hundreds of relocatable and permanent modular facilities and campuses using these methods. Projects we've completed using pre-checked designs include classrooms, science labs, multi-purpose rooms, offices, conference/meeting rooms, kitchen/food preparation, restrooms, and shade structures. Many times, these facilities are designed in combination with each other, and with permanent construction.

A primary benefit of using pre-checked design is the expedited approval and construction process. The Division of State Architects (DSA) allows for over-the-counter (OTC) approval for pre-checked designs which tBP has completed for many projects.

There is a vast array of choices in the current marketplace including:

- **Temporary sectionalized units on wood sleepers.** These can be rented, leased or purchased. They are the best choice for swing space or enrollment surges. They also represent the shortest design/construction cycle.
- **Permanent sectionalized units on Concrete foundations.** These are generally purchased and are good solutions for longer term growth especially for special programs. They take slightly longer to implement than the temporary foundations, but still far less than a stick-built alternative.
- **Hybrid Panelized pre-approved systems of one and 2 stories.** These options are virtually indiscernible from stick-built structures. They have some schedule advantages versus stick built and some module flexibility.

While modular building designers, contractors, and vendors all have a similar goal of streamlining the building process, pre-checked designs are not all the same. These designs vary in quality, cost, materials, delivery, scalability and more. tBP will take these variables into consideration to find the most appropriate solution for your District. We pay close attention to how well a pre-checked design can integrate your District's educational specifications, and how designs can be adapted to suit your needs.

Examples of modular contractors and vendors we've worked with include:

- American Modular Systems
- Enviroplex
- JL Modular
- Meehlies Modular
- Project Frog

As the desire and need for outdoor learning areas increase, tBP has also coordinated the installation of numerous pre-checked shade structures. Vendors and manufacturers we've used include:

- Americana Building Products
- Dave Bang
- USA Shade & Fabric Structures





Los Molinos Elementary School New Kindergarten Relocatable, Hacienda Heights, CA



Woodbridge High School Music/Fitness Modular Building, Irvine, CA



Cedarlane Academy Head Start/Kindergarten Portable, Hacienda Heights, CA



Woodbridge High School Modular Building, Irvine, CA

Modular/Portable Buildings (Partial List)

GLENDALE USD

Cloud Preschool Portables Project (Head Start Program)
Crescenta Valley High School Sports Medicine Lab and Modular Classroom
Dunsmore Elementary School Relocatables
Fremont Elementary School Replacement Interim Housing
La Crescenta Elementary School Replacement Interim Housing
Lincoln Elementary School Elementary School Replacement Interim Housing
Crescenta Valley High School Science Labs Modernization Interim Housing
Monte Vista Elementary School Relocatables
Monte Vista Elementary School Modular Classroom Building (CURRENT)

HACIENDA LA PUENTE USD

Cedarlane Academy Head Start/Kindergarten Portable
Fairgrove Academy Childcare Portable Replacement
Los Altos Elementary School Relocatable Computer Lab
Los Altos Elementary School Additional Relocatable
Los Molinos Elementary School New Kindergarten Relocatable
Los Molinos Elementary School 3 New Portable Classrooms
Mesa Robles Middle School New Relocatable (24'x40')
Newton Middle School New Relocatable
Wedgeworth Elementary School 5 Kinder Portables (36'x40')
Wedgeworth Elementary School 2 Replacement Portables,
Wedgeworth Elementary School 3 New Portables
Wedgeworth Elementary School Additional Portables (2 replacements, 1 new)

IRVINE USD

Woodbridge High School New Relocatable Science & CR
Woodbridge High School Relocation of 1-Classroom
Woodbridge High School Expansion-Music/Fitness Enclave, 7 Modular Classroom Buildings

SIMI VALLEY USD

Simi Institute Modular Conference Center
Apollo High School 2 Classroom/Restroom Modular

SAN RAMON VALLEY USD

Alamo Elementary School Replacement Modular Classroom Buildings (Current)
Dougherty Valley High School 3 Classroom Modulares
Dougherty Valley High School 18 Classroom Modulares
Dougherty Valley High School Expansion Portable 12 CRs



Los Molinos Elementary School



Wedgeworth Elementary School



Hacienda La Puente USD Portable/Relocatable Classroom Buildings (9 School Campuses)

Client: Hacienda La Puente Unified School District
Joel Duarte, *Director of Purchasing and Warehouse*
626/933-3932; jduarte@hlpusd.k12.ca.us

Project Location: Hacienda Heights, La Puente, Valinda and City of Industry, CA

Completion Dates: 2016 - 2017

A total of seven schools received new or replacement portable classroom buildings to address various campus needs. Projects include:

Cedarlane Academy
• Head Start/Kindergarten
Portable

Fairgrove Academy
• Childcare Portable
Replacement

Los Altos Elementary School
• Relocatable Computer Lab
• Additional Relocatable

Los Molinos Elementary School
• New Kindergarten Relocatable
• 3 New Portable Classrooms

Mesa Robles Middle School
• New Relocatable (24'x40')

Newton Middle School
• New Relocatable

Wedgeworth Elementary School
• 5 Kinder Portables (36'x40')
• 2 Replacement Portables,
3 New Portables
• Additional Portables
(2 replacements, 1 new)



Las Molinos Elementary School

- Campus Entry projects 13 campuses
- 2 Shade Structures per campus for 32 Schools
- Campus Wide Irrigation System for 5 Campuses
- Modular Classrooms at 7 Schools
- District-wide Fire Alarm Upgrades



Cedarlane Academy



Nelson Middle

Hacienda La Puente USD Various Campus Improvements (35 Schools, 2 District Sites)

Client: Hacienda La Puente Unified School District
Joel Duarte, *Director of Purchasing and Warehouse*
626/933-3932; jduarte@hlpusd.k12.ca.us

Services Provided: Design Development, Construction Documents, Construction Administration

Completion Date: May 2020

Various School Improvements (35 Schools, 2 District Sites):
Shade Structures, Irrigation Replacements, Campus Entry/Security, Modular/Portables Additions, Fire Alarm Replacements, HVAC Re-Bid, Parking Lot Re-Bid, Warehouse Freezer

To ensure student safety and to provide a better learning environment, we helped Hacienda La Puente USD implement various improvement projects across 35 School campuses and 2 District Support sites. One example project is Cedarlane Academy that has undergone several improvement projects as part of which includes:

1. Installation of two shade structures.
2. Campus entry and security upgrades.
3. Relocation of a 36'x40' Head Start/Kindergarten portable building.
4. Incorporation of a campus wide irrigation system along with low water use and drought tolerant plants is also planned for the campus.

2. PROJECT TEAM

Proposed Project Team

ARCHITECTURE AND PLANNING

Principal in Charge:

Hung Cheng, Architect, *Principal*
California Architect No. C34187

Project Manager/Construction Administration: Carolyn W. Loughrey

Job Captain:

Jonathan Gonzalez Alcantara



CONSULTANT TEAM

Electrical Engineering:

SALAS O'BRIEN

Stephen R. Zajicek, PE, *Elect. Engineer of Record*
Electrical Engineer, California No. E10372
8825 Research Drive, Irvine, CA 92618
949/852-9995 | stevez@fbaengr.com



Civil Engineering/Survey:

FPL AND ASSOCIATES, Irvine, CA

Alan Lee, PE, QSD/QSP, *Chief Civil Engineer*
Civil Engineer, California No. C34971
30 Corporate Park, Suite 401, Irvine, CA 92606
949/252-1688 | alan.lee@fplandassociates.com



Principal in Charge:

Hung Cheng, Architect, *Chairman/Managing Principal*

Hung Cheng has 21 years of professional experience specializing in K-14 educational projects. He has proven successful directing the preparation and continuity of our documents, while adeptly coordinating with our consultant partners and regulatory agencies. His focus is to keep our clients happy by keeping the project on schedule and on budget. He has been involved in programming, design, design development, and construction documents and construction administration; thus bringing an overall consistency to the project.

Role/Responsibilities: responsible for overseeing throughout the project, working with the District to develop an open means of communication in order to ensure a smooth project process; responsible for contract review, consultant selection, and team assignments; involved in client meetings, including programming and design discussions, and will also be available to the client through all phases of the project. TBP's Director of Building Information Modeling (BIM) and Quality Control Coordinator, Hung conducts the team QC reviews.

Relevant Project Experience

- Cedarlane Academy Head Start Portable and Shade Structure, Hacienda Heights, CA
- Crescenta Valley HS Science Labs Modernization and Interim Housing, La Crescenta, CA
- Dunsmore Elementary School Interim Housing Relocatables, Glendale, CA
- Holly Avenue Elementary School 2-Story Modular Replacement Classroom Building, Arcadia, CA (CURRENT)
- John C. Fremont Elementary School Classroom Building Replacement (ORG) and Interim Housing, Glendale, CA (HPI Program)
- La Crescenta Elementary School Classroom Building Replacement (ORG) and Interim Housing, La Crescenta, CA (Savings By Design)
- Monte Vista Elementary School Modular Classroom Building, La Crescenta, CA (CURRENT)
- Temple City USD DDSLC Modular Toilets and Classroom Conversion, Temple City, CA
- Wedgeworth Elementary School New Kinder Classroom Portables, Hacienda Heights, CA
- Birney Elementary School HVAC Upgrades, Long Beach, CA
- Arcadia USD District Wide Playground Equipments with Shade Canopy, Arcadia, CA (CURRENT)
- Hacienda La Puente USD Improvement Projects (35 School Sites, 2 District Sites), Hacienda Heights, La Puente, Valinda, CA
Shade Structures, Irrigation Improvements, Campus Entry Projects, Portables/Relocatables, HVAC and Various Safety Improvements

Education

Bachelor of Architecture, Cornell University, Ithaca, NY, 2001

Registration

California Architect No. C34187, 2013

Project Manager/Construction Administration:
Carolyn W. Loughrey

Carolyn Loughrey has 32 years in the architectural field and worked on diversified projects with a specialization in K-14 educational facilities. Carolyn has worked with many Districts on State and locally-funded projects and has excellent working relationships with DSA staff.

Role/Responsibilities: Carolyn is responsible for the day-to-day project progress and is the primary contact for the team members and the subconsultants. Carolyn provides coordination and continuity for the project, preparing construction documentation from Design Development through Construction Documents, directing the preparation and continuity within construction documents, and for coordinating between consultant disciplines, and between governmental agencies. Carolyn will also be responsible for observing construction to assure that it is in conformance with the contract documents. She will coordinate consultants, attend on-site construction meetings, provide timely review of submittals and response to RFIs, and decisive problem-solving for the team.

Relevant Project Experience

- Cedarlane Academy Head Start Portable and Shade Structure, Hacienda Heights, CA
- Cloud PreSchool Interim Housing Relocatables (Head Start Program), La Crescenta, CA
- Crescenta Valley High School Sports Medicine Lab and Classroom Modernization (Modular Construction), La Crescenta, CA
- Holly Avenue Elementary School 2-Story Modular Replacement Classroom Building, Arcadia, CA (CURRENT)
- John C. Fremont Elementary School Classroom Building Replacement and Interim Housing (Overcrowding Relief Grant), Glendale, CA
- La Crescenta Elementary School Classroom Building Replacement (ORG) and Interim Housing, La Crescenta, CA (*Savings By Design*)
- Lincoln Elementary School Classroom Building Replacement (ORG) and Interim Housing, La Crescenta, CA (*HPI Program*)
- Monte Vista Elementary School Modular Classroom Building, La Crescenta, CA (CURRENT)
- Wedgeworth Elementary School New Kinder Classroom Portables, Hacienda Heights, CA
- Arcadia USD Shade Structures, 7 Campuses, Arcadia, CA
- Oak Creek Elementary School Music Lab Addition and Shade Structure, Irvine, CA
- Sierra Vista Middle School Science Lab Bldg. & Upgrades, Irvine, CA
- South Lake Middle School New Science Lab Building, Irvine, CA
- Arcadia USD District Wide Playground Equipments with Shade Canopy, Arcadia, CA (CURRENT)
- Hacienda La Puente USD Improvement Projects (35 School Sites, 2 District Sites), Hacienda Heights, La Puente, Valinda, CA *Shade Structures, Irrigation Improvements, Campus Entry Projects, Portables/Relocatables, HVAC and Various Safety Improvements*

Education

Bachelor of Science, Environmental Design, Syracuse Univ., 1988

Job Captain/CAD/BIM Operator:
Jonathan Gonzalez Alcantara

Jonathan Gonzalez Alcantara has 5 years experience in the field of architecture. His experience includes a variety of K-12 projects types. Jonathan is proficient in using the following software: AutoCAD, SketchUp, Rhino, Grasshopper, Revit, Adobe Photoshop, Adobe Illustrator, Adobe Indesign, and Bluebeam Revu.

Role/Responsibilities: Working closely with the Project Manager, Jonathan is responsible for preparing construction and bid documents, and for coordination between disciplines and governmental agencies, such as the Fire Marshal and local agencies.

Relevant Project Experience

- Cedarlane Academy Head Start Portable and Shade Structure, Hacienda Heights, CA
- Holly Avenue Elementary School 2-Story Modular Replacement Classroom Building, Arcadia, CA (CURRENT)
- Monte Vista Elementary School Classroom Modular Building, La Crescenta, CA (CURRENT)
- Fairgrove Academy Relocatable Classroom, La Puente, CA
- Crescenta Valley High School Sports Medicine Lab and Modular Classroom Modernization, La Crescenta, CA
- Los Molinos Relocatable Classrooms, Hacienda Heights, CA
- Mesa Robles Middle Schools Relocatable Classrooms, Hacienda Heights, CA
- Newton MS Relocatable Classroom, Hacienda Heights, CA
- Wedgeworth ES New Kinder Classroom Portables, Hacienda Heights, CA
- Canyon View Elementary School Music Lab Addition and Library, Irvine, CA
- Oak Creek Elementary School Music Lab Addition and Shade Structure, Irvine, CA
- Sierra Vista Middle School New Science Lab Building and Upgrades, Irvine, CA
- South Lake Middle School New Science Lab Building, Irvine, CA
- Glendale High School Aquatic Center, Glendale, CA
- Wilson High School Home Economics Classroom Renovation, Hacienda Heights, CA
- Arcadia USD District Wide Playground Equipments with Shade Canopy, Arcadia, CA (CURRENT)
- Hacienda La Puente USD Improvement Projects (35 School Sites, 2 District Sites), Hacienda Heights, La Puente, Valinda, CA (CURRENT) *Shade Structures, Irrigation Improvements, Campus Entry Projects, Portables/Relocatables, HVAC and Safety Improvements*

Education

Bachelor of Architecture, Woodbury University, Burbank, CA, 2019
Associate of Science in Architecture, Orange Coast College, 2016

Certificates

Sustainable Design, Orange Coast College, 2016

Electrical Engineering:

SALAS O'BRIEN

Brian Smith, Senior Vice President, Electrical Designer

With Salas O'Brien since 2013, Brian has over thirty years of electrical design industry experience with projects encompassing K-12 and higher education, office and commercial environments, industrial facilities, retail, institutional, and public works facilities. He is involved in all engineering phases and is active in the day-to-day management and direction, from master planning and schematic designs to construction support services and final project closeout. Brian's project responsibilities providing comprehensive construction document preparation include utility company and other design trade coordination, DSA plan check coordination, energy compliance documentation, project field specifications, project estimates, shop drawing reviews, and construction administration/field support. He provides the constructive direction for the project's electrical engineering, including design for lighting, security, telecommunications, audio visual, and fire alarm systems.

Relevant Project Experience

with tBP/Architecture

- La Mirada High School Baseball, Softball, Practice Fields |
- Programming and Conceptual Design, La Mirada, CA

with tBP/Architecture as OMB

- Baldwin Elementary School Modernization, Alhambra, CA
- Ramona Elementary School Modernization, Alhambra, CA
- Ynez Elementary School Modernization, Monterey Park, CA (CURRENT)
- Hacienda La Puente USD | Five (5) Schools Fire Alarm Assessments and Upgrades, City of Industry, Hacienda Heights, and La Puente, CA (CURRENT)

Additional Experience

- Century High School Stadium and Sports Fields, Santa Ana, CA
- Crawford High School Stadium and Sports Fields, San Diego, CA
- Newport Harbor High School Stadium, Newport Beach, CA
- Alta Loma High School Stadium/Pool, Alta Loma, CA
- El Toro High School Library Renovation and Building 200 Renovation for 10 classrooms, lecture hall, staff work room and conference room, Lake Forest, CA
- Rancho Santa Margarita Intermediate School Building 200 Classrooms and Library Renovation, Rancho Santa Margarita, CA
- Caryn Elementary Campus-Wide Low Voltage and Fire Alarm Upgrade, Alta Loma, CA
- David W. Long Elementary School Campus-Wide Low Voltage and Fire Alarm Upgrade and Building Renovation, Fontana, CA

Education

Associates of Arts, Electrical Design, Rancho Santiago Community College

Electrical Engineering Studies, California State Polytechnic University, Pomona

Civil Engineering:

FPL AND ASSOCIATES, INC.

Alan Lee, PE, QSD/QSP, Assoc. VP of Civil Engineering

Alan Lee joined FPL in 2009 after 32 years at the City of Los Angeles Bureau of Engineering (BOE), where he worked on a variety of civil engineering projects. Since joining FPL, Alan has helped dozens of agencies and developers with the successful delivery of projects with complex civil engineering and coordination needs. Since 2009, Alan has served as FPL's Chief Civil Engineer for hundreds of K-12 and community college projects that have been approved by the Division of the State Architect (DSA). Alan is especially skilled at civil engineering design, plan review, permit processing, agency/utility coordination, and cost estimates. Agencies and private developers alike turn to Alan to help expedite projects and ensure quality projects.

Relevant Project Experience

with tBP/Architecture

- Holly Avenue Elementary School 2-Story Modular Replacement Classroom Building, Arcadia, CA (CURRENT)
- Monte Vista Elementary School 2-Story Modular Classroom, Building, Glendale, CA (CURRENT)
- Baldwin Elementary School Modernization, Alhambra, CA (CURRENT)
- Birney Elementary School HVAC Upgrades, Long Beach, CA (CURRENT)
- Canyon View Elementary School Music Lab Addition and Library, Irvine, CA (CURRENT)
- Oak Creek Elementary School Music Lab and Innovation Lab, Irvine, CA
- Ramona Elementary School Modernization, Alhambra, CA (CURRENT)
- Ynez Elementary School Modernization, Monterey Park, CA (CURRENT)
- Sierra Vista Middle School Science Labs Upgrades, Irvine, CA
- South Lake Middle School New Science Labs, Irvine, CA

Additional Experience

- Camino Nuevo Charter K-8 Academy, Los Angeles, CA
- Hamilton Elementary School Modernization & New Multi-Use Classroom, Pasadena, CA
- Roosevelt Elementary School New Construction, Long Beach, CA
- South Region Elementary School #11, Los Angeles, CA
- Blair Middle School New Middle School, Pasadena, CA
- Dale Junior High School Modernization, Anaheim, CA
- Hamilton Middle School New Gymnasium, Long Beach, CA
- Wright Middle School Access Compliance, Los Angeles, CA

Education

Bachelor of Science, Civil Engineering, CSU, Los Angeles, 1975

Registrations

Professional Engineer Civil, 34971 CA

Qualified SWPPP Developer (QSD)

Qualified SWPPP Practitioner (QSP)

Certified LEED Accredited Professional, 2008

3. FEE

Professional Fees

PROPOSED LUMP SUM FIXED FEE

Three Relocatable Classroom Buildings at Altadena Elementary School

Our proposal includes services provided by a civil and electrical engineer. Other consultants can be added as an additional service.

We propose a lump sum fixed fee of \$16,000 plus optional \$3,100 for the topographic survey.

Our proposal excludes work related to the path of travel upgrades, relocatable interior modifications and removal of the existing solar panels.

HOURLY FEE SCHEDULE

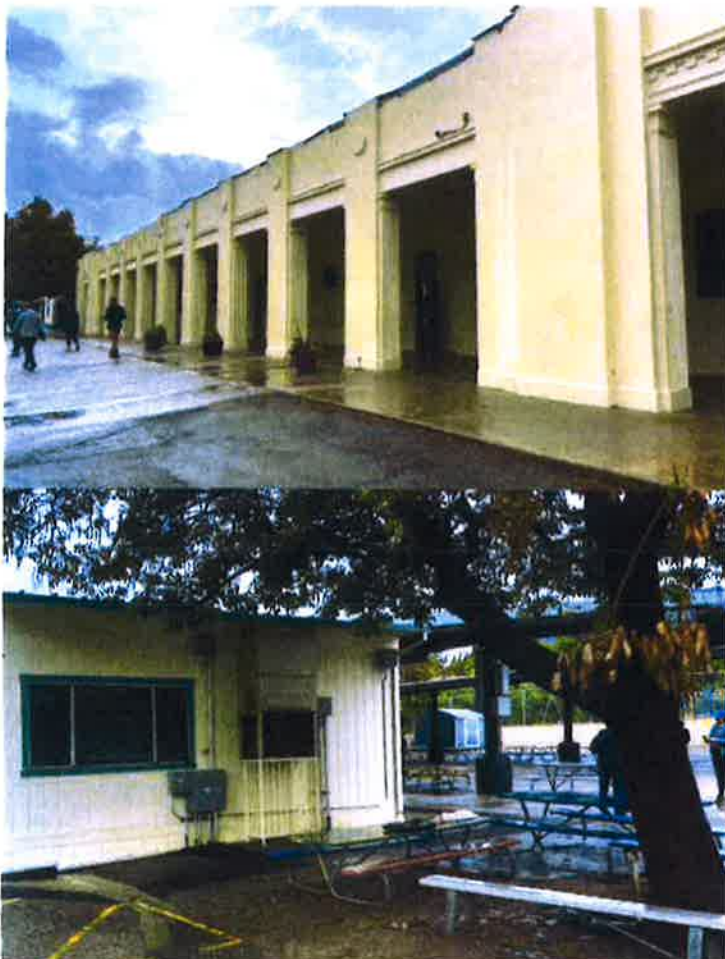
The following hourly rates will be utilized for work performed on your project within the category of Architectural Services. The following positions relate to personnel in the offices of tBP/Architecture.

Description	Rates
Principal in Charge	\$ 270.00
Sr. Project Manager / Sr. Project Architect	\$ 210.00
Project Manager	\$ 185.00
Project Architect / Project Leader	\$ 160.00
Job Captain	\$ 140.00
CAD / BIM Operator / Drafter / Intern	\$ 130.00
Sr. Planner / Sr. Designer	\$ 195.00
Designer	\$ 160.00
Planner	\$ 150.00
Interior Designer	\$ 140.00
Senior Construction Administrator	\$ 210.00
Contract Administrator	\$ 160.00
Administrative	\$ 95.00

Services provided by engineering and special consultants assigned to the project and authorized for professional services will be charged at one point one five (1.15) times the amount billed to tBP/Architecture.

tBP/Architecture's goal is to deliver the project to the District with little or no-reimbursable expenses. This can be achieved by paperless deliverables and limiting the number of on site meetings to a number appropriate for project size. If the District does need paper deliverables, we can deliver them to your printer so you can acquire separately at your rates. Any printing we do in house is marked up 15%.

The rates listed above are current as of July 1, 2022. They will remain in effect for a minimum of six months, at which time they will be evaluated relative to the current increases in the U.S. Department of Labor's Consumer Price Index.



**BOARD OF EDUCATION
PASADENA UNIFIED SCHOOL DISTRICT
PASADENA, CALIFORNIA**

Topic: APPROVAL TO AWARD CONTRACT FOR ARCHITECTURAL DESIGN SERVICES FOR THE SHADE STRUCTURE INSTALLATION AT WASHINGTON ES, MADISON ES, MCKINLEY ES, HAMILTON ES, NORMA COOMBS ES AND FIELD ES

RECOMMENDATION: The Governing Board of the Pasadena Unified School District approves staff to proceed with Award of a Contract for the Design Services to Project Architect of the Shade Structures Installation at Washington ES, Madison ES, McKinley ES, Hamilton ES, Norma Coombs ES, and Field ES.

Anticipated Effect on Student Outcomes: Implementation of Measure O Bond Capital Projects to ensure a modern, safe, and orderly environment that supports and inspires student learning.

I. BACKGROUND:

In January of 2022 the Board approved BR 1541-F for the design and installation of shade structures at 14 schools. The sites selected for phase one installation, which will take place in the summer of 2023 are; Washington ES, Madison ES, McKinley ES, Hamilton ES, Norma Coombs ES, and Field ES. The shade structures provided for in the project have been preapproved by Division of State Architect (DSA), which will allow for a quicker design and installation timeline. As with any DSA project, the District will have to adhere to the Adults with Disabilities Act (ADA) regulations pertaining to path of travel from the shade structure to campus areas, public right away access and ADA compliant restrooms.

II. STAFF ANALYSIS:

The District used a Request for Proposal process (RFP) using our approved Architectural and Engineering (A/E) pool on October 20, 2022. Staff reviewed each proposal and selected the Project Architect based on Best Value. It is recommended that the Board award the design services contract to Arcadis/IBI Group for site design, ADA improvements and the installation of shade structures at Washington ES, Madison ES, McKinley ES, Hamilton ES, Norma Coombs ES, and Field ES.

Attachment: Proposal for Summer 2023 Shade Structure Project Architect

III. FISCAL IMPACT:

Funds required in the amount of not to exceed \$585,952 and are available in the Measure O Capital Projects Fund.

Pasadena Unified School District

Board of Education Agenda

January 26, 2022

Submitted by: _____

Leslie Barnes, Ed.D., Chief Finance and Operations Officer

Funding title/code:

Title: Measure O Capital Projects Fund

Codes: 21.3-97118.0-00000-850000-6210-0750000
21.3-97118.0-00000-850000-6210-0400000
21.3-97118.0-00000-850000-6210-0730000
21.3-97118.0-00000-850000-6210-0260000
21.3-97118.0-00000-850000-6210-0600000
21.3-97118.0-00000-850000-6210-0180000

Approved:

Brian O. McDonald, Ed.D.
Superintendent

Originated by: Leonard Hernandez, Jr., Director of Facilities, Maintenance, Operations and Transportation



IBI GROUP

RFP NO. 02-22/23

Shade Structure Program - Phase 1 Project Architect

Submitted to Pasadena Unified School District
Submitted by IBI Group, a California Partnership
November 22, 2022 | 3:00 pm

IBI Group, a California Partnership is a member of the Arcadis IBI Group of companies.

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Letter of Intent



November 22, 2022

Ilene Mehrez, Procurement & Contracts Supervisor

Pasadena Unified School District

351 So. Hudson Avenue, Room 102
Pasadena, CA. 91101

Re: Shade Structure Program – Phase I – Project Architect RFP No. 02-22/23

Ms. Mehrez:

Arcadis IBI Group is excited to submit our response to the Pasadena Unified School District RFP for the Shade Structure Program - Phase 1. We have reviewed the projects included in the RFP and the requested professional services and believe our team is well suited to work with the District to bring your vision to life.

WHO WE ARE

For more than four decades Arcadis IBI Group has focused on **putting our clients first** by providing exceptional service throughout California for our many long-standing, repeat public clients. Our firm is committed to **diversity, equity, and inclusion (DEI)** at all levels of our organization and strives to create educational equity in all our design work. With hundreds of successfully completed projects, our commitment to next generation learning environments has placed our **Learning+** practice at the forefront of educational design not only in California, but worldwide. Our focus in every project is to **improve the educational environment and potential educational outcomes**.

The **core Leadership Team** of **Janvi Kanani, Isa Mattia, and Danny Chhan** have more than 30 collective years of California K-12 educational facility design experience including DSA expertise and will be responsible for the successful completion of Phase 1 of the Shade Structure Program, to be designed and managed through our Los Angeles office.

Along with our dedicated educational design personnel, we bring with us an equally experienced group of professional consultants, several of which we have a 30-plus year history of collaboration on successful California K-12 school projects, including **KPFF, Maroko & Shwe, and OCMI**. The value that we bring to PUSD is **design excellence, innovation, and predictable outcomes**.

Communication is the key to success of any team effort. **Isa Mattia** will act as the main point of contact (a position we call "Client Champion"). All team communications will be directed through her. Her role will be to direct all project activities and coordinate and participate in all project design, documentation, approval, procurement, and construction administration activities. She will work closely with **Janvi Kanani and Danny Chhan** to make sure that each of PUSD project's goals are met.

We understand how important it is to student learning that each component of a school's campus contribute to a positive learning experience, protecting students from the detrimental effects of excessive heat, as offered by the Shade Structure Program. We have provided shade structures throughout California's public school campuses, from Kindergarten through Higher Education. As a result, we are well qualified to work with PUSD to provide solutions that best enhance each of the six campuses chosen in Phase 1 and strategize with you to meet each individual site's project goals.

I am authorized to execute contracts on behalf of our firm, and we look forward to making a presentation to you and your Selection Committee (if required) to further demonstrate our desire to partner with PUSD in elevating the educational environments for your students.

Respectfully,



Craig Atkinson, AIA, NOMA, LEED AP

Director | California Education Sector Lead | Sr. Principal Architect

2

Project Approach and Firm Qualifications





▲ Mabel Mattos Elementary School

02

Project Approach and Firm Qualifications

Our Team's Ability to Accomplish the Scope of Services in a Comprehensive and Thorough Manner with an Aggressive Schedule

What We Do For You

WE EXCEL AT DEFINING LEARNING ENVIRONMENTS

Arcadis IBI Group is an experienced collection of team leaders and design professionals that have a long history of developing educational facilities at existing K-12 campuses where we infuse infrastructure to provide “Next Generation” learning environments. We develop educational environments that are focused on the learner and the shift to creating flexible individualized learning methods. We believe learning should be contextual and relational, not just rigid adherence to skill-building. We understand teaching and technology ought to be incorporated as the ‘invisible tools’ in the learning landscape.

We specialize in campus additions, modernizations, and adaptively reusing existing space efficiently. We understand the need, and how, to keep a school operational throughout all phases of construction. We are well-versed at addressing highly complicated projects, such as whole campus conversions, multiple additions, campus-wide modernizations, and ADA upgrades.

OUR APPROACH TO MODERNIZATIONS IS CAREFUL PLANNING

Modernization projects present a unique challenge to the design team beyond those typically encountered in new construction. It is an interactive process to meet all competing interests, while maintaining the heart of the existing facility. Investigation, assessment, and the evaluation is key to identifying and prioritizing the scope of work to be completed. Field investigation includes site visits by Arcadis IBI Group and our team of consultants to verify existing conditions and identify opportunities. We approach modernization projects aware that the District is a key team member.

We find it extremely valuable to document the existing facility prior to beginning the project. This approach has proven to be an effective tool that assists with the evaluation of project needs, scope of project documentation, and early identification of existing conditions to be prepared for during construction.

▼ Sylmar K-8 Span School



ABILITY TO MEET CONSTRUCTION SCHEDULES FOR PROJECTS WITH TIGHT TIMETABLES

Strict schedule-tracking is a matter of course for all of our projects, from design through construction. We work with our districts to establish realistic schedules. This includes ensuring that the client is aware of their responsibilities that can affect schedule. Based on the complexity of the assignment, we identify the key issues and milestone goals, research solutions to potential obstacles, and incorporate them into a comprehensive project schedule that is reviewed biweekly ensuring that critical path issues and interdependencies are maintained.

When a fast-track schedule is mandated, as in this project, we analyze the benefit of incremental DSA submittals and/or separate bid packages to expedite early phases of the work. These critical up front decisions are made in concert with key stakeholders to minimize impact to the school site and community. Once the 'Learning Plan' achieves consensus approval,

the requisite phases of architectural document development, cost estimating, value engineering, quality assurance/quality control are implemented and synchronized with the District's schedule and budget management goals.

One recent example where we exceeded the client's expectations with our resiliency in the time of COVID-19 and meeting an aggressive schedule is the **92nd Street Elementary School Comprehensive Modernization**.

Due to phasing constraints, we were in the position to break out scope into six DSA applications, with Phase 0 providing for two applications, service utilities and interim housing. In fact, with the increased focus that we managed (and the ability to actually do more in separately-focused meetings with the client and specific consultants) to create, we were able to shave 2 months off the construction start schedule.

For details on how we propose to address this project's aggressive schedule, please see Section 8 of this proposal.

▼ 92nd Street Elementary School Comprehensive Modernization



Our Firm's Philosophy

PROJECT APPROACH

Our philosophy is simple: innovative yet responsible architecture. We understand that the success of your project(s) rests in our ability to collaborate with you and provide design leadership of each phase, while adhering to strict schedule, budget, and quality control standards.

We will put PUSD first by working collaboratively with you to facilitate successful and predictable outcomes for each campus from inception through DSA close with certification.

OUR EXPERIENCE

Arcadis IBI Group's Western Region has more than 40 years of California experience in the design of educational facilities. We have completed over 600 educational facility projects in California of virtually every type, for numerous K-12 school districts. This experience, and the lessons learned with each and every project, have allowed us to hone our skills and increase our knowledge base. Today, our clients reap the benefits. We help them plan by bringing new ideas to the table and help them execute their projects by providing technical expertise. In summary we are **creative problem solvers**. The unique make-up and basis of our overall practice of architecture, transportation, urban planning, and systems requires that we function continually in the public realm.

Arcadis IBI Group specializes in urban campus additions, modernizations, and master plans. We understand how to efficiently utilize space, and how to keep campuses operational during construction. We are well-versed at addressing highly complicated projects, such as whole campus conversions, multiple additions, campus- wide modernizations, ADA upgrades and selective modernizations.

▼ JHF Polytechnic High School Freshman Center



- ▼ 1. Mabel Mattos Elementary School
- 2. Maclay Middle School Health & Wellness Center
- 3. JHF Polytechnic High School Freshman Center

Modernization projects present a unique challenge to the design team in addition to those encountered in new construction.

They are bound by regulatory limits affecting funding maximums, mandatory minimum spending to accommodate physically disabled accessibility, functional and facility program needs – each dictating user priorities. It truly is an interactive process to meet all the criteria. At the heart of any modernization project is the existing facility. Investigating, assessing and evaluating existing facilities are keys to identifying and prioritizing the work that needs to be done. Field investigation includes site visits by Arcadis IBI Group and our team of consultants to verify existing conditions and identify possible areas of work.

We approach modernization projects aware that the District and School Site Stakeholders are the key team members. Effective results in modernization projects dictate active participation of all users including maintenance and operations personnel, administrative staff, and faculty to assist in developing the prioritization of construction activities and improvements. One unique technique Arcadis IBI Group utilizes is digital imaging. We find it extremely valuable to photograph an existing facility prior to beginning the project. This record has proven effective during the evaluation of project needs, scope of project documentation and even identifying conditions encountered during construction.

The scope of modernizations is **Budget vs. Needs driven**. Choices based on district priorities are reviewed with respect to their cost impact in the total project. The use of alternative bids and unit-bid budgeting is the key to maximizing the impact of the modernization process for the District.

Arcadis IBI Group explores with the District the pragmatic use of funds and resources to provide the most benefit to the overall project. Your project, needs, and involvement dictate the final components pursued in the project development. Our role is to help identify options, quantify your choices and document decisions to obtain the facility improvements desired within your stated budget and schedule while maximizing funding in the process. To do so, Arcadis IBI Group gathers all relevant data available such as local health department requirements, as-built documentation, additional recommended utility investigations, existing facility investigations and site needs, wants and desires.



When the data gathering is completed, the information is organized and prepared as a preliminary modernization “shopping list”. This “menu” is simply a list of modernization items identified by the District and/or by our field investigation. We assign cost to the shopping lists and prioritize the work into three categories:

- **Critical Issues:** the **Must Do's** that relate to Health, Safety, and Welfare, as well as code violations and ADA accessibility;
- **Important Issues:** the **Should Do's** that will improve the educational delivery system;
- **Desirable Issues:** the **Want To Do's** which includes work that is desirable but not critical to the educational delivery system. This prioritization list is balanced with the District's overall goals and budgets to create a realistic construction program and budget for PUSD.

To confirm our understanding of the scope of the project(s), Arcadis IBI Group will meet with the District, site administration, facilities director/coordinator and other interested parties to review the input, and the priority lists. Once most decisions have been agreed upon, a detailed project plan and schedule with a realistic budget will be created and the project will be completed much like a new construction project.

Arcadis IBI Group understands the K-12 pedagogy is constantly changing and evolving. We are dedicated to understanding the relationship between education, educating and the environment. We are quantifying the synergistic nature of this relationship in California, nationally and internationally. We employ the results of this research along with the lessons learned over the past 40 years in each of our projects' design solutions.

◀ Aurora Program Help School



Firm's Approach to Cost Estimating

HOW WE MANAGE COSTS

Arcadis IBI Group believes the marketplace is too volatile to rely on historical cost databases or per square-foot rules-of-thumb. For the Pasadena Unified School District Shade Structure Program, we will retain a cost estimating consultant during all design phases of the project to evaluate the cost related to program, schedule, and budget. Our **construction cost estimator OCMI** works daily in this region dealing with the local contractors. Arcadis IBI Group's success rate has been very high, despite the recent volatility of the construction market. Arcadis IBI Group has a strong history of understanding the design and construction factors that affect the budget. We emphasize on-going cost control and apply it throughout all the design phases to assure the project is meeting your budget goals. With this in mind, we design to budget as opposed to costing the design. This is the key to understanding what effect design concepts, building systems, material selections, construction sequencing and other elements of the project have on the final bid cost.

Close coordination with the PUSD staff in regard to material selections, construction approaches, and regional labor and cost issues are integrated during the entire process. Statements of probable cost are prepared and reviewed at each phase of the work. Careful evaluations of the project's design are done, including long-term cost benefits vs. the efforts to balance initial construction costs along with on-going costs of maintenance and security if you are to have a meaningful budget.

Cost Management				
PROJECT NAME	YEAR	ORIG. CONTRACT COST	BID AMOUNT	VARIANCE
Irvine Valley College Outdoor Patio/Library Improvements, South Orange County CCD	2022	\$1,885,746	\$1,945,960	0.03%
Owens Elementary School Kindergarten Shade Structure, Bakersfield CSD	2021	\$30,000	\$29,602.98	0.01%
Lakewood High School Track & Field - Long Beach Unified School District	2021	\$4,572,082	\$4,173,027	0.087%

COST ESTIMATING SPECIALIST

As leaders in this arena, OCMI has are in daily contact with all sources of construction cost information. The role of our other team members will be to review OCMI estimates for accuracy; performing added Quality Control reviews at each phase. To ensure accuracy and quality in their estimates, the OCMI team adheres strictly to this general approach and methodology:

From the earliest stages of design, the OCMI team prepares program, preliminary, or order of magnitude estimates for this project. These estimates will be prepared from the program studies in a manner consistent with the parameters of the project. Their cost data is an excellent source of unit prices for components where little historical data exists, and for cross-checks of unit prices for components of which the estimator is unfamiliar. They achieve quality and accuracy in our work through precise principles of quantity take-off, well-researched prices, and our knowledge of current market conditions.

Tools to establish an initial budget:

- Historical data on similar type projects
- Review and compare project with company database on similar projects
- Adjust for specific project requirements and additional project-specific scope
- Adjust for project location
- Adjust and anticipate for market conditions

OCMI will check and control the cost through the design process. They will work with the project team to ensure that the cost for base scope elements meets approximately 85% of the construction budget. The optional scope alternatives will be identified to meet the objective and reasonably satisfy the project goals. Also, they will work with the team to develop a report detailing the cost of each of the alternatives and how they will affect the overall budget. These tangible values will help to evaluate the different choices (for example, renovation vs. replacement) available and assist in identifying the preferred alternative.

Recent Cost Estimating Experience - OCMI				
PROJECT NAME	YEAR	OCMI	LOW BID	VARIANCE
San Bernardino City USD: San Bernardino HS Bldg. M Maker Space Project	2019	\$6,981,555	\$6,674,000	4.61%
Chula Vista ESD: New School No. 48, Village 2	2021	\$46,688,797	\$46,578,487	0.24%
Clark County SD: LV Academy of Arts, Performing Arts Center, Entry Plaza Renovation	2020	\$369,264	\$365,000	1.17%

QA/QC Procedures

WHAT WE DELIVER

At Arcadis IBI Group we believe that quality control is everyone's responsibility, from the CEO to the receptionist and it is everyone's responsibility to instill that quality in the people with whom they work.

Quality Control. The key to project success lies with the quality and commitment of the people on the team. We offer senior staff professionals with leadership and production capabilities, all of whom have extensive experience on projects of this type and scope. For your project, **Janvi Kanani**, your **Project Manager**, **Danny Chhan**, your **Construction Administrator**, and **Isa Mattia**, your **Project Architect** bring over 30 years of shared experience. Our project teams meet weekly to review documents for accuracy, coordinate with consultants, adherence to Best Practices specification and the client's standards, while utilizing the Quality Control team at key intervals to assure adherence to QC procedures.

An Arcadis IBI Group Construction Administrator is assigned to the project at 50% completion of documents to conduct constructability reviews and check for specific issues developed from our quality control feedback loop. This effort will be led by your **Construction Administrator, Danny Chhan**. Our reputation for complete, accurate and well-coordinated documents in the contracting community provides our clients with more competitive pricing. As an integral part of our Quality Control process of any project, we are careful to:

- Present all of our designs, decisions, and scope of the project for approvals at each Design Phase of the project to the Administration, end users, staff, Maintenance department, and Facilities department.
- Our engineers, consultants, and architects perform exhaustive quality-control reviews with the District's Facilities department, Maintenance department, District project manager, and/or the Construction Manager at all project milestones.

▼ Main Avenue Elementary School





▲ Arvin High School Shade Structure

Our Project Management Philosophy. Arcadis IBI Group is organized around client-specific teams. The key personnel indicated on our project team summary are involved on the client team and remain consistent for the duration of the project. In many cases, our team members carry through successive projects for the same client. This ensures an effective way to maintain a keen understanding of specific client needs. We are committed to maintaining key personnel from project inception through substantial completion and warranty.

This approach fosters a proactive team environment and builds trust, respect and expectation of performance among team members.

In this project, your project architect, **Isa Mattia** will remain with you throughout all six campuses to ensure continuity and consistency throughout the project to maximize efficiency and effectiveness.

Document Coordination with Other Design Consulting Disciplines and Engineers.

In addition to regularly scheduled coordination meetings during our design development phases, we require all consultants to spend significant time performing specific milestone reviews throughout the construction document phase. Arcadis IBI Group has an established industry-wide reputation for producing consistently accurate construction documents. Complete and accurate documents benefit our clients by saving time, having fewer issues to resolve, allowing projects to be completed on time, and within original budget amounts.

Peer Reviews. Arcadis IBI Group's integrated design process includes quality management and peer review process for all projects and types. As indicated in Section 7, Level of Effort, our construction administrator, **Danny Chhan** will perform QA|QC during the construction documents phase and later continue as the construction administrator. This allows for knowledge of decisions made during design and it's impact during construction.

Compliance and Conformance

WORKING WITH VARIOUS AGENCIES

The Arcadis IBI Group team has a thorough understanding of the requirements, regulations, and procedures necessary for all approval agencies throughout California. We will be your liaison and advocate at the offices of these various agencies.

Our team is pro-active regarding working with the state agencies such as DSA, OPSC, SAB, CDE, DTSC, CGS and local agencies such as the fire departments and health departments. We understand the timing of submissions and the process required to effectively obtain the necessary funding and approvals for your projects. We work tirelessly to assure our submissions are complete and on time.

Arcadis IBI Group ranks among the top firms in the state for processing projects through the State school building program. Due to our long history with State funding processes, the IBI Team has a thorough understanding of the requirements, regulations, and procedures necessary for all phases of a California public school project. Our on-going relationships with these agencies have been one of the main reasons why we are so successful in guiding you through the process.

We are accustomed to working in the detailed world of Public Projects and we assure the Pasadena Unified School District we can and will provide all the services required to conform to the requirements of the Federal, State and Local Government Agencies.

CALIFORNIA DEPARTMENT OF EDUCATION (CDE)

At IBI we have a long history of working with the Department of Education (CDE) providing multiple school districts with planning, designing, financing and ultimately using learning environments. Working with the Schools Facilities Planning Division we ensure that the District's educational goals are in alignment with State programs. We are dedicated to balancing the synergy between educational programs and learning environments – and the manpower necessary for a

successful outcome. Our interest in School design is to promote a positive school culture which is built on a strong, student centered education, and the facilities necessary to deliver this program. We consult with field representatives in the early schematic phases

of the planning process discussing issues related to new construction and modernization plans, including classroom sizes and conforming to the standards found in Title 5. This coordinated approach expedites our overall approval process through cooperation from the very beginning of every project we are involved with.

OPSC/SAB PROJECTS

IBI has been involved with OPSC/SAB projects since the very first State funded project, known then as OLA (Office of Local Assistance).

IBI was the first company to complete a State funded project in California in 1968. We have assisted in obtaining over \$440,000,000 in state funding for our school clients, and in fact, rank among the top firms in the state for processing projects through the State school building program.

DSA Experience

Arcadis IBI Group and our team of consultants selected for your project have successfully processed hundreds of projects of various sizes through the Los Angeles office of DSA. We know the players, we talk with them early, and have a great track record of approving projects on time. **Your design team, led by Arcadis IBI Group, has spent most of their careers specializing in public education projects processed by DSA.**

We know the system and will work effectively with you to achieve your goals. We thoroughly understand the regulations and procedures required for approval, which has gained us respect with DSA. We have established a few internal processes to aid expedited reviews with DSA within their processes.

Preliminary Reviews: We have found that an early consultation or preliminary review with DSA is an invaluable first step. The initial meeting assists us in the project planning and gives notice to DSA of the project. Although decisions are not typically made, we receive information on how they would interpret the code, information placed on the documents that would expedite review and other requirements that affect design.

Design Issues: We treat DSA as part of our consultant team. We have found that open, honest communication goes a long way towards resolving design issues. Recently, at **West Valley College**, the structural design of the exterior overhang prohibited the installation of the required automatic fire sprinkler heads inside the concealed space and under the overhang. Our sprinkler consultant was convinced that we would need a soffit access panel at each head for the entire perimeter of the building. Working with DSA Fire and Life Safety as a consultant and not an advisory, we were able to work out a solution that met the code and satisfied the design. By providing a planter around the building we eliminated the possibility of storage under the overhang and could delete the sprinkler heads under the canopy.

Complete, Concise Documents: With years of DSA review experience, we have set up our construction documents as such that the reviewer can quickly find the information and expedite the review. Arcadis IBI Group understands the submission process and our applications for review are complete.

▼ Aurora Program Help School





▲ Grant High School Comprehensive Modernization

We thoroughly understand the regulations and procedures required for approval, which has gained us respect with DSA. We prepare clearly organized, carefully packaged documents to facilitate efficient reviews with the Fire & Life Safety, Structural Safety and Access Compliance divisions. Critical to our success is our understanding the level of documentation completion DSA requires for approval; and their procedures, including their new digital electronic submission launched at the end of 2018, to ensure a timely and effective reviews for the project materials.

Our team is well versed on the digital review process performed by DSA via Bluebeam Revu and have gone through multiple successful submissions on various school projects, from entire campus modernizations, to adding shade structures.

We typically obtain approval shortly after receiving comments for Backcheck due to the rigorous effort by our team to return to DSA within a couple weeks of receiving their comments.

Continuous Contact: After documents are sent to DSA, we follow up with our assigned reviewers to provide any clarifications in a timely response and support in advancing their reviews.

Addenda: Addenda in DSA format, stamped and signed, are forwarded to DSA as they are issued to the Bidders. In most cases, addenda are approved prior to award.

Construction Administration: During construction we respond quickly to issues received from the Contractor, IOR or DSA Field Representative and issue the necessary clarifications in a timely manner minimizing potential interruptions. When Owner Change Orders are approved, we organize the Construction Change Documents (CCD) clearly providing concise narratives for changes effecting the structural, accessibility or fire life safety portions of the project

Close-Out: DSA Closeout is a vital and on-going process that begins with DSA approval and culminates with the receipt of the "Closed with Certification" letter. We understand that our role as the Architect of Record includes the oversight and review of all documentation, setting up the "DSA Box", and coordination of project certification. We continually monitor the DSA Box ensuring that the required closeout documents which include final verified reports, owners testing lab requirements, and the notice of completion are uploaded correctly.

Meeting Completion Deadlines

OUR APPROACH TO SCHEDULE CONTROL

Arcadis IBI Group has maintained a substantial and manageable workload over the past 40 years. We have a long history of “working miracles” to meet funding deadlines and school openings. Our multiple studios and staff of experienced personnel allow us to fully support your project to meet your schedule. Arcadis IBI Group will commit the resources required to meet schedules set by the PUSD projects.

Project scheduling is an on-going process. We must start with realistic expectations especially for those schedule elements that are beyond our control such as the time required to obtain Agency approvals. As indicated in **Section 9: Project Schedule**, we have developed a schedule that meets the objectives of the District with some float time to allow flexibility with DSA approval. Arcadis IBI Group’s extensive school facility planning experience will aid the District in setting realistic timelines. Once these timelines have been established, we will dedicate senior staff to the successful completion of your project - on time and on budget. With our deep bench, Arcadis IBI Group can assemble multiple

teams to staff your project for success. Again, our past success in this respect is best demonstrated by the fact that 86% of our workload comes from repeat clients. Simply stated, Arcadis IBI Group understands that time is money. Funding deadlines and the first day of school are real, and we have the established management systems and the dedication to providing the quality service. Attention is focused on cost and schedule as required for the successful completion of your projects in today’s complex marketplace.

METHODS/APPROACHES TO MEET DEADLINES:

- Start with a realistic schedule
- Work overtime as necessary
- Increase Staff
- Enlist additional staff from other California offices
- Multiple project teams
- Technology to help expedite the process & efficiently complete deadlines
- BIM (Building Information Modeling)
- Pre-approved DSA Details & proven office standards for Contract Documents

▼ Maclay Middle School Health & Wellness Center



- ▼ 1. Balboa High School Mental Wellness Center;
2. Riley Elementary School Interim Housing;
3. Rose Ferrero Elementary School.

A recent example is our (bundled) design-build **Balboa High School Mental Wellness Center** and **Maclay Middle School Health and Wellness Center** clinics for LAUSD. The District procured services from 5 design-build-entities(DBEs) for project packages of 2 or 3 clinics each. IBI managed design and construction to achieve completion and occupancy by an average of 1 year ahead of all the other DBE projects.

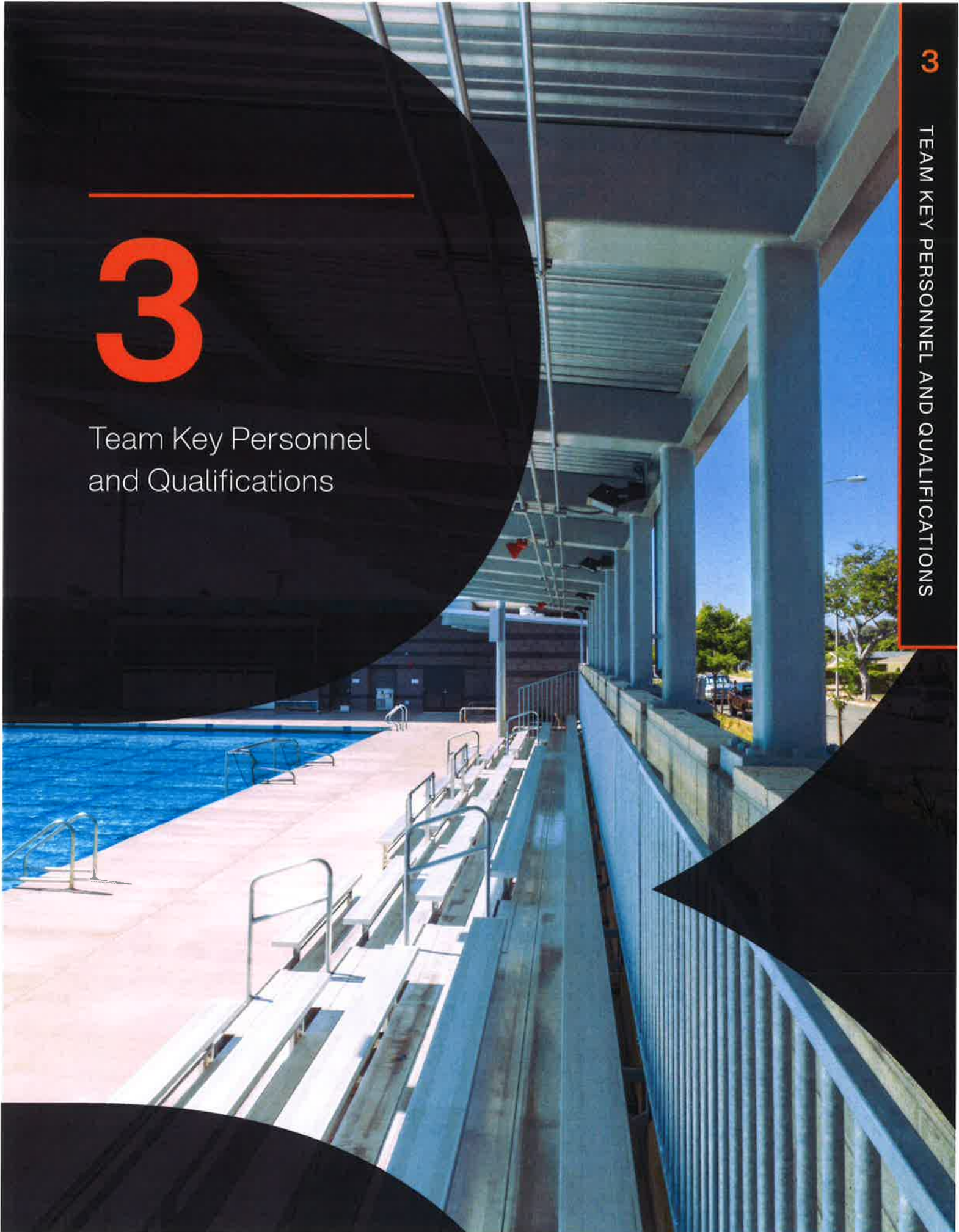
For the LBUSD **Riley Elementary School Interim Housing** project, understanding the critical nature and importance of the project, we provided the design, complete construction documents and DSA approval within 60 days of our notice to proceed.

An example of our ability to meet deadlines involved **Rose Ferrero Elementary School** in the Soledad Unified School District. The Soledad community would not support a Bond Issue in the early 1990's, so we assisted SUSD with Hardship Funding. However, the deadline to secure the funding and have 60% of the funding committed was very short. To meet the deadline and expedite the project, we divided the project into two increments. Increment One was the site work and custom classrooms constructed by a portable manufacturer. Increment Two (2) included the traditional site constructed Administration and Multipurpose Buildings. We were able to program and design the campus, complete construction documents for Increment One (1), obtain DSA approval and bid the project within budget and within 6 months to meet the funding deadline. This was the first of three successful elementary school projects, all built with hardship funding.



3

Team Key Personnel and Qualifications





▲ Servite High School Fr. Fitzpatrick Aquatic Center

03

Key Personnel & Qualifications

Our team is comprised of Arcadis IBI Group's most senior and capable personnel, with a wealth of experience in all phases of education project development, from pre- design and programming through to final completion.

Many of these individuals are working or have worked on projects in Los Angeles County and surrounding neighborhood counties at the following Districts:

- Los Angeles Unified School District
- Long Beach Unified School District
- Oxnard School District

The core of IBI's team is based in our Los Angeles Office; and **our Project Manager and Project Architect are residents of Pasadena.** This team has worked together on several projects and are skilled at virtual team coordination as well as collaboration with clients across California and beyond. We have the available staff resources and expertise to be an efficient partner who will work with Pasadena Unified School District.

OUR APPROACH TO WORKING WITH PUSD

We pride ourselves in being an extension of each district's project team. Our goal is to provide complete, individualized attention to every project assignment. Team Organization Project planning requires a firm understanding of your goals with respect to each project's parameters such as budget, schedule, scope, acceptance of risk, et cetera.

Arcadis IBI Group believes the way to accomplish the district's budget and schedule goals is to pursue each project type vigorously, simultaneously, considering all available construction delivery methods.

We will work collaboratively with PUSD, to determine the project scope that brings the highest educational and facility value. Which along with project schedule and budget are major factors in determining a successful path for responsible stewardship of the bond money entrusted to you by the Pasadena Community. The team we have assembled to come along side District staff to accomplish your goals is a dedicated group of professionals. **Our team has worked together in the past to build shade structures for many schools in the Los Angeles region, and we are confident this wealth of experience will help your school district address the concerns of heat exhaustion and sun exposure as raised by students and faculty.** We individually and corporately pledge our skills and accumulated knowledge to accomplishing your goals.

▼ Rose Avenue Elementary School



Craig Atkinson AIA, NOMA, LEED AP

Project Director



T 213 769 0011 ext 56130
E craig.atkinson@ibigroup.com

YEARS OF EXPERIENCE 32

EDUCATION

Certificate Bachelor of Architecture California Polytechnic State University, San Luis Obispo, CA (1990)
Danish International Studies Kobenhavn's Universitetet, Copenhagen, Denmark, (1988-1989)

EXPERIENCE

1990-Present IBI Group, Los Angeles, CA
Director, Principal

PROFESSIONAL REGISTRATIONS

Licensed Architect California #C25387
LEED Accredited Professional

MEMBERSHIPS

American Institute of Architects Los Angeles Chapter, Member
National Organization for Minority Architects Southern California - President (2022-2024)
Design-Build Institute of America Member
Urban Land Institute (ULI)
Central City Association of Los Angeles (CCA)
Southern California Development Forum (SCDF)

Craig is the IBI Group Learning+ educational sector lead for our Southern California Education practice. He has more than 30 years of experience in the planning, design and construction of educational projects.

He has participated in all phases of master planning, design and construction of educational and public facility projects. He understands the delicate balance between the public, private and municipal spheres of influence and looks to foster collaboration and develop solutions for all stakeholder needs to be met. Craig offers extensive experience in educational facilities including construction. Mr. Atkinson has completed many projects for educational clients and has extensive knowledge and “know-how” in project consensus building, design, planning, project deliver and quality control.

Relevant Project Experience

Los Angeles Unified School District, Los Angeles, CA | Project Director

- 92nd Street Elementary School Comprehensive Modernization; Design-Build
- Shenandoah ES Comprehensive Modernization Criteria Docs; Design-Build
- Ulysses S. Grant HS Comprehensive Modernization Project; Design-Build
- Ulysses S. Grant HS Comprehensive Modernization Project – Existing Conditions and Program Study Report; Design-Build

Oxnard School District, Oxnard, CA

- Rose Avenue School (K-5)

Conejo Valley Unified School District, Thousand Oaks, CA | Project Director

- Westlake High School Aquatic Complex
- Prototype Gyms – Four Middle School Campuses

Paso Robles Unified School District, Paso Robles, CA | Project Architect

- Independent Studies Center
- New Practice Gymnasium

Orcutt Union School District, Orcutt, CA | Project Architect

- District Architect (50+ Modernization and Improvement Projects)

South Orange County Community College District, Irvine, CA | Project Planning

- Irvine Valley College Health Services/Concession/Athletic Complex Programming

Allan Hancock Joint Community College District, Santa Maria, CA | Designer and Planner

- Allan Hancock College Industrial Tech Building & PE/Athletic Fields, Bridging Documents and Construction Phase Services
- Athletic Fields Master Plan

California Polytechnic State University, San Luis Obispo, San Luis Obispo, CA | Project Director

- Baseball Stadium Schematic Design & Feasibility Study

Janvi Kanani AIA, LEED AP BD+C

Project Manager



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E janvi.kanani@ibigroup.com

YEARS OF EXPERIENCE 16

EDUCATION

Bachelors of Architecture Kamla Raheja
Vidyanidhi Institute for Architecture, Mumbai,
India, 2001

Associates in Science, Digital Animation Cerro
Coso Community College, Ridgecrest, CA,
2005

EXPERIENCE

2017–Present IBI Group, Los Angeles,
Associate, Architect

2005–2017 IBI Group, San Luis Obispo, Job
Captain/BIM Manager

PROFESSIONAL REGISTRATIONS

Registered Architect California #C36379

Registered Architect Mumbai, India
CA/2002/29311

LEED Accredited Professional

Diploma in Basic Programming and Computer
Operations

Revit Architecture Certified Professional

MEMBERSHIPS

American Institute of Architects Member

AIA | LA Practice Committee Chair (2022)

Association for Women in

Architecture+Design

ACLA (Architecture for Los Angeles

Community) DXD Committee

Janvi has over seventeen years of experience in education, commercial and public building projects. She has participated in all phases of educational facility design, planning, and construction.

Through her work with the Division of the State Architect and local building departments, Ms. Kanani has thoroughly familiarized herself with the requirements for submitting projects, obtaining approvals, and certifying them. Janvi has successfully coordinated and delivered many projects for California clients and pledges her talents along with our team for the successful completion of your project.

Relevant Project Experience

Oxnard School District, Oxnard, CA | Project Architect

- Rose Avenue School (K-5)
- McAuliffe & Ritchen Elementary Schools Modernization

Santa Paula Unified School District

- Isbell Middle School Flex Labs
- Santa Paula High School Portico

Lamont School District, Lamont, CA | Project Architect

- Alicante Avenue Elementary School

Bakersfield City School District, Bakersfield, CA | BIM Manager

- District-Wide Needs Assessment and Disaster Plan

Paso Robles Unified School District, Paso Robles, CA | Job Captain/3D Visualizer

- Agriculture CTE Center
- Independent Studies Center

Greenfield Union School District, Greenfield, CA | Job Captain/3D Visualizer

- Mary Chapa Academy Administration/Library

Orcutt Union School District, Orcutt, CA | Job Captain

- District Architect (50+ Modernization and Improvement Projects)

County of Los Angeles, Los Angeles, CA | Project Manager

- Whittier Aquatics Center, Whittier, CA

Isa Mattia RA
Project Architect



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E isabella.mattia@ibigroup.com

YEARS OF EXPERIENCE 07

EDUCATION

Bachelor of Architecture California
Polytechnic State University, Pomona

EXPERIENCE

2015–Present IBI Group, Los Angeles, CA
Project Architect

PROFESSIONAL REGISTRATIONS

Licensed Architect California #C39368

MEMBERSHIPS

Association for Women in Architecture + Design

Isa brings over seven years of experience in educational projects. Her work in the architecture field has gained her experience ranging from programming to construction administration.

Isa will work closely with our Project Manager, Janvi Kanani, in developing and managing documents for the PUSD Shade Structures across all sites and provide construction administration with Construction Administrator Danny Chhan until project closeout. Most recently, she has coordinated with the contractor and consultants for a fast-pace design-build project as well as curated criteria documents for various comprehensive modernizations in Los Angeles. Her past experience includes surveying, documentation, and construction administration.

Relevant Project Experience

Los Angeles Unified School District, Los Angeles, CA | Project Architect

- 92nd Street Elementary School Comprehensive Modernization (Project Architect)
- Shenandoah Elementary School Comprehensive Modernization Criteria Documents (Job Captain)
- Orthopaedic High School Science Laboratory (Job Captain)
- Ulysses S. Grant High School Comprehensive Modernization Project Criteria Documents (Job Captain)

Lamont School District, Lamont, CA | Job Captain

- Alicante Avenue Elementary School

Santa Paula Unified School District, Santa Paula, CA | Job Captain

- Isbell Middle School Science Flex Laboratories

Long Beach Unified School District, Long Beach, CA | Job Captain

- Bancroft Middle School

South Orange County Community College District, Irvine, CA | Designer

- Irvine Valley College Health Clinic Criteria Documents

County of Los Angeles | Job Captain

- Whittier Aquatic Center, Whittier, CA
- Department of Animal Care and Control, Criteria Documents, Los Angeles, CA

Danny Chhan RA, AIA
Construction Manager | QA/QC



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YEARS OF EXPERIENCE 09

EDUCATION

Bachelor of Architecture California
Polytechnic State University, San Luis Obispo

EXPERIENCE

2013–Present IBI Group, Los Angeles, CA

PROFESSIONAL REGISTRATIONS

Registered Architect California #C37636

MEMBERSHIPS

American Institute of Architects Member

Since joining IBI Group, Mr. Chhan has developed a broad range of skills and experience in construction document production, interdisciplinary coordination, building code interpretation and construction administration.

He has successfully completed projects similar in scope to your project for educational clients such as SOCCCD, LAUSD and LBUSD. Danny is thoroughly familiar with the requirements for project submittal, approval and certification with several agencies including the Division of the State Architect (DSA). Most recently, Danny has served as the Project Manager on the Measure E Bond projects totaling close to \$100M in construction cost with Long Beach Unified School District. These campus-wide modernizations include the repair of aging and outdated classrooms, installation of HVAC systems and update to classroom technology. He will bring passion and effectiveness to the management of the project team.

Relevant Project Experience

Long Beach Unified School District, Long Beach, CA

- Lakewood High School Campus-Wide Modernization
- Lakewood High School – Track & Field and Bleacher Replacement
- Bancroft Middle School Campus-Wide Modernization
- Riley Elementary School Campus-Wide Modernization
- Cleveland Elementary School Campus-Wide Modernization
- Gompers K-8 School Campus-Wide Modernization

Los Angeles Unified School District, Los Angeles, CA

- Eagle Rock High School - Small Gymnasium Seismic Retrofit and Modernization
- Marshall High School - Small Learning Community
- Gardena High School - Small Learning Community
- Canoga Park High School- Small Learning Community
- Thomas Starr King Middle School – Auditorium Seismic Retrofit and Modernization

Grossmont Unified School District, La Mesa, CA

- Mount Miguel High School – Building 700 Comprehensive Modernization



4

Architect Sub-
Consultant Team
Summary and
Qualifications



▲ Aurora Program Help School

04

Sub-Consultant Team Summary & Qualifications

Arcadis IBI Group fully realizes that a significant factor in our ability to form a successful and productive team with you is the quality and consistency of the group of consulting engineers that we have assembled for your project.

We therefore place great emphasis on using “tried-and-true” consultants that we have built relationships with. From these shared experiences on similar prior projects, we have a proven track record of excellence that we can demonstrate.

Our relationships with our consultants are as important to us as the relationships that we enjoy with our clients. **We respect and value our long-established relationships, and we work hard to keep them.**

Coordination between our work and the consulting disciplines is the backbone of good project development and an ultimately successful outcome. Close cooperation and communication, in turn, is pivotal to that coordination. Good relationships foster that kind of closeness, so our full efforts go into maintaining established processes and systems as we work with our consulting partners to continually evolve and understand how we can best accomplish the shared goals of quality and value for our clients. The following group of time-tested consultants have been specially selected to join your team.

The professional consultants we have selected for your project includes the following:

Civil Engineering – KPFF Consulting Engineers

Plumbing Engineering – Maroko & Shwe, Inc.

Cost Estimator – O'Connor Construction Management (OCMI)

▼ Balboa Boulevard Mental Health Center



Brian Powers PE (C75902)

Principal, Civil Engineering



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E brian.powers@kpff.com

YEARS OF EXPERIENCE 19

EDUCATION

BS Mining and Minerals Engineering Virginia
Tech, Blacksburg, VA

EXPERIENCE

2003–Present KPFF Consulting Engineers,
Los Angeles, CA

PROFESSIONAL REGISTRATIONS

Professional Engineer CA (C75902)
Professional Engineer WA (55061)

MEMBERSHIPS

American Society of Civil Engineers Member

As a Principal and project manager, Brian Powers coordinates directly with the client and project team to understand expectations and communicate issues related to the civil scope of work.

In addition, Brian builds a project team from competent and experienced support staff developing clear expectations and providing strong leadership throughout all the phases of the project. He will be responsible for delivery of the civil engineering scope and work closely with the entire design team to coordinate between the disciplines.

Relevant Project Experience

Los Angeles Unified School District, Los Angeles, CA | Principal/Project Manager, Civil Engineering

- 92nd Street Elementary School Modernization, Los Angeles, CA
- Balboa Boulevard Mental Health Center, Los Angeles, CA
- Charles Maclay Middle School Wellness Center, Los Angeles, CA
- East Valley Skills Center, Los Angeles, CA
- Richard E. Byrd Middle School, Los Angeles, CA
- Shenandoah Elementary School Modernization, Los Angeles, CA

Long Beach Unified School District, Long Beach, CA | Principal/Project Manager, Civil Engineering

- Cleveland Elementary School Modernization, Long Beach, CA
- Lakewood High School Modernization, Lakewood, CA

Additional K-12 Facilities Projects | Principal/Project Manager, Civil Engineering

- East LA Alliance High School, Los Angeles, CA
- East LA Alliance Middle School, Los Angeles, CA
- Crespi Carmelite High School Aquatic Center, Los Angeles, CA
- Crossroads Elementary School, Santa Monica, CA
- Archer School for Girls EIR, Los Angeles, CA
- Archer School for Girls Athletic Facilities, Los Angeles, CA
- Archer School for Girls Building Expansion Projects, Los Angeles, CA
- Baldwin Kindergarten, Baldwin Park, CA
- Bright Star High School Baldwin Hills, Baldwin Hills, CA
- Bright Star Valor Academy, Los Angeles, CA
- Sierra Canyon High School Athletic Fields, Chatsworth, CA

Kevin Ellis PE

Project Manager



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E danny.munsterman@kpff.com

YEARS OF EXPERIENCE 10

EDUCATION

BS Civil and Environmental Engineering
University of California, Los Angeles (2014)

EXPERIENCE

2014–Present KPFF Consulting Engineers,
Los Angeles, CA

PROFESSIONAL REGISTRATIONS

Professional Engineer CA (C93433)

MEMBERSHIPS

American Society of Civil Engineers Member

As a civil engineer and project manager with the Los Angeles office of KPFF, Kevin is responsible for overall project design, collaboration and coordination with project design team, client contact, consultation in the establishment of fees and schedules, supervision of drafting personnel and production, and construction administration.

Kevin's 7 years of experience in civil engineering can be characterized by a passion for collaboration and creative solutions. His proactive approach to project management focuses on collaboration with the design team early in the project to produce efficient and creative design solutions.

Relevant Project Experience

Los Angeles Unified School District, Los Angeles, CA

- John Burroughs Middle School Modernization, Los Angeles, CA

Manhattan Beach Unified School District, Manhattan Beach, CA

- Meadows Elementary School Modernization, Manhattan Beach, CA
- Robinson Elementary School Modernization, Manhattan Beach, CA
- Pennekamp Elementary School Modernization, Manhattan Beach, CA

Long Beach City College, Long Beach, CA

- Liberal Arts Campus ADA Improvements Project

University of California Los Angeles, Los Angeles, CA

- Geffen Academy
- Lab School Upgrades

University of La Verne, La Verne, CA

- Spirituality Center
- Residence and Dining Hall

Additional Project Experience

- Pasadena Conservatory of Music, Pasadena, CA
- College of the Canyons ADA Transition, Santa Clarita, CA
- 10 W Walnut Mixed Use Development, Pasadena, CA
- Olivewood Village, Pasadena, CA
- CSUF Student Health and Counseling Center, Fullerton, CA

James H. Shwe PE, LEED AP
MEP Engineer of Record



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E jshwe@marokoshwe.com

YEARS OF EXPERIENCE **40**

EDUCATION

BEME Institute of Technology, Rangoon,
Burma (1977)
Plumbing Design UCLA (1992)

EXPERIENCE

1996–Present Maroko & Shwe, Burbank, CA

PROFESSIONAL REGISTRATIONS

Registered Mechanical Engineer California
#M26903, 1990
LEED Accreditation 2002
Health Care Facility Design Professional,
ASHRAE 2007

MEMBERSHIPS

**American Society of Heating, Refrigerating
and Air Conditioning Engineers (ASHRAE)**
American Society of Plumbing Engineers
(ASPE)
National Fire Protection Association (NFPA)
Collaborative for High Performance Schools
(CHPS)

Mr. Shwe has over 40 years of experience in the design and project management of HVAC, Plumbing and Fire Protection systems Institutional buildings in the education, medical and industrial sectors with the majority in the K-12 segment.

He has provided consulting services to the design unit of LAUSD in the following areas since 1999:

1. Establishment of mechanical system design guidelines.
2. The evaluation and enhancement of existing Specifications.
3. Peer review of Mechanical Design Documents.
4. Cost-benefit evaluation of sustainable and alternate design considerations.
5. Verification and clarification of Code interpretation.

Mr. Shwe is the Mechanical Engineer of Record . He is the Principal-in-Charge in the design and project management of heating, ventilating, air conditioning and plumbing systems for these projects:

Relevant Project Experience

Marshall Fundamental School New Gymnasium Complex, Pasadena, CA | Mechanical Engineer of Record

- HVAC and Plumbing Systems design and construction administration assistance for the 24,500 sf new Sports Complex that includes a Gymnasium with 3 full-size basketball courts, Team rooms, Restrooms, Storage, Classroom and Administrative offices.

Beverly Hills HS Modernization Package 3 Building B1/B2, Beverly Hills, CA | Mechanical Engineer of Record

- Designed the HVAC, Plumbing and Fire Protection Systems for the alterations to 3 Buildings: Building B1-Admin Office/Dance Studio, Building B2- Library/ Classroom, Building B2A-Office and Courtyard at Building B1. Beverly Hills High School Athletic Field is on an Oil Field.

Dorsey High School, Redevelopment, Los Angeles, CA | Mechanical Engineer of Record

- HVAC & Plumbing Systems Design and Construction Administration Assistance for the 22,000 sf New Gymnasium, a 28,000 sf New Ninth Grade Academy classroom building and the Renovation of the interior support spaces of the existing “large” gymnasium. The locker rooms, shower facilities and miscellaneous office and team rooms were renovated and repurposed for new gym uses such as dance/fitness classrooms, staff offices, team rooms, storage, etc., and various renovations and upgrades to the existing facilities that are triggered by the redevelopment. The New Gymnasium and the Academy Classroom Buildings are LEED Silver Certified.

Nick Ikker CPE, LEED GA
Senior Cost Estimator



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E nikker@ocmi.com

YEARS OF EXPERIENCE **20**

EDUCATION

B.S. Construction Technology University of Akron
Degree in Architecture and Engineering PMMF Pecs, Hungary

EXPERIENCE

2014–Present O'Connor Construction Management
2011–2013 Straub Construction, Inc.
2000–2011 EDGE Development, Inc.

PROFESSIONAL REGISTRATIONS

CPE
LEED GA

MEMBERSHIPS

American Society of Professional Estimators
Member

Nick Ikker is a resourceful pre-construction, structural, and senior estimator with expertise in all aspects of pre-construction activities on a wide variety of projects involving all types of contemporary contract deliveries.

He is results-driven and client-oriented, bringing effective people and technological skills. Nick is analytical and detail-oriented, with the ability to see the big picture. He brings over 20 years of broad knowledge and experience in the construction industry through his experience on the contractor, design, and construction management sides of the industry.

Relevant Project Experience

Los Angeles Unified School District, Los Angeles, CA | Senior Cost Estimator

- Cleveland High School
- Ivanhoe Elementary School, Portable Replacement Project

Long Beach Unified School District, Long Beach, CA | Senior Cost Estimator

- Jordan HS Whole Site Modernization
- Longfellow Elementary School HVAC Upgrade

Santa Monica-Malibu Unified School District, Santa Monica, CA | Senior Cost Estimator

- Santa Monica-Malibu USD: District Office and MOT Building
- Santa Monica-Malibu USD: Santa Monica High School Phase 3

San Bernardino City Unified School District, Santa Monica, CA | Senior Cost Estimator

- Professional Development Center
- SMART Building
- West Highland Admin Annex

Clark County School District, Las Vegas, NV | Senior Cost Estimator

- Addeliar D Guy III ES, HVAC & Roof Replacement
- Garside MS, Roof & HVAC Replacement
- Green Valley HS, Music Building
- Kelly ES Low Voltage Upgrade
- Kim ES, Mechanical Upgrade
- McCall ES, HVAC Assessment
- Wynn ES HVAC and Roof Replacement

5

Relevant K-12 Project
Experience and References



▲ Sandpiper Elementary School

Our mission at Arcadis IBI Group is not only to design the best learning environments possible, but to make sure that these designs are turned into reality.

05

Relevant Project Experience

We work hard to make this happen, partnering with clients from initial planning through project delivery and occupancy. Arcadis IBI Group is an experienced group of team leaders and design professionals. This team combines a recent history of similar K-12 education projects with quality project delivery the PUSD should expect from their design professionals. We have successfully created a variety of custom, tailor-made design solutions for our clients. These solutions and systems respond to the specific conditions, programmatic inputs and the character of the campus environment and surrounding community. Our common goal is to make the socio-academic experience the most rewarding learning experience possible through innovative program resolutions, supportive and involved community, dedicated staff and parents and facilities that not only house activities, but support and reinforce your educational efforts. On the following pages, we have highlighted a handful of similar projects in California demonstrating a few of our successes during the recent years.



Aurora Program Help School

PROJECT PROGRAM

The Aurora Program School Site houses one of the most challenging programs within Kern County Superintendent of Schools Division of Special Education.

The Aurora Program is designed for students with severe emotional and/or behavioral issues. The challenges faced in this program are such that they require a facility that not only includes all the factors found in a general education elementary school and middle school sites, but also an additional level of safety and security features, space for mental health services and crisis interventions, and a space for meetings/training with families and other agencies. The project also included providing shade canopies in play areas to protect kids from Bakersfield's harsh heat.

Project Type: New Construction, K-8

Project Location:

2201 Park Drive, Bakersfield, CA 93306

Beginning and End Dates:

August 2019 to June 2021

Square Footage: 41,043 sq. ft.

Notice of Completion Date: 12/01/2021

DSA Final Certification Date: 02/16/2022

Number of RFI's: 197

Number of Change Orders: 100

Total Change Order Amount: \$634,901.60

Original Budget: N/A

Bid Amount: \$25,207,219

Final Amount at Close-Out: \$27,674,962.98

(Includes \$1,832,842.38 CM Fees)

Key Team Members:

- Craig Atkinson, Project Director
- Richard Mello, Principal Architect
- Carlos Zaragosa, Designer/Draftsperson
- Saul Flores-Lopez, Draftsperson

Subconsultant Team:

- Civil - Porter & Associates
- Landscape Architect - Oasis Associates, Inc.
- Structural - SSG Structural Engineers LLP
- Mechanical - Baskin Mechanical Engineers
- Fire Protection - RLH Fire Protection, Inc.
- Electrical - Thoma Electric Company
- Acoustics - WJV Acoustics, Inc.
- Hardware - JRS Builders Hardware Consulting, Inc.

References:

Kern County Superintendent of Schools
George Carson

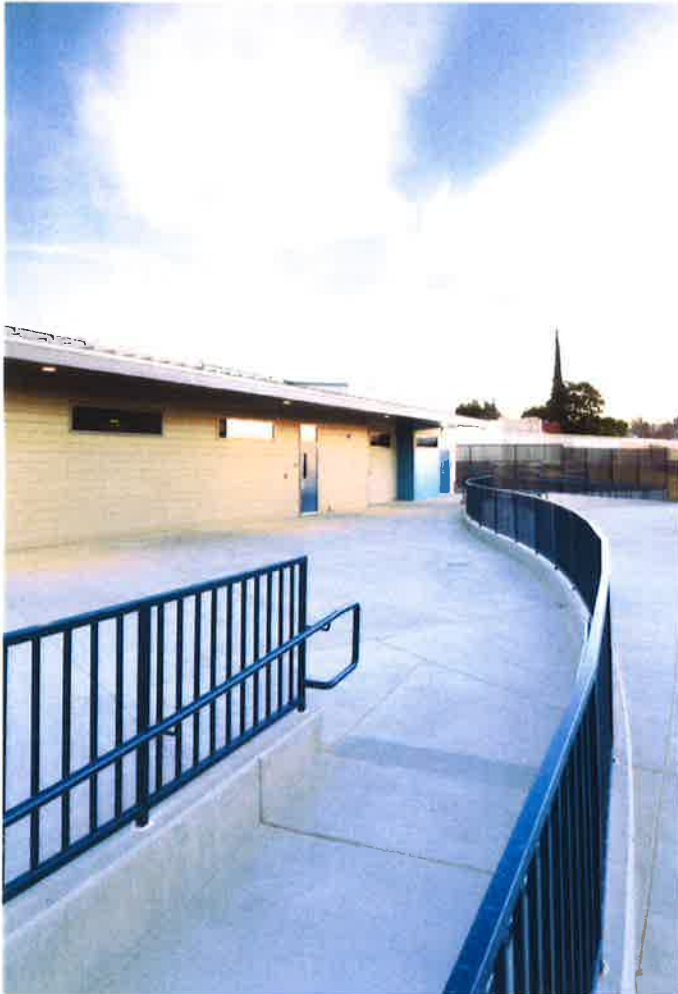
Facilities Support Operations Specialist

tel: 661-636-4895

mob: 661-703-3229

email: Gecarson@kern.org

Aurora Program Help School
BAKERSFIELD, CA





Owens Elementary School

Kindergarten Shade Structure

PROJECT PROGRAM

Installation of (2) Shade Structures inside a newly constructed Kindergarten Quad area for Owen's Elementary Kindergarten Facility. The newly installed shade structure will provide shelter for a newly constructed Kindergarten facility at a common quad/ playground area.

The full project consists of the conversion of Owens Primary School into an elementary school campus serving grades K-5. The refurbished campus will accommodate 980 students and will include new 2-story modular classrooms, modernization of existing classrooms, modernization of the multi-purpose room, a new administration/Media Center Building, and associated site work.

Project Type: New Construction

Project Location:

815 Potomac Ave., Bakersfield, CA 93307

Beginning and End Dates:

Completed September 1, 2021

Square Footage: 392 sq. ft. (Shade Structures Only)

Notice of Completion Date: 10/02/2021

DSA Final Certification Date: 01/19/2022 (#1 - Certification and Close of File)

Number of RFI's: 0

Number of Change Orders: 0

Total Change Order Amount: \$0

Original Budget: \$30,000

Bid Amount: \$29,602.98

Final Amount at Close-Out: \$29,602.98

Key Team Members:

- Richard Mello, Architect of Record | Principal/Designer
- Ruben Ruiz, Project Manager

Subconsultant Team:

- None

References:

Bakersfield City School District

Daniel Wastaferro

Assistant Director II; Maintenance, Operations & Facilities

tel: 661-631-5883

email: wastaferrod@bcsd.com

Owens Elementary School
BAKERSFIELD, CA





92nd Street Elementary School Comprehensive Modernization

PROJECT PROGRAM

92nd St. Elementary School, located in South Los Angeles, is a comprehensive modernization project for Los Angeles Unified School District. The project was a Design-Build competition, won by IBI Group's LA. office in partnership with Morillo Construction, Inc. in early 2020.

The goal of this project was to modernize the campus to meet the 21st century learning experience. The project scope included master planning and programming the new academic building. Modernization of existing permanent buildings on the campus included a voluntary seismic upgrade to the West Building, a historic brick structure built in 1939 that defines the campus aesthetic. The material and visual language of this existing building is carried across the campus and is incorporated into the design of the new 32,000 sq ft Steam Academy building, located at the center of the school.

The concept for the design and organization of the campus is a "Learner's Journey". The main organizing element for the campus is the central spine - the main circulation through the campus, starting north at 92nd Street and ending in the play area with a shade structure on the south end of the campus. The site development and the vertical surfaces of the buildings, including the existing murals, reinforce the concept.

Project Type: Modernization

Project Location:

9211 Grape Street, Los Angeles, CA 90002

Beginning and End Dates:

March 2020 to August 2024 (est.)

Square Footage: 82,700 sq. ft.

Notice of Completion Date: TBD

DSA Final Certification Date: Pending DSA Closeout

Number of RFI's: 65 (Current)

Number of Change Orders: 10 (Current)

Total Change Order Amount: TBD

Original Budget: \$55,000,000

Bid Amount: \$57,988,547

Final Amount at Close-Out: TBD

Key Team Members:

- Craig Atkinson, Project Director/Principal
- Thomas Moore, Project Architect
- Osleide Walker, Project Manager
- Isa Mattia, Job Captain
- Michael Wahl, Designer

Subconsultant Team:

- Civil - KPFF Consulting Engineers
- Landscape - Hongjoo Kim Landscape Architects
- Structural - KPFF Consulting Engineers
- Mechanical - Maroko & Shwe, Inc.
- Plumbing - Moroko & Shwe, Inc.
- Electrical - FBA Engineering
- Cost Consultant - Cumming
- Historic - Historic Resources Group

References:

Los Angeles Unified School District

Alix O'Brien

Deputy Director, Asset Management

tel: 213-241-4165

email: Alix.obrien@lausd.net

92nd Street Elementary School
LOS ANGELES, CA





Sandpiper Elementary School

Modernization, 2-Story Classroom Building and Kindergarten

PROJECT PROGRAM

Sandpiper Elementary was originally built as an all modular school with a “Cape Cod” theme. Over the years, the District has expanded the size of the school without making improvements to the administrative nor support structures.

In addition, due to immediate growth, the school required additional Kindergarten space on an expedited schedule. Working closely with District staff, Arcadis IBI Group developed concepts to expand the administrative space to include additional offices, enlarged reception, conference/meeting space, workroom, prep room, principal’s office, nurse’s office and restroom facilities. A separate more secure student entrance was also developed. Modular buildings were used to aid in the very tight schedule. The old structure and new administration modular building were incorporated under one new roof which was designed to reinforce the “Cape Code” theme. New Kindergarten and student/staff restroom facilities, athletic improvements and a new nautical designed canopy structure provide a fresh update to the existing campus.

Project Type: Modernization/Renovation

Project Location:

801 Redwood Shores Parkway

Redwood City, CA 94065

Beginning and End Dates: 2016 to 2018

Square Footage: 22,118 sq. ft.

Notice of Completion Date: N/A

DSA Final Certification Date:

Kindergarten/Classroom Bldgs - 05/30/2018

Modernization - 03/13/2019

Number of RFI's: 68

Number of Change Orders: 0

Total Change Order Amount: 0

Original Budget: \$8,300,000

Bid Amount: \$9,995,280

Final Amount at Close-Out: \$9,995,280

Key Team Members:

- Shari Gratke, Architect of Record
- Maria-Clara Mesa, Project Manager

Subconsultant Team:

- Civil – Brio Engineering
- Landscape – Tanaka Design Group
- Structural – Hohbach-Lewin, Inc.
- Mechanical – Axiom Engineers
- Electrical – American Consulting Engineers

References:

Belmont-Redwood Shores School District

Michael Milliken

Superintendent (at time of project)

tel: 650-620-2703

email: Mmilliken@brssd.org

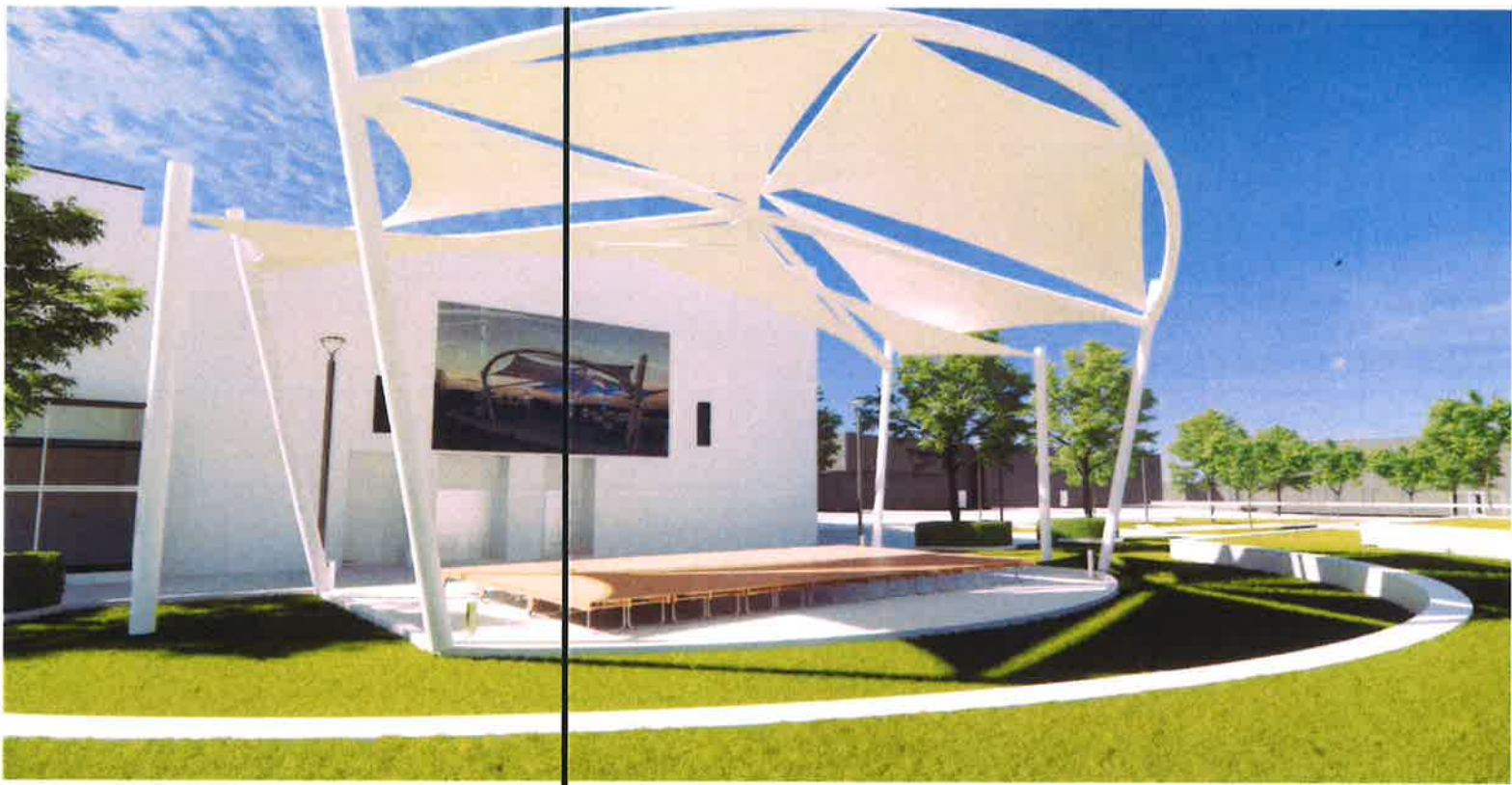


Sandpiper Elementary School
REDWOOD CITY, CA



6

Insurance



▲ Irvine Valley College Live Oak Terrace

06

Insurance

Amount of Liability Insurance Carried by the Firm: IBI Group, a California Partnership's insurance limits of liability are consistent with industry standards. We will review your project requirements as outlined in your Master Agreement and provide certificates of insurance at your request.

General Liability Insurance: IBI Group's insurance carrier is AON Risk Services Central Inc., in conjunction with the following Insurers: Liberty Mutual Insurance Co.; Twin City Fire Insurance Company and Beazley Insurance Co. IBI Group maintains not less than \$2,000,000 for a Combined Single Limits Comprehensive Commercial/General Liability policy covering Personal Injury Liability, Property Damage Liability, Contractual Liability, and Automobile Liability. We cover not less than \$4,000,000 in General Aggregate.

Workers Compensation Liability Insurance: IBI Group carries \$1,000,000 in statutory Workers Compensation coverage.

Professional Liability (Errors and Omissions) Insurance: IBI Group maintains professional liability insurance coverage for not less than \$2,000,000 and \$2,000,000 in General Aggregate.



CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
11/04/2022

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 Aon Risk Services Central, Inc. Minneapolis MN Office 5600 West 83rd Street 8200 Tower, Suite 1100 Minneapolis MN 55437 USA	CONTACT NAME:	
	PHONE (A/C, No. Ext): (866) 283-7122	FAX (A/C, No.): (800) 363-0105
E-MAIL ADDRESS:		
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURED IBI Group, a California Partnership 537 South Broadway Suite 500 Los Angeles CA 90013 USA	INSURER A:	Liberty Mutual Insurance Co. 23043
	INSURER B:	Twin City Fire Insurance Company 29459
	INSURER C:	Beazley Insurance Company, Inc. 37540
	INSURER D:	
	INSURER E:	
	INSURER F:	

Holder Identifier:

COVERAGES CERTIFICATE NUMBER: 570096386414 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 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:			TB1871171213022	04/30/2022	04/30/2023	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$2,000,000 MED EXP (Any one person) \$2,500 PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$5,000,000 PRODUCTS - COMP/OP AGG \$2,000,000
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> Hired Auto <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY <input checked="" type="checkbox"/> Non-Owned Auto			AS1-B71-171213-012	04/30/2022	04/30/2023	COMBINED SINGLE LIMIT (Ea accident) \$2,000,000 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			100025514406 SIR applies per policy terms & conditions	04/30/2022	04/30/2023	EACH OCCURRENCE \$2,000,000 AGGREGATE \$2,000,000
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	N/A	41WEOL6H78	04/30/2022	04/30/2023	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE-EA EMPLOYEE \$1,000,000 E.L. DISEASE-POLICY LIMIT \$1,000,000
C	E&O-PL-Primary			V1F72F220601 Claims Made	05/01/2022	04/30/2023	Per Claim Limit \$1,000,000 Aggregate Limit \$2,000,000

Certificate No : 570096386414

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

As respects to policies, General Liability, Auto Liability and Umbrella Liability; Aon Risk Solutions (U.S.) is generating and distributing this certificate in an administrative capacity. Aon Reed Stenhouse Inc. Toronto, Ontario Canada is the broker for the defined policies. Evidence of Insurance.

CERTIFICATE HOLDER

CANCELLATION

IBI Group, A California Partnership
537 South Broadway, Suite 500
Los Angeles CA 90013 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

Aon Risk Services Central, Inc.

7

Level of Effort
Man Power Plan
by Discipline



▲ Grant High School Comprehensive Modernization

07

Level of Effort Man Hour Plan

Based on the defined scope in the RFP for SHADE STRUCTURE PROGRAM – PHASE I (RFP) No. 02-22/23, we have developed the level of Effort man hour plan required to complete the required scope for each campus site per discipline. Please see level of effort sheets for each campus site on the following pages.

**PASADENA USD
WASHINGTON
ELEMENTARY SCHOOL
DETAILED LOE
PROPOSAL SHEET
NOV. 22, 2022**

	Prime Consultant - Architecture Arcadis IBI Group						Civil Engineer - KPF				Plumbing - Maroko & Shwe		Cost Estimating - OCMI			TOTAL
	PRINCIPAL ARCHITECT Craig Atkinson Principal in Charge	PROJECT MANAGER Jenni Kanani Project Manager	PROJECT ARCHITECT Isabella Matia Architect	TECHNICAL SUPPORT TBD Technical Support	QA/QC/CA Dany Chou Construction Administration	ARCHITECTURAL SUPPORT Linda Iverson Administrative Assistant	PRINCIPAL IN CHARGE Jeff Gavazzo Principal	PROJECT MANAGER Kevin Ellis Project Manager	PROJECT ENGINEER Emilia Vasquez Project Engineer	CAD OPERATOR Jenshan Anaya BIM Coordinator	ENGINEER Sandra Chu Project Engineer	ENGINEER Mark Ros Engineering Assistant	SR. COST ESTIMATOR TBD Estimate PM and POC	COST ESTIMATOR II TBD Estimator	COST ESTIMATOR I Quantity Surveyor	
SCHEMATIC DESIGN	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Project Management	0.5	1.0				1.0										
Kick-Off Meeting		0.5	1.0				1.0	1.0			1.0					
Site Visit		1.0	4.0					2.0	2.0		2.0					
Database Site Information			2.0	16.0					1.0	2.0	1.0					
BIM 360 Setup			1.0	2.0						2.0		1.0				
Existing Information Review + Report		4.0	8.0	8.0					1.0		2.0					
Topographic Survey		1.0	1.0					1.0	1.0							
Schematic Design		1.0	2.0	6.0				2.0	6.0	2.0	1.0					
Coordination		1.0	4.0					1.0	2.0		1.0					
Bi-Weekly Design Meetings		2.0	2.0					2.0	2.0		2.0					
SCHEMATIC DESIGN SUBTOTAL HOURS	0.5	11.5	25.0	33.0	0.0	1.0	1.0	9.0	19.0	6.0	10.0	1.0	0.0	0.0	0.0	112.0
DESIGN DEVELOPMENT	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
DSA - Pre App Meeting per IRI A11		1.0	2.0													
Design Development Documents - Increment 1		2.0	2.0	16.0												
Specifications - Increment 1		1.0	2.0	2.0		1.0										
Design Development Documents - Increment 2		1.0	2.0	20.0			1.0	4.0	8.0	8.0	2.0	6.0				
Specifications - Increment 2		1.0	2.0	8.0		4.0			2.0		2.0	6.0				
Coordination		1.0	1.0	2.0				2.0	4.0							
Bi-Weekly Design Meetings		2.0	2.0					2.0	2.0							
DESIGN DEVELOPMENT SUBTOTAL HOURS	0.0	9.0	13.0	46.0	0.0	5.0	1.0	8.0	18.0	8.0	4.0	12.0	0.0	0.0	0.0	122.0
CONSTRUCTION DOCUMENTS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Construction Documents - Increment 1		1.0	2.0	12.0												
Specifications - Increment 1		1.0	4.0			1.0										
Construction Documents - Increment 2		1.0	2.0	26.0			2.0	4.0	16.0	8.0	2.0	6.0				
Specifications - Increment 2		2.0	18.0	16.0		8.0			2.0		2.0	6.0				
QA/QC Review					12.0		2.0	2.0	2.0		3.0					
Coordination		2.0	4.0	4.0				4.0	18.0		2.0					
100 Cost Estimate		1.0	1.0					1.0					1.0	1.0	3.0	
Bi-Weekly Design Meetings		2.0	2.0													
CONSTRUCTION DOCUMENTS SUBTOTAL HOURS	0.0	10.0	25.0	58.0	12.0	9.0	4.0	11.0	32.0	8.0	8.0	12.0	1.0	4.0	3.0	167.0

**PASADENA USD
WASHINGTON
ELEMENTARY SCHOOL
DETAILED LOE
PROPOSAL SHEET**

NOV. 22, 2022

	Prime Consultant - Architecture Arcadis IBI Group						Civil Engineering KPEF				Plumbing - Maroko & Shwe		Cost Estimating - OCMI			TOTAL
	PRINCIPAL ARCHITECT Craig Atkinson Principal in Charge	PROJECT MANAGER Janwil Kanani Project Manager	PROJECT ARCHITECT Isabella Matthe Architect	TECHNICAL SUPPORT TBD Technical Support	QA/QC/CA Danny Chhan Construction Administration	ARCHITECTURAL SUPPORT Linda Iverson Administrative Assistant	PRINCIPAL IN CHARGE Jeff Govezza Principal	PROJECT MANAGER Kevin Ellis Project Manager	PROJECT ENGINEER Emelina Vazquez Project Engineer	CAD OPERATOR Jareden Anaya BIM Coordinator	ENGINEER Sandra Chu Project Engineer	ENGINEER Mark Ros Engineering Assistant	SR. COST ESTIMATOR TBD Estimate PM and POC	COST ESTIMATOR II TBD Estimator	COST ESTIMATOR I Quantity Surveyor	
AGENCY APPROVAL	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
DSA Processing		2.0	6.0								1.0					
Plan/Spec Updates as Required for Approval	1.0	1.0	6.0	12.0		4.0		1.0	6.0	4.0	2.0					
AGENCY APPROVAL SUBTOTAL HOURS	1.0	3.0	14.0	12.0	0.0	4.0	0.0	1.0	6.0	4.0	3.0	0.0	0.0	0.0	0.0	48.0
BID SUPPORT	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Pre-Bid Meeting Attendance			2.0		2.0			1.0	1.0							
Respond to RFIs - RFC's			12.0	4.0	2.0	4.0		1.0	2.0		2.0					
Bid Phase Clarifications (Addenda)			2.0	10.0	2.0	4.0		1.0	2.0	2.0	1.0					
BID SUPPORT SUBTOTAL HOURS	0.0	0.0	16.0	14.0	6.0	8.0	0.0	3.0	5.0	2.0	3.0	0.0	0.0	0.0	0.0	57.0
CONSTRUCTION ADMINISTRATION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Preconstruction Meeting			1.0		1.0			1.0	1.0							
Project Progress Meetings (9 Meetings)			14.0		7.0											
Submittal Review			4.0	12.0	2.0	4.0		1.0	4.0		3.0					
RFI/RFC Reviews			24.0	16.0	8.0		1.0	2.0	6.0	2.0	3.0					
Construction Clarifications (Change Directives, Supplemental Instructions)			8.0		4.0											
CONSTRUCTION ADMINISTRATION SUBTOTAL HOURS	0.0	0.0	51.0	28.0	22.0	8.0	1.0	4.0	11.0	2.0	6.0	0.0	0.0	0.0	0.0	133.0
PROJECT CLOSEOUT	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
DSA Closeout			4.0			8.0										
Record Drawings			4.0	4.0					2.0	2.0		2.0				
PROJECT CLOSEOUT SUBTOTAL HOURS	0.0	0.0	8.0	8.0	0.0	8.0	0.0	0.0	2.0	2.0	0.0	2.0	0.0	0.0	0.0	30.0
TOTAL COMBINED HOURS	1.5	33.5	152.0	198.0	40.0	43.0	7.0	35.0	87.0	32.0	34.0	27.0	1.0	4.0	3.0	669.0

PASADENA USD MADISON ELEMENTARY SCHOOL DETAILED LOE PROPOSAL SHEET NOV. 22, 2022	Prime Consultant - Architecture Arcadis IBI Group						Civil Engineer - KPFF				Plumbing - Maroko & Shwartz		Cost Estimating - OCMI			TOTAL
	PRINCIPAL ARCHITECT Craig Atkinson Principal in Charge	PROJECT MANAGER Janvi Kanani Project Manager	PROJECT ARCHITECT Isabella Matilla Architect	TECHNICAL SUPPORT TBD Technical Support	QA/QC/CA Denny Chhan Construction Administration	ARCHITECTURAL SUPPORT Linda Iverson Administrative Assistant	PRINCIPAL IN CHARGE Jeff Garza Principal	PROJECT MANAGER Kevin Ellis Project Manager	PROJECT ENGINEER Emilia Vasquez Project Engineer	CAD OPERATOR Joseph Araya BIM Coordinator	ENGINEER Sandra Chu Project Engineer	ENGINEER Mark Ros Engineering Assistant	SR. COST ESTIMATOR TBD Estimate PM and POC	COST ESTIMATOR II TBD Estimator	COST ESTIMATOR I Quantity Surveyor	
SCHEMATIC DESIGN	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Project Management	0.5	1.0				1.0										
Kick-Off Meeting		0.5	1.0				1.0	1.0			1.0					
Site Visit		1.0	4.0					2.0	2.0		2.0					
Database Site Information			2.0	16.0					1.0	2.0	1.0					
BIM 360 Setup			1.0	2.0						2.0		1.0				
Existing Information Review + Report		4.0	8.0	3.0					1.0		1.0					
Topographic Survey		1.0	1.0					1.0	1.0							
Schematic Design		2.0	4.0	2.0				2.0	6.0	2.0	1.0					
Coordination		1.0	4.0					1.0	2.0		1.0					
Bi-Weekly Design Meetings		1.0	1.0					2.0	2.0		1.0					
SCHEMATIC DESIGN SUBTOTAL HOURS	0.5	11.5	26.0	28.0	0.0	1.0	1.0	9.0	16.0	6.0	6.0	1.0	0.0	0.0	0.0	107.0
DESIGN DEVELOPMENT	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
DSA - Pre App Meeting w/ R.A11		1.0	2.0													
Design Development Documents - Increment 1		2.0	2.0	8.0												
Specifications - Increment 1		1.0	2.0	2.0		1.0										
Design Development Documents - Increment 2		1.0	2.0	24.0			1.0	4.0	8.0	8.0	2.0	8.0				
Specifications - Increment 2		1.0	2.0	8.0		4.0			2.0		2.0	8.0				
Coordination		1.0	2.0	2.0				2.0	4.0							
Bi-Weekly Design Meetings		2.0	2.0					2.0	2.0							
DESIGN DEVELOPMENT SUBTOTAL HOURS	0.0	9.0	16.0	44.0	0.0	5.0	1.0	8.0	16.0	8.0	4.0	16.0	0.0	0.0	0.0	125.0
CONSTRUCTION DOCUMENTS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Construction Documents - Increment 1		1.0	2.0	12.0												
Specifications - Increment 1		1.0	4.0			1.0										
Construction Documents - Increment 2		1.0	4.0	28.0			2.0	1.0	16.0	8.0	2.0	8.0				
Specifications - Increment 2		2.0	6.0	16.0		8.0			2.0		2.0	9.0				
QA/QC Review					12.0		2.0	2.0	2.0		2.0					
Coordination		2.0	4.0	4.0				4.0	12.0		2.0					
CD Cost Estimate		1.0	1.0					1.0					1.0	1.0	3.0	
Bi-Weekly Design Meetings		2.0	2.0													
CONSTRUCTION DOCUMENTS SUBTOTAL HOURS	0.0	10.0	25.0	60.0	12.0	9.0	4.0	11.0	32.0	8.0	6.0	16.0	1.0	4.0	3.0	203.0

**PASADENA USD
MADISON
ELEMENTARY SCHOOL
DETAILED LOE
PROPOSAL SHEET
NOV. 22, 2022**

PASADENA USD MADISON ELEMENTARY SCHOOL DETAILED LOE PROPOSAL SHEET NOV. 22, 2022	Prime Consultant - Architecture Arcadis BI Group						Civil Engineer - KPFF				Plumbing - Maroko & Shwe		Cost Estimating - OCMI			TOTAL
	PRINCIPAL ARCHITECT Craig Atkinson Principal in Charge	PROJECT MANAGER Janvi Kanani Project Manager	PROJECT ARCHITECT Isabella Matia Architect	TECHNICAL SUPPORT TBD Technical Support	QA/QC/CA Danny Chhan Construction Administration	ARCHITECTURAL SUPPORT Linda Iverson Administrative Assistant	PRINCIPAL IN CHARGE Jeff Gaezza Principal	PROJECT MANAGER Kevin Ellis Project Manager	PROJECT ENGINEER Emelisa Vasquez Project Engineer	CAD OPERATOR Jonathan Amaya BIM Coordinator	ENGINEER Sandra Chu Project Engineer	ENGINEER Mark Ros Engineering Assistant	SR. COST ESTIMATOR TBD Estimate PM and POC	COST ESTIMATOR II TBD Estimator	COST ESTIMATOR I Quantity Surveyor	
AGENCY APPROVAL	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS
DSA Processing		2.0	6.0								1.0					
Plan/Spec Updates as Required for Approval	1.0	1.0	8.0	12.0		4.0		1.0	6.0	4.0	2.0					
AGENCY APPROVAL SUBTOTAL HOURS	1.0	3.0	14.0	12.0	0.0	4.0	0.0	1.0	6.0	4.0	3.0	0.0	0.0	0.0	0.0	48.0
BID SUPPORT	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS
Pre-Bid Meeting Attendance			2.0		2.0			1.0	1.0							
Respond to RFIs + RFC's			12.0	4.0	2.0	4.0		1.0	2.0		2.0					
Bid Phase Clarifications (Addenda)			2.0	10.0	2.0	4.0		1.0	2.0	2.0	1.0					
BID SUPPORT SUBTOTAL HOURS	0.0	0.0	16.0	14.0	8.0	8.0	0.0	3.0	5.0	2.0	3.0	0.0	0.0	0.0	0.0	57.0
CONSTRUCTION ADMINISTRATION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS
Preconstruction Meeting			1.0		1.0			1.0	1.0							
Project Progress Meetings (8 Meetings)			14.0		7.0											
Submittal Review			4.0	6.0	2.0	2.0		1.0	4.0		6.0					
RFI-RFC Reviews			24.0	16.0	8.0	4.0	1.0	2.0	6.0	2.0	3.0					
Construction Clarifications (Change Directives, Supplemental Instructions)			8.0		2.0	4.0										
CONSTRUCTION ADMINISTRATION SUBTOTAL HOURS	0.0	0.0	51.0	24.0	22.0	10.0	1.0	4.0	11.0	2.0	12.0	0.0	0.0	0.0	0.0	137.0
PROJECT CLOSEOUT	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS
DSA Closeout			4.0			8.0			2.0	2.0		2.0				
Record Drawings			4.0	8.0					2.0	2.0		2.0				
PROJECT CLOSEOUT SUBTOTAL HOURS	0.0	0.0	8.0	8.0	0.0	8.0	0.0	0.0	4.0	4.0	0.0	4.0	0.0	0.0	0.0	36.0
TOTAL COMBINED HOURS	1.0	33.5	154.0	100.0	40.0	45.0	7.0	38.0	89.0	34.0	38.0	37.0	1.0	4.0	3.0	707.5

PASADENA USD MCKINLEY ELEMENTARY SCHOOL DETAILED LOE PROPOSAL SHEET NOV. 22, 2022	Prime Consultant - Architecture Arcadis IBI Group						Civil Engineer - KPFF				Plumbing - Maroko & Shwe		Cost Estimating - OCMI			TOTAL
	PRINCIPAL ARCHITECT Craig Atkinson Principal in Charge	PROJECT MANAGER Janvi Kanani Project Manager	PROJECT ARCHITECT Isabella Matija Architect	TECHNICAL SUPPORT TBD Technical Support	QA/QC/CA Denny Chan Construction Administration	ARCHITECTURAL SUPPORT Linda Iverson Administrative Assistant	PRINCIPAL IN CHARGE Jeff Gawaza Principal	PROJECT MANAGER Kevin Ellis Project Manager	PROJECT ENGINEER Emilia Vasquez Project Engineer	CAD OPERATOR Jonathan Amayo BIM Coordinator	ENGINEER Sandra Chiu Project Engineer	ENGINEER Mark Ros Engineering Assistant	SR. COST ESTIMATOR TBD Estimate PM and POC	COST ESTIMATOR II TBD Estimator	COST ESTIMATOR I Quantity Surveyor	
Project Management	0.5	1.0				1.0										
Kick-Off Meeting		0.5	1.0				1.0	1.0			1.0					
Site Visit		1.0	4.0					2.0	2.0		2.0					
Database Site Information			1.0	16.0				1.0	2.0		1.0					
BIM 360 Setup			1.0	2.0					2.0			1.0				
Existing Information Review + Report		2.0	4.0	12.0				1.0			2.0					
Topographic Survey		1.0	1.0					1.0	1.0							
Schematic Design		1.0	1.0	8.0				1.0	8.0	2.0	1.0					
Coordination		1.0	1.0	2.0				2.0			1.0					
Bi-Weekly Design Meetings		2.0	2.0					2.0			2.0					
SCHEMATIC DESIGN SUBTOTAL HOURS	0.5	9.5	18.0	40.0	0.0	1.0	1.0	4.0	17.0	7.0	10.0	1.0	0.0	0.0	0.0	107.0
DESIGN DEVELOPMENT	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
DSA - Pre App Meeting per IR A11		1.0	2.0													
Design Development Documents - Increment 1		2.0	2.0	14.0												
Specifications - Increment 1		1.0	2.0	2.0		2.0										
Design Development Documents - Increment 2		1.0	2.0	22.0			1.0	2.0	8.0	6.0	2.0	6.0				
Specifications - Increment 2		1.0	2.0	6.0		4.0		2.0			2.0	6.0				
Coordination		1.0	1.0	2.0				2.0	4.0							
Bi-Weekly Design Meetings		2.0	2.0					2.0	2.0							
DESIGN DEVELOPMENT SUBTOTAL HOURS	0.0	9.0	13.0	48.0	0.0	8.0	1.0	6.0	18.0	8.0	4.0	12.0	0.0	0.0	0.0	119.0
CONSTRUCTION DOCUMENTS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Construction Documents - Increment 1		1.0	2.0	12.0												
Specifications - Increment 1		1.0	1.0	3.0		1.0										
Construction Documents - Increment 2		2.0	8.0	18.0			2.0	4.0	16.0	8.0	2.0	6.0				
Specifications - Increment 2		2.0	6.0	29.0		8.0			3.0		2.0	6.0				
QA/QC Review					12.0		2.0	2.0	2.0		2.0					
Coordination		2.0	2.0	6.0				4.0	6.0		2.0					
CD Cost Estimate		1.0	1.0					1.0					1.0	4.0	3.0	
Bi-Weekly Design Meetings		4.0	4.0													
CONSTRUCTION DOCUMENTS SUBTOTAL HOURS	0.0	13.0	24.0	59.0	12.0	8.0	4.0	11.0	28.0	8.0	8.0	12.0	1.0	4.0	3.0	186.0

PASADENA USD MCKINLEY ELEMENTARY SCHOOL DETAILED LOE PROPOSAL SHEET NOV. 22, 2022	Prime Consultant - Architecture Arcadis IBI Group						Civil Engineer - KPFF				Plumbing - Maroko & Shwe		Cost Estimating - OCMI			TOTAL
	PRINCIPAL ARCHITECT Craig Atkinson Principal in Charge	PROJECT MANAGER Janvi Kanani Project Manager	PROJECT ARCHITECT Isabella Mattila Architect	TECHNICAL SUPPORT TBD Technical Support	QA/QC/CA Denny Chien Construction Administration	ARCHITECTURAL SUPPORT Linda Iverson Administrative Assistant	PRINCIPAL IN CHARGE Jeff Gwazza Principal	PROJECT MANAGER Kevin Ellis Project Manager	PROJECT ENGINEER Emelisa Vasquez Project Engineer	CAD OPERATOR Jonathan Anaya BIM Coordinator	ENGINEER Sandra Chu Project Engineer	ENGINEER Mark Ros Engineering Assistant	SR. COST ESTIMATOR TBD Estimate PM and POC	COST ESTIMATOR II TBD Estimator	COST ESTIMATOR I Quantity Surveyor	
AGENCY APPROVAL	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
DSA Processing		2.0	5.0								1.0					
Plan/Spec Updates as Required for Approval	1.0	1.0	5.0	12.0		4.0		1.0	5.0	4.0	2.0					
AGENCY APPROVAL SUBTOTAL HOURS	1.0	3.0	14.0	12.0	0.0	4.0	0.0	1.0	5.0	4.0	3.0	0.0	0.0	0.0	0.0	48.0
BID SUPPORT	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Pre-Bid Meeting Attendance			2.0		2.0			1.0	1.0							
Respond to RFIs - RFC's			12.0	4.0	2.0	4.0		1.0	2.0		2.0					
Site Phase Clarifications (Addenda)			2.0	10.0	2.0	4.0			2.0	2.0	1.0					
BID SUPPORT SUBTOTAL HOURS	0.0	0.0	16.0	14.0	6.0	8.0	0.0	2.0	5.0	2.0	3.0	0.0	0.0	0.0	0.0	56.0
CONSTRUCTION ADMINISTRATION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Preconstruction Meeting			1.0		1.0			1.0	1.0							
Project Progress Meetings (9 Meetings)			14.0		7.0	2.0										
Submittal Review			4.0	12.0	2.0	4.0		1.0	4.0		3.0					
RFI-RFC Reviews			24.0	16.0	4.0		1.0	1.0	5.0	2.0	3.0					
Construction Clarifications (Change Directives, Supplemental Instructions)			8.0		1.0	4.0										
CONSTRUCTION ADMINISTRATION SUBTOTAL HOURS	0.0	0.0	51.0	28.0	16.0	10.0	1.0	3.0	11.0	2.0	6.0	0.0	0.0	0.0	0.0	130.0
PROJECT CLOSEOUT	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
DSA Closeout			4.0			8.0						2.0				
Record Drawings			4.0	3.0					1.0	2.0		2.0				
PROJECT CLOSEOUT SUBTOTAL HOURS	0.0	0.0	8.0	3.0	0.0	8.0	0.0	0.0	1.0	2.0	0.0	4.0	0.0	0.0	0.0	31.0
TOTAL COMBINED HOURS	1.5	34.5	142.0	207.0	36.0	46.0	7.0	27.0	84.0	31.0	34.0	29.0	1.0	4.0	3.0	687.5

PASADENA USD
NORMA COOMBS
ELEMENTARY SCHOOL
DETAILED LOE
PROPOSAL SHEET
NOV. 22, 2022

	Prime Consultant - Architecture Arcadis IBI Group						Civil Engineer - KPFF				Cost Estimating - OCMI			TOTAL
	PRINCIPAL ARCHITECT Craig Atkinson Principal in Charge	PROJECT MANAGER Janet Kunani Project Manager	PROJECT ARCHITECT Isabella Mattia Architect	TECHNICAL SUPPORT TBD Technical Support	QA/QC/CA Danny Chihai Construction Administration	ARCHITECTURAL SUPPORT Linda Iverson Administrative Assistant	PRINCIPAL IN CHARGE Jeff Gwazza Principal	PROJECT MANAGER Kevin Ellis Project Manager	PROJECT ENGINEER Emilia Vasquez Project Engineer	CAD OPERATOR Jonathan Amoya BIM Coordinator	SR. COST ESTIMATOR TBD Estimate PM and POC	COST ESTIMATOR II TBD Estimator	COST ESTIMATOR I Quantity Surveyor	
SCHEMATIC DESIGN	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Project Management	0.5	1.0				1.0								
Kick-Off Meeting		0.5	1.0				1.0	1.0						
Site Visit		1.0	1.0					2.0	2.0					
Database Site Information			2.0	15.0						2.0				
BIM 360 Setup			1.0	2.0						3.0				
Existing Information Review + Report		2.0	3.0	12.0					1.0					
Topographic Survey		1.0	1.0						1.0					
Schematic Design		1.0	2.0	6.0				1.0	4.0	2.0				
Coordination		1.0	2.0	2.0					2.0					
Bi-Weekly Design Meetings		2.0	2.0					2.0	1.0					
SCHEMATIC DESIGN SUBTOTAL HOURS	0.5	9.5	21.0	39.0	0.0	1.0	1.0	6.0	11.0	6.0	0.0	0.0	0.0	94.0
DESIGN DEVELOPMENT	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
DSA - Pre App Meeting per IR All		1.0	2.0											
Design Development Documents - Increment 1		2.0	2.0	18.0										
Specifications - Increment 1		1.0	2.0	2.0		1.0								
Design Development Documents - Increment 2		2.0	2.0	22.0			1.0	2.0	6.0	6.0				
Specifications - Increment 2		1.0	2.0	6.0		4.0			1.0					
Coordination		1.0	1.0	3.0				2.0	4.0					
Bi-Weekly Design Meetings		2.0	2.0					2.0	2.0					
DESIGN DEVELOPMENT SUBTOTAL HOURS	0.0	10.0	13.0	51.0	0.0	5.0	1.0	6.0	13.0	6.0	0.0	0.0	0.0	105.0
CONSTRUCTION DOCUMENTS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Construction Documents - Increment 1		1.0	2.0	19.0										
Specifications - Increment 1		1.0	4.0			1.0								
Construction Documents - Increment 2		1.0	2.0	26.0			1.0	4.0	12.0	8.0				
Specifications - Increment 2		2.0	8.0	16.0		8.0			2.0					
QA/QC Review					12.0		1.0	2.0	2.0					
Coordination		2.0	2.0	4.0				2.0	5.0					
CD Cost Estimate		1.0	1.0					1.0			1.0	4.0	3.0	
Bi-Weekly Design Meetings		2.0	2.0											
CONSTRUCTION DOCUMENTS SUBTOTAL HOURS	0.0	10.0	21.0	58.0	12.0	9.0	2.0	9.0	24.0	6.0	1.0	4.0	3.0	159.0

PASADENA USD
NORMA COOMBS
ELEMENTARY SCHOOL
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	Prime Consultant - Architecture Arcadis IBI Group						Civil Engineer - KPFF				Cost Estimating - OCMI			TOTAL
	PRINCIPAL ARCHITECT Craig Atkinson Principal in Charge	PROJECT MANAGER Janvi Kanani Project Manager	PROJECT ARCHITECT Isabella Mathia Architect	TECHNICAL SUPPORT TBD Technical Support	QA/QC/CA Danny Chhan Construction Administration	ARCHITECTURAL SUPPORT Linda Iverson Administrative Assistant	PRINCIPAL IN CHARGE Jeff Gawazza Principal	PROJECT MANAGER Kevin Ellis Project Manager	PROJECT ENGINEER Emilia Vasquez Project Engineer	CAD OPERATOR Jonathan Amaya BIM Coordinator	SR. COST ESTIMATOR TBD Estimate PM and POC	COST ESTIMATOR II TBD Estimator	COST ESTIMATOR I Quantity Surveyor	
AGENCY APPROVAL	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
DSA Processing		2.0	8.0											
Plan/Spec Updates as Required for Approval	1.0	1.0	8.0	12.0		4.0		1.0	6.0	4.0				
AGENCY APPROVAL SUBTOTAL HOURS	1.0	3.0	14.0	12.0	0.0	4.0	0.0	1.0	6.0	4.0	0.0	0.0	0.0	45.0
BID SUPPORT	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Pre-Bid Meeting Attendance		2.0	2.0					1.0	1.0					
Respond to RFIs - RFC's		2.0	12.0	4.0		4.0			2.0					
3rd Phase Clarifications (Addenda)		1.0	9.0			4.0			1.0	2.0				
BID SUPPORT SUBTOTAL HOURS	0.0	5.0	22.0	4.0	0.0	8.0	0.0	1.0	4.0	2.0	0.0	0.0	0.0	48.0
CONSTRUCTION ADMINISTRATION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Preconstruction Meeting			2.0		1.0			1.0	1.0					
Project Progress Meetings (9 Meetings)			14.0		7.0									
Submittal Review			4.0	6.0	2.0	2.0		1.0	4.0					
RFI-RFC Reviews			16.0	24.0	8.0		1.0	1.0	4.0	2.0				
Construction Clarifications (Change Directives, Supplemental Instructions)			8.0		4.0	4.0								
CONSTRUCTION ADMINISTRATION SUBTOTAL HOURS	0.0	0.0	44.0	34.0	22.0	6.0	1.0	3.0	9.0	2.0	0.0	0.0	0.0	117.0
PROJECT CLOSEOUT	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
DSA Closeout			4.0			6.0			1.0	2.0				
Record Drawings			1.0	3.0					1.0	2.0				
PROJECT CLOSEOUT SUBTOTAL HOURS	0.0	0.0	5.0	3.0	0.0	6.0	0.0	0.0	2.0	4.0	0.0	0.0	0.0	30.0
TOTAL COMBINED HOURS	1.5	37.5	143.0	201.0	34.0	41.0	6.0	26.0	69.0	30.0	1.0	4.0	3.0	598.5

**PASADENA USD
HAMILTON
ELEMENTARY SCHOOL
DETAILED LOE
PROPOSAL SHEET**

NOV. 22, 2022

	Prime Consultant - Architecture Arcadis IBI Group						Civil Engineer - KPF				Cost Estimating - OCMI			TOTAL
	PRINCIPAL ARCHITECT Craig Atkinson Principal in Charge	PROJECT MANAGER Jawid Kanani Project Manager	PROJECT ARCHITECT Isabella Matia Architect	TECHNICAL SUPPORT TBD Technical Support	QA/QC/CA Dany Chien Construction Administration	ARCHITECTURAL SUPPORT Linda Iverson Administrative Assistant	PRINCIPAL IN CHARGE Jeff Gavazza Principal	PROJECT MANAGER Kevin Ellis Project Manager	PROJECT ENGINEER Emilia Vasquez Project Engineer	CAD OPERATOR Jonathan Amoye BIM Coordinator	SR. COST ESTIMATOR TBD Estimate PM and POC	COST ESTIMATOR II TBD Estimator	COST ESTIMATOR I Quantity Surveyor	
SCHEMATIC DESIGN	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Project Management	0.5	1.0				1.0								
Kick-Off Meeting		0.5	1.0				1.0	1.0						
Site Visit		1.0	4.0					2.0	2.0					
Database Site Information			2.0	16.0						2.0				
BIM 360 Setup			1.0	2.0						2.0				
Existing Information Review + Report		2.0	4.0	12.0					1.0					
Topographic Survey		1.0	1.0						1.0					
Schematic Design		1.0	2.0	4.0				1.0	4.0	2.0				
Coordination		1.0	1.0	3.0					2.0					
Bi-Weekly Design Meetings		1.0	2.0					2.0	1.0					
SCHEMATIC DESIGN SUBTOTAL HOURS	0.5	8.5	18.0	37.0	0.0	1.0	1.0	6.0	11.0	6.0	0.0	0.0	0.0	89.0
DESIGN DEVELOPMENT	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
DSA - Pre App Meeting per IR A11		1.0	1.0											
Design Development Documents - Increment 1		1.0	2.0	16.0										
Specifications - Increment 1		1.0	2.0	2.0		1.0								
Design Development Documents - Increment 2		1.0	2.0	20.0			1.0	2.0	6.0	6.0				
Specifications - Increment 2		1.0	2.0	6.0		4.0			1.0					
Coordination		1.0	1.0	3.0				2.0	4.0					
Bi-Weekly Design Meetings		1.0	1.0					2.0	2.0					
DESIGN DEVELOPMENT SUBTOTAL HOURS	0.0	7.0	11.0	47.0	0.0	5.0	1.0	2.0	13.0	6.0	0.0	0.0	0.0	96.0
CONSTRUCTION DOCUMENTS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Construction Documents - Increment 1		1.0	2.0	12.0										
Specifications - Increment 1		1.0	4.0			1.0								
Construction Documents - Increment 2		1.0	2.0	24.0			1.0	4.0	10.0	3.0				
Specifications - Increment 2		2.0	6.0	12.0		8.0			2.0					
QA/QC Review					12.0		1.0	2.0	2.0					
Coordination		2.0	4.0	4.0				2.0	5.0					
CD Cost Estimate		1.0	1.0								1.0	4.0	3.0	
Bi-Weekly Design Meetings		2.0	2.0											
CONSTRUCTION DOCUMENTS SUBTOTAL HOURS	0.0	10.0	21.0	52.0	12.0	9.0	2.0	9.0	24.0	6.0	1.0	4.0	3.0	153.0

**PASADENA USD
HAMILTON
ELEMENTARY SCHOOL
DETAILED LOE
PROPOSAL SHEET**

NOV. 22, 2022

	Prime Consultant - Architecture Arcadis IBI Group						Civil Engineer KPP				Cost Estimating - OCMI			TOTAL
	PRINCIPAL ARCHITECT Craig Atkinson Principal In Charge	PROJECT MANAGER Janet Kanani Project Manager	PROJECT ARCHITECT Isabella Matia Architect	TECHNICAL SUPPORT TBD Technical Support	QA/QC/CA Denny Chien Construction Administration	ARCHITECTURAL SUPPORT Linda Iverson Administrative Assistant	PRINCIPAL IN CHARGE Jeff Gawazza Principal	PROJECT MANAGER Kevin Ellis Project Manager	PROJECT ENGINEER Emilia Vasquez Project Engineer	CAD OPERATOR Jonathan Amoya BIM Coordinator	SR. COST ESTIMATOR TBD Estimate PM and POC	COST ESTIMATOR II TBD Estimator	COST ESTIMATOR I Quantity Surveyor	
AGENCY APPROVAL	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
DSA Processing		2.0	6.0											
Plan/Spec Updates as Required for Approval	1.0	1.0	3.0	12.0		4.0		1.0	6.0	4.0				
AGENCY APPROVAL SUBTOTAL HOURS	1.0	3.0	14.0	12.0	0.0	4.0	0.0	1.0	6.0	4.0	0.0	0.0	0.0	45.0
BID SUPPORT	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Pre-Bid Meeting Attendance			2.0		2.0			1.0	1.0					
Respond to RFIs - RFC's			12.0	4.0	2.0	4.0			2.0					
Bid Phase Clarifications (Addenda)			2.0	3.0	1.0	1.0			1.0	2.0				
BID SUPPORT SUBTOTAL HOURS	0.0	0.0	16.0	12.0	5.0	8.0	0.0	1.0	4.0	2.0	0.0	0.0	0.0	48.0
CONSTRUCTION ADMINISTRATION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Preconstruction Meeting			2.0		1.0			1.0	1.0					
Project Progress Meetings (3 Meetings)			14.0		7.0									
Submittal Review			2.0	10.0	2.0	4.0		1.0	4.0					
RFI-RFC Reviews			24.0	16.0	5.0		1.0	1.0	1.0	2.0				
Construction Clarifications (Change Directives, Supplemental Instructions)			3.0	6.0	4.0	4.0								
CONSTRUCTION ADMINISTRATION SUBTOTAL HOURS	0.0	0.0	44.0	32.0	22.0	8.0	1.0	3.0	9.0	2.0	0.0	0.0	0.0	121.0
PROJECT CLOSEOUT	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
DSA Closeout			4.0			8.0			1.0	2.0				
Record Drawings			4.0	5.0					1.0	2.0				
PROJECT CLOSEOUT SUBTOTAL HOURS	0.0	0.0	8.0	8.0	0.0	8.0	0.0	0.0	2.0	4.0	0.0	0.0	0.0	38.0
TOTAL COMBINED HOURS	1.5	28.5	132.0	200.0	38.0	43.0	5.0	26.0	69.0	30.0	1.0	4.0	3.0	582.5

PASADENA USD
FIELD ELEMENTARY SCHOOL
DETAILED LOE
PROPOSAL SHEET

NOV. 22, 2022

	Prime Consultant - Architecture Arcadis IBI Group						Civil Engineer - KPFF				Plumbing - Maroko & Shwe		Cost Estimating - OCMI			TOTAL
	PRINCIPAL ARCHITECT Craig Atkinson Principal in Charge	PROJECT MANAGER Janvi Kanani Project Manager	PROJECT ARCHITECT Isabella Mattia Architect	TECHNICAL SUPPORT TBD Technical Support	QA/QC/CA Denny Chon Construction Administration	ARCHITECTURAL SUPPORT Linda Iverson Administrative Assistant	PRINCIPAL IN CHARGE Jeff Gavezza Principal	PROJECT MANAGER Kevin Ellis Project Manager	PROJECT ENGINEER Emilia Vasquez Project Engineer	CAD OPERATOR Jonathan Amaya BIM Coordinator	ENGINEER Sandra Chu Project Engineer	ENGINEER Mark Ros Engineering Assistant	SR. COST ESTIMATOR TBD Estimate PM and POC	COST ESTIMATOR II TBD Estimator	COST ESTIMATOR I Quantity Surveyor	
SCHEMATIC DESIGN	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Project Management	0.5	1.0				1.0										
Kick-Off Meeting		0.5	1.0				1.0	1.0			1.0					
Site Visit		1.0	4.0					2.0	2.0		2.0					
Database Site Information			2.0	16.0						2.0	1.0					
BIM 360 Setup			1.0	2.0						2.0		1.0				
Existing Information Review + Report		4.0	8.0	8.0					1.0		1.0					
Topographic Survey		1.0	1.0						1.0							
Schematic Design		1.0	2.0	4.0				1.0	4.0	2.0	1.0					
Coordination		1.0	4.0						2.0		1.0					
Bi-Weekly Design Meetings		1.0	1.0					2.0	1.0		1.0					
SCHEMATIC DESIGN SUBTOTAL HOURS	0.5	10.5	24.0	30.0	0.0	1.0	1.0	6.0	11.0	6.0	8.0	1.0	0.0	0.0	0.0	99.0
DESIGN DEVELOPMENT	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
DGA - Pre App Meeting per IR #11		1.0	2.0													
Design Development Documents - Increment 1		1.0	2.0	9.0												
Specifications - Increment 1		1.0	2.0	2.0		1.0										
Design Development Documents - Increment 2		1.0	2.0	22.0			1.0	2.0	6.0	6.0	2.0	9.0				
Specifications - Increment 3		1.0	2.0	6.0		1.0			1.0		2.0	8.0				
Coordination		1.0	1.0	3.0				2.0	4.0							
Bi-Weekly Design Meetings		1.0	1.0					2.0	2.0							
DESIGN DEVELOPMENT SUBTOTAL HOURS	0.0	7.0	12.0	41.0	0.0	5.0	1.0	6.0	13.0	6.0	4.0	16.0	0.0	0.0	0.0	111.0
CONSTRUCTION DOCUMENTS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Construction Documents - Increment 1		1.0	2.0	12.0												
Specifications - Increment 1		1.0	4.0			1.0										
Construction Documents - Increment 2		1.0	2.0	30.0			1.0	1.0	13.0	6.0	2.0	8.0				
Specifications - Increment 2		2.0	6.0	16.0		8.0			2.0		2.0	9.0				
QA/QC Review					12.0		1.0	2.0	2.0		2.0					
Coordination		2.0	2.0	6.0				2.0	8.0		2.0					
GD Cost Estimate		1.0	1.0					1.0					1.0	1.0	3.0	
Bi-Weekly Design Meetings		2.0	2.0													
CONSTRUCTION DOCUMENTS SUBTOTAL HOURS	0.0	10.0	21.0	64.0	12.0	9.0	2.0	6.0	24.0	6.0	6.0	16.0	1.0	4.0	3.0	189.0

PASADENA USD
FIELD ELEMENTARY SCHOOL
DETAILED LOE
PROPOSAL SHEET
NOV. 22, 2022

	Prime Consultant - Architecture Arcadis IBI Group						Civil Engineer - KPFF				Plumbing - Maroko & Shwe		Cost Estimating - OCMI			TOTAL
	PRINCIPAL ARCHITECT Craig Atkinson Principal in Charge	PROJECT MANAGER Janvi Kanani Project Manager	PROJECT ARCHITECT Isabella Mattia Architect	TECHNICAL SUPPORT TBD Technical Support	QA/QC/CA Denny Johnson Construction Administration	ARCHITECTURAL SUPPORT Linda Iverson Administrative Assistant	PRINCIPAL IN CHARGE Jeff Guevaza Principal	PROJECT MANAGER Kevin Ellis Project Manager	PROJECT ENGINEER Emelisa Vasquez Project Engineer	CAD OPERATOR Jonathan Araya BIM Coordinator	ENGINEER Sandra Chu Project Engineer	ENGINEER Mark Ros Engineering Assistant	SB COST ESTIMATOR TBD Estimate PM and POC	COST ESTIMATOR II TBD Estimator	COST ESTIMATOR I Quantity Surveyor	
AGENCY APPROVAL	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
DSA Pickering		2.0	5.0								1.0					
Plan/Spec Updates as Required for Approval	1.0	1.0	6.0	12.0		4.0		1.0	6.0	4.0	2.0					
AGENCY APPROVAL SUBTOTAL HOURS	1.0	3.0	14.0	12.0	0.0	4.0	0.0	1.0	6.0	4.0	3.0	0.0	0.0	0.0	0.0	48.0
BID SUPPORT	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Pre-Bid Meeting Attendance			2.0		2.0			1.0	1.0							
Response to RFIs - RFC's			12.0	4.0	2.0	4.0			2.0		2.0					
3rd Phase Clarifications (Addenda)			2.0	9.0	1.0	4.0			1.0	2.0	1.0					
BID SUPPORT SUBTOTAL HOURS	0.0	0.0	16.0	12.0	5.0	8.0	0.0	1.0	4.0	2.0	3.0	0.0	0.0	0.0	0.0	51.0
CONSTRUCTION ADMINISTRATION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
Preconstruction Meeting			2.0		1.0			1.0	1.0							
Project Progress Meetings (9 Meetings)			14.0		7.0											
Submittal Review			2.0	10.0	2.0	4.0		1.0	4.0		6.0					
RFI-RFC Reviews			24.0	16.0	9.0		1.0			2.0	0.0					
Construction Clarifications (Change Directives, Supplemental Instructions)			2.0	5.0	2.0	4.0		1.0	1.0							
CONSTRUCTION ADMINISTRATION SUBTOTAL HOURS	0.0	0.0	44.0	32.0	22.0	8.0	1.0	3.0	9.0	2.0	12.0	0.0	0.0	0.0	0.0	133.0
PROJECT CLOSEOUT	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
DSA Closeout			4.0			8.0										
Record Drawings			4.0	3.0				1.0	2.0			2.0				
PROJECT CLOSEOUT SUBTOTAL HOURS	0.0	0.0	8.0	3.0	0.0	8.0	0.0	1.0	2.0		0.0	2.0	0.0	0.0	0.0	28.0
TOTAL COMBINED HOURS	1.5	30.5	138.0	199.0	39.0	43.0	6.0	28.0	88.0	28.0	38.0	35.0	1.0	4.0	3.0	860.0

8

Proposed Schedule for
Design and Certification



▲ JHF Polytechnic High School Freshman Center

As indicated in the RFP, we have provided a schedule that reflects two increments in the following pages:

- Increment 1 – shade structure installation
- Increment 2 – ADA compliance requirements

Proposed Schedule

Arcadis IBI Group has reviewed the proposed scope of work for the design and certification by DSA for the installation of Approved Pre-Check (“PC”) Shade Structures for the six campuses identified in the RFP and their associated upgrades to meet ADA requirements. To meet the aggressive schedule in the RFP required to get DSA approval and begin construction in summer, we propose developing designs on two campuses simultaneously with a week lag between start times of the other two campus pairs. As a result, the first pair of campus projects will be able to get into DSA early with some float time, while the last pair of campuses will complete within the schedule identified in the RFP. As we understand from DSA, they are anticipating a backlog of 30 days or more at the beginning of the year due to a code cycle change in January 2023. Staggering the start of campus pairs allows time for our surveyor to complete its work on each campus.

However, we believe there may opportunities to enhance overall schedule performance such as “flipping” increments. Based on DSA IR A-11, it appears that it may be necessary to have the shade structure built as a non-incremental project (including all ADA upgrades). Incremental submittal may require that the ADA upgrades are included in the initial increment. This enhances the possibility of combining all of the ADA upgrades into one bid package which may attract more bidders increasing competition and leading to economies of scale both in pricing and schedule performance.

Preliminary Schedule

			2022				2023																															
			DECEMBER				JANUARY				FEBRUARY				MARCH				APRIL				MAY				JUNE				JULY				AUGUST			
TASK	START	END	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Washington Elementary School																																						
Schematic Design	01/02/23	01/13/23																																				
DSA Pre-Application	01/16/23	01/16/23																																				
Design Development - Increment 1 & 2	01/16/23	01/27/23																																				
Construction Document - Increment 1 & 2	01/30/23	02/17/23																																				
DSA Submission - Increment 1	02/06/23	02/06/23																																				
DSA Submission - Increment 2	02/23/23	02/23/23																																				
DSA Back Check - Increment 1*	04/07/23	04/07/23																																				
DSA Back Check - Increment 2*	04/21/23	04/21/23																																				
Bidding - Increment 1*	04/17/23	05/08/23																																				
Bidding - Increment 2*	04/28/23	05/19/23																																				
Construction Administration	06/03/23	08/04/23																																				
Madison Elementary School																																						
Schematic Design	01/02/22	01/13/23																																				
DSA Pre-Application	01/16/23	01/16/23																																				
Design Development - Increment 1 & 2	01/16/23	01/27/23																																				
Construction Document - Increment 1 & 2	01/30/23	02/17/23																																				
DSA Submission - Increment 1	02/06/23	02/06/23																																				
DSA Submission - Increment 2	02/23/23	02/23/23																																				
DSA Back Check - Increment 1*	04/07/23	04/07/23																																				
DSA Back Check - Increment 2*	04/21/23	04/21/23																																				
Bidding - Increment 1*	04/17/23	05/08/23																																				
Bidding - Increment 2*	04/28/23	05/19/23																																				
Construction Administration	06/03/23	08/04/23																																				
ASSUMPTIONS:			NOTES:																																			
• Agency Approval: DSA follows from DSA Pre-Application is based on current estimated time.			A pre-application is to be submitted before a Design Group and DSA to develop a design to submit to the approval process. In the event that DSA is unable to attend an open house appointment for Increment 1, our schedule includes a full house submission. We will work with the Design Group to schedule the design group for a final review.																																			
• Bidding: It is estimated the District plans to bid these projects as a \$500,000 package.																																						

Preliminary Schedule

Preliminary Schedule

		2022				2023																																	
		DECEMBER				JANUARY				FEBRUARY				MARCH				APRIL				MAY				JUNE				JULY				AUGUST					
TASK	START	END	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
McKinley Elementary School																																							
Schematic Design	01/09/23	01/20/23																																					
DSA Pre-Application	01/23/23	01/23/23																																					
Design Development - Increment 1 & 2	01/23/23	02/06/23																																					
Construction Document - Increment 1 & 2	02/07/23	02/23/23																																					
DSA Submission - Increment 1	02/14/23	02/14/23																																					
DSA Submission - Increment 2	03/01/23	03/01/23																																					
DSA Back Check - Increment 1*	04/14/23	04/14/23																																					
DSA Back Check - Increment 2*	04/23/23	04/29/23																																					
Bidding - Increment 1*	04/21/23	05/12/23																																					
Bidding - Increment 2*	05/01/23	05/22/23																																					
Construction Administration	06/05/23	08/03/23																																					
Norma Coombs Elementary School																																							
Schematic Design	01/09/23	01/20/23																																					
DSA Pre-Application	01/23/23	01/23/23																																					
Design Development - Increment 1 & 2	01/23/23	02/06/23																																					
Construction Document - Increment 1 & 2	02/07/23	02/23/23																																					
DSA Submission - Increment 1	02/14/23	02/14/23																																					
DSA Submission - Increment 2	03/01/23	03/01/23																																					
DSA Back Check - Increment 1*	04/14/23	04/14/23																																					
DSA Back Check - Increment 2*	04/23/23	04/29/23																																					
Bidding - Increment 1*	04/21/23	05/12/23																																					
Bidding - Increment 2*	05/01/23	05/22/23																																					
Construction Administration	06/05/23	08/03/23																																					

ASSUMPTIONS:

- * Agency Approval: DSA review time and the submission is based on current estimated time.
- * Bidding: It is estimated the District plans to add these items as a separate package.

NOTES:

A pre-application will be scheduled between Arcadis CB Group and DSA to develop a timeline expected to the approval process. In the event that DSA is unable to allow all events to occur for approval for increment 1, our schedule includes a full review submission. We will work with the District to create a design package that will be reviewed in a timely manner.

Preliminary Schedule

			2022				2023																															
			DECEMBER				JANUARY				FEBRUARY				MARCH				APRIL				MAY				JUNE				JULY				AUGUST			
TASK	START	END	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Hamilton Elementary School																																						
Schematic Design	01/16/23	01/27/23																																				
DSA Pre-Application	01/30/23	01/30/23																																				
Design Development - Increment 1 & 2	01/30/23	02/10/23																																				
Construction Document - Increment 1 & 2	02/13/23	03/06/23																																				
DSA Submission - Increment 1*	02/20/23	02/20/23																																				
DSA Submission - Increment 2*	03/07/23	03/07/23																																				
DSA Back Check - Increment 1*	04/20/23	04/20/23																																				
DSA Back Check - Increment 2*	05/04/23	05/04/23																																				
Bidding - Increment 1*	05/11/23	06/01/23																																				
Bidding - Increment 2*	05/11/23	06/01/23																																				
Construction Administration	06/05/23	08/05/23																																				
Field Elementary School																																						
Schematic Design	01/16/23	01/27/23																																				
DSA Pre-Application	01/30/23	01/30/23																																				
Design Development - Increment 1 & 2	01/30/23	02/10/23																																				
Construction Document - Increment 1 & 2	02/13/23	03/06/23																																				
DSA Submission - Increment 1	02/20/23	02/20/23																																				
DSA Submission - Increment 2	03/07/23	03/07/23																																				
DSA Back Check - Increment 1*	04/20/23	04/20/23																																				
DSA Back Check - Increment 2*	05/04/23	05/04/23																																				
Bidding - Increment 1*	05/11/23	06/01/23																																				
Bidding - Increment 2*	05/11/23	06/01/23																																				
Construction Administration	06/05/23	08/05/23																																				

ASSUMPTIONS:

- * Agency Approval: DSA review time and fee submission is based on current estimated time.
- * Bidding: It is estimated the District plans to bid these projects as a separate package.

NOTES:

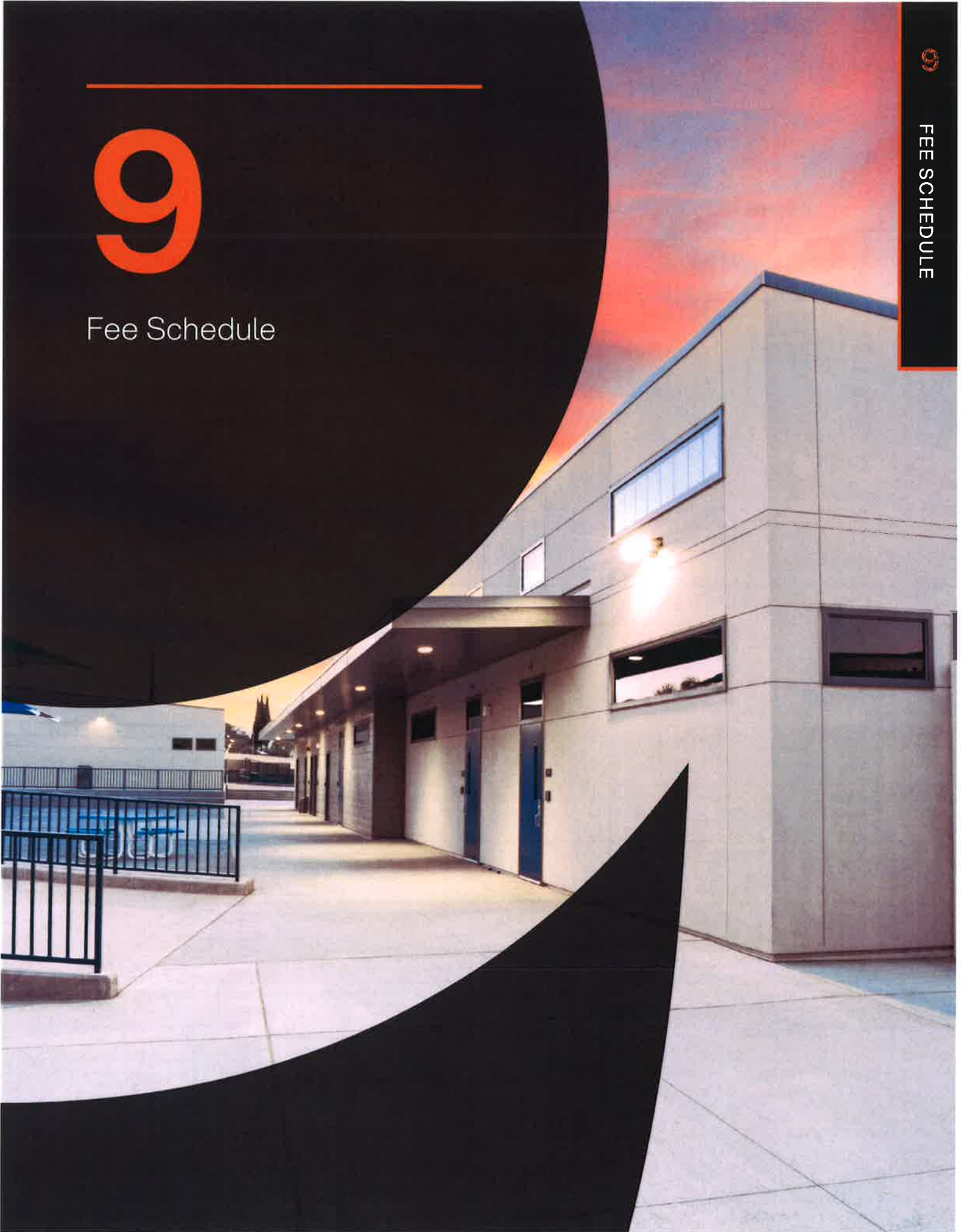
A pre-application will be scheduled between Arcadis | BI Group and DSA to develop a plan to expedite the approval process. In the event that DSA is unable to allow an over-the-counter application for Increment 1, our schedule includes a full review submission. We will work with the District to create bid packages that will be issued in a timely manner.

9

Fee Schedule



FEE SCHEDULE





▲ Aurora Program Help School

09

Fee Schedule

PRELIMINARY AE FEE ESTIMATE

We are pleased to submit our proposal for Architectural | Engineering Services for the new Pasadena USD Shade Structures for 6 campuses as defined in the “PUSD Notice Requesting Proposals for Architectural Design Services.

This is a preliminary fee estimate based on our review of the level of effort and assumptions made during the preparation of our response. The final scope and fee are open to negotiation subject to further clarification and mutual understanding of the contract scope and agreeable to Arcadis IBI Group and the PUSD. Our understanding of the scope of services and scope of work is outlined on the following pages.

Scope of Work: The project scope, parameters, and required services is in accordance with the RFP for the Pasadena USD Shade Structures and related ADA improvements for 6 campuses defined in the RFP; and the fees related to that service. Pursuant to the above, and to the goals of this assignment, the necessary effort and commitment is understood by IBI and our team of consultants.

Project Description: To provide design and assist with DSA certification to install Approved Pre-Check (“PC”) Shade Structures at the following schools: Washington ES, Madison ES, McKinley K-8, Hamilton ES, Norma Coombs ES, Field ES. Scope of work also includes to provide the minimum ADA path of travel and restroom compliance upgrades per DSA. Each campus to be submitted to DSA as one application with two increments:

- **Increment 1** – shade structure installation
- **Increment 2** – ADA compliance requirements

Scope of Services: IBI Group and our team of consultants will provide the services and their associated deliverables in accordance with the RFP as outlined in **Section 7: Level of Effort**.

Project Assumptions | Exclusions: The following are the assumptions made in the development of the fees:

▪ **General**

→ Assumptions

1. The utility infrastructure is adequate to serve the buildings proposed uses.
2. Scope/fee are based on the projects being designed and DSA approved in 2 increments for each campus, and by a design-bid-build delivery.
3. The Construction Period is assumed to be 2 months as indicated in RFP Addendum 2.
4. CADD files will be provided for all site campuses.
5. The District will provide the geotechnical report.

→ Exclusions

1. Services not specifically referenced in this proposal.
2. Construction Phase Services beyond the 2 month anticipated construction schedule. Additional CA Fees may be required based on level of service.

3. Design or Engineering fees due to unforeseen site conditions.
4. Payments for permits, utility fees and materials tests and inspections.
5. Design of mitigation for hazardous materials.

▪ **Civil**

→ Exclusions

1. The horizontal and vertical location and size of existing on-site utilities will be determined from available record drawings and/or site surveys. If additional information is determined to be required during the design stage, we recommend that a separate company specializing in locating underground utilities and surveying be retained. The scope of this proposal does not include electronic or pothole utility investigation or survey.
2. There are no off-site improvements associated with this project. If traffic engineering services are required for the preparation of the B-Permit or off-site package, the District will retain a traffic engineer.
3. There are no major utilities that will require relocation as a part of this project and the new shade structure will not require any new utility service connections.

▪ **Plumbing**

→ Exclusions

1. Verification of covered utilities through destructive or instrument assisted observation.
2. Mechanical and Fire protection system design.

Project Schedule: The project will be completed expeditiously in accordance with the Standard of Care of our industry for similar projects. The project will be completed in accordance with the Preliminary Project Schedule shown at the end of this section.

Project Delivery: Design-Bid-Build

Compensation: We propose to provide the services referenced on the previous page for the following not-to-exceed amounts as shown in the following tables for a complete Design Package to accomplish the Schematic Design, Design Development, Construction Documents, DSA Approval and Certification.

WASHINGTON ELEMENTARY SCHOOL

FEE SUMMARY	FEE
Arcadis IBI Group	\$31,675.00
SUBCONSULTANTS	
KPFF (Civil)	\$23,355.00
MSI (Plumbing)	\$6,050.00
OCMI (Cost Estimating)	\$1,331.00
SUBTOTAL SUBCONSULTANT BASE FEE	\$30,736.00
SPECIALTY	
Topographic Survey	\$12,000
TOTAL	\$74,411.00

Additional Services: Low Impact Development (if necessary):

\$5,000**MADISON ELEMENTARY SCHOOL**

FEE SUMMARY	FEE
Arcadis IBI Group	\$31,485.00
SUBCONSULTANTS	
KPFF (Civil)	\$23,355.00
MSI (Plumbing)	\$6,566.00
OCMI (Cost Estimating)	\$1,331.00
SUBTOTAL SUBCONSULTANT BASE FEE	\$31,252.00
SPECIALTY	
Topographic Survey	\$9,500.00
TOTAL	\$72,237.00

Additional Services: Low Impact Development (if necessary):

\$5,000

MCKINLEY ELEMENTARY SCHOOL

FEE SUMMARY	FEE
Arcadis IBI Group	\$31,765.00
SUBCONSULTANTS	
KPFF (Civil)	\$21,545.00
MSI (Plumbing)	\$6,050.00
OCMI (Cost Estimating)	\$1,331.00
SUBTOTAL SUBCONSULTANT BASE FEE	\$28,962.00
SPECIALTY	
Topographic Survey	\$12,000.00
TOTAL	\$72,691.00

Additional Services: Low Impact Development (if necessary):

\$5,000**HAMILTON ELEMENTARY SCHOOL**

FEE SUMMARY	FEE
Arcadis IBI Group	\$29,560.00
SUBCONSULTANTS	
KPFF (Civil)	\$18,200.00
OCMI (Cost Estimating)	\$860.00
SUBTOTAL SUBCONSULTANT BASE FEE	\$19,060.00
SPECIALTY	
Topographic Survey	\$9,500.00
TOTAL	\$58,120.00

Additional Services: Low Impact Development (if necessary):

\$5,000

NORMA COOMBS ELEMENTARY SCHOOL

FEE SUMMARY	FEE
Arcadis IBI Group	\$31,785.00
SUBCONSULTANTS	
KPFF (Civil)	\$18,200.00
OCMI (Cost Estimating)	\$860.00
SUBTOTAL SUBCONSULTANT BASE FEE	\$19,060
SPECIALTY	
Topographic Survey	\$9,500.00
TOTAL	\$60,345.00

Additional Services: Low Impact Development (if necessary):

\$5,000

FIELD ELEMENTARY SCHOOL

FEE SUMMARY	FEE
Arcadis IBI Group	\$30,495.00
SUBCONSULTANTS	
KPFF (Civil)	\$18,200.00
MSI (Plumbing)	\$6,566.00
OCMI (Cost Estimating)	\$1,331.00
SUBTOTAL SUBCONSULTANT BASE FEE	\$26,097.00
SPECIALTY	
Topographic Survey	\$12,000.00
TOTAL	\$68,592.00

Additional Services: Low Impact Development (if necessary):

\$5,000

Invoices shall be submitted monthly based on percentage of completion of each phase.

For each campus a Not to Exceed (NTE) contract will be executed to include all activities to accomplish Bid Support, Construction Administration and Closeout Support.

WASHINGTON ELEMENTARY SCHOOL	
FEE SUMMARY	FEE
Arcadis IBI Group	\$18,815.00
SUBCONSULTANTS	
KPFF (Civil)	\$5,700.00
MSI (Plumbing)	\$1,478.00
SUBTOTAL SUBCONSULTANT BASE FEE	\$7,178.00
TOTAL	\$25,993.00

MADISON ELEMENTARY SCHOOL	
FEE SUMMARY	FEE
Arcadis IBI Group	\$19,800.00
SUBCONSULTANTS	
KPFF (Civil)	\$5,700.00
MSI (Plumbing)	\$2,330.00
SUBTOTAL SUBCONSULTANT BASE FEE	\$8,030.00
TOTAL	\$27,830.00

MCKINLEY ELEMENTARY SCHOOL	
FEE SUMMARY	FEE
Arcadis IBI Group	\$18,445.00
SUBCONSULTANTS	
KPFF (Civil)	\$5,120.00
MSI (Plumbing)	\$1,678.00
SUBTOTAL SUBCONSULTANT BASE FEE	\$6,798.00
TOTAL	\$25,243.00

HAMILTON ELEMENTARY SCHOOL	
FEE SUMMARY	FEE
Arcadis IBI Group	\$18,145.00
SUBCONSULTANTS	
KPFF (Civil)	\$4,885.00
SUBTOTAL SUBCONSULTANT BASE FEE	\$4,885.00
TOTAL	\$23,030.00

NORMA COOMBS ELEMENTARY SCHOOL	
FEE SUMMARY	FEE
Arcadis IBI Group	\$17,630.00
SUBCONSULTANTS	
KPFF (Civil)	\$4,885.00
SUBTOTAL SUBCONSULTANT BASE FEE	\$4,885.00
TOTAL	\$22,515.00

FIELD ELEMENTARY SCHOOL	
FEE SUMMARY	FEE
Arcadis IBI Group	\$18,520.00
SUBCONSULTANTS	
KPFF (Civil)	\$4,095.00
MSI (Plumbing)	\$2,330.00
SUBTOTAL SUBCONSULTANT BASE FEE	\$6,425.00
TOTAL	\$24,945.00

See following pages for hourly rates.

The above fee is based on our understanding of the project scope and the anticipated level of effort. These fees are subject to negotiation and we look forward to the opportunity to work with you. Please call if you have any questions or comments.



Craig Atkinson, AIA, NOMA, LEED AP

Director | California Education Sector Lead | Sr. Principal Architect
Arcadis IBI Group

▼ Arvin High School Shade Structure



Hourly Rates	
TITLE	HOURLY RATES
Architecture - Arcadis IBI Group	
Director Senior Principal Architect	\$290.00
Senior Project Manager	\$204.00
Project Manager	\$150.00
Senior Project Architect	\$150.00
Project Architect	\$105.00
Senior Project Designer	\$165.00
BIM CAD Operator III	\$105.00
BIM CAD Operator II	\$95.00
BIM CAD Operator I	\$85.00
Specification Writer	\$150.00
Administration Support	\$90.00

Hourly Rates	
TITLE	HOURLY RATES
Civil Engineering - KPFF Consulting Engineers	
Principal-in-Charge	\$275.00
Senior Civil Engineer	\$225.00
Project Manager	\$205.00
Project Engineer/Project Surveyor	\$170.00
Design Engineer/Survey Analyst	\$155.00
Chief CAD Operator	\$180.00
Drafter/CAD Operator	\$155.00
Administrative/Secretary	\$105.00
Field Survey (Prevailing Wage Rates Available Upon Request)	
One-Person Survey Crew	\$180.00
Two-Person Survey Crew	\$245.00
Three-Person Survey Crew	\$290.00
Plumbing Engineering - Maroko & Shwe	
Principal	\$205.00
Project Engineer	\$142.00
Engineering Assistants	\$100.00
Cost Estimating - O'Connor Construction Management	
Cost Manager	\$197.00
Senior Estimator	\$192.00
Cost Estimator II	\$167.00
Cost Estimator I	\$157.00

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Non-Collusion
Form
(Attachment 3)

NON-COLLUSION DECLARATION

The undersigned declares:

I am the Director / Sr. Principal, Architecture (Title) of Arcadis IBI Group (Company), the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder.

All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price of any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the applicable laws that the foregoing is true and correct and that this declaration is executed on November (Month) 22 (Day) of 2022 (Year), at Los Angeles (City), California (State).

Signature of Declarant:



Printed name of Declarant: Craig Atkinson, AIA, NOMA, LEED AP

Name of Bidder (Company): Arcadis IBI Group

Title or Office: Director / Sr. Principal, Architecture

CONTACT US

Arcadis IBI Group
Craig Atkinson, AIA, NOMA, LEED AP
537 South Broadway, Suite 500
Los Angeles, CA 90013 USA

tel 213 769 0011
fax 213 769 0016

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**BOARD OF EDUCATION
PASADENA UNIFIED SCHOOL DISTRICT
PASADENA, CALIFORNIA**

Topic: APPROVAL TO PROCEED WITH AWARD OF TURNKEY DESIGN BUILD CONTRACT TO SOUTHLAND FOR THE SIERRA MADRE ES POWER SERVICE AND CENTRAL PLANT UPGRADE

RECOMMENDATION: The Governing Board of the Pasadena Unified School District approves staff to proceed with award of Turnkey Design Build Contract to Southland for the Sierra Madre ES Power Service and Central Plant Upgrade

Anticipated Effect on Student Outcomes: The upgrade will provide the necessary improvements to the school facilities in support of the 21st Century learning environment.

I. BACKGROUND:

Sierra Madre has had a long history of issues with the consistency of sufficient electrical power provided to the site by Southern California Edison (SCE). District staff has worked with SCE staff to provide a solution this past year. SCE staff began by changing out equipment at their sub-station that feeds the school. Unfortunately, this did not resolve the problem.

It recommended that the chiller be completely replaced due to age. However, in order to keep the new chiller from turning off due to lack of steady voltage from SCE, it is recommended that a switchgear and step down transformer be included as part of the project.

In partnership with SCE it has been verified that 480 volt service is available on the power pole that provides service to the school site. SCE will swap out the current transformer to the higher voltage at their cost. The District will be responsible for providing the switchgear and step down so that the chiller can run off the 480 volt service and the remaining electrical at the school will remain at 208 service. It would be cost prohibitive to completely rewire the entire school. However, this should fix the problem of the chiller turning off during extreme weather.

II. STAFF ANALYSIS

Staff recommends that the Board approve facilities staff proceeding with the Award of Turnkey Design Build contract to Southland respect to BR-1117-F under AB 4217 and results from RFP No. 23-16/17.

Attachment: Proposal for Sierra Madre ES Chiller Plant and Electrical Upgrades

III. FISCAL IMPACT:

Funds required in the amount not to exceed \$3,003,472 and are available in the Measure O Capital Projects Fund. However, first priority for funding will be ESSER funds.

Pasadena Unified School District

Board of Education Agenda

January 26, 2023

Submitted by: _____

Leslie Barnes, Ed.D., Chief Finance and Operations Officer

Funding title/code:

Title: Measure O Capital Projects Fund

Code: 21.3-97122.0-00000-50000-6270-0500000 -\$2,993,741 (Design,

DSA Certification, Construction and Contingency)

21.3.97122.0-00000-50000-6270-0500000 -\$10,000 (Reimbursables)

Approved:

Brian O. McDonald, Ed.D.
Superintendent

Originated by: Leonard Hernandez, Jr., Director of Facilities, Maintenance, Operations and Transportation



Michael Dobrotin
SafeWork CM
c/o Pasadena Unified School District
740 W Woodbury Rd
Altadena, CA 91001

Reference: Sierra Madre ES Chiller Plant and Electrical Upgrades

Dear Mr. Dobrotin,

Southland is pleased to provide this proposal for Design-Build Services for electrical and mechanical upgrades at Sierra Madre Elementary School. The scope of the project includes support to Southern California Edison (SCE) for the conversion of site power from 208V to 480V, upgrades to the site electrical system to accommodate the new power service, and upgrades to the site chiller plant.

Southland will provide design-build services for the implementation of this project described as follows:

Engineering and Design

This will include the required design documentation for the Division of State Architect (DSA) review and approval summarized as follows:

- Provide structural, mechanical, plumbing, and electrical design services to prepare design-build design documents for the construction of the chiller replacement and electrical upgrade.
- We will consult with DSA to validate if a full DSA review is required. Based on the results, Southland will prepare the DSA design submittal package, submit to DSA for approval, and address DSA review comments.
- Provide "General in Responsible Charge" services for facilitating the submittal, approval, and closeout of this project with DSA.
- Provide as-built design documents.

Construction Phase 1 – SCE Power Upgrade

Currently, the existing service to the campus is a 208V service. Previous evaluations of electrical systems at the campus have determined that the new chiller should be 480V to improve power quality and reliability. To support this requirement, SCE will provide a new 480V service to the campus. It is anticipated this will require conduits and feeders, and a new transformer to provide a point of connection (POC) for 480V to the campus.

Southland will coordinate SCE activities to provide the new 480V service to the campus including:

- Submittal of technical data required by SCE.
- Integration of SCE activities with the campus electrical upgrade.
- Coordination of electrical service shutdowns with the District and campus. SCE anticipates a shutdown of approximately one week.

Any costs for the SCE upgrade will be paid directly by the District to SCE.

Construction Phase 2 – Switchgear Upgrade

The existing 208V switchgear will be upgraded to service the new 480V chiller, as shown in Attachment 1 (Redlined Electrical Single Line Diagram), and described below:

- Coordinate SCE work to connect to the new 480V service switchboard. SCE work to include replacing one (1) existing SCE transformer with a new transformer using the existing transformer pad and conduits.



- Modify existing outdoor block wall enclosure and extend to dirt lot adjacent to existing electrical yard.
- Provide a new concrete 10'x10'x6" slab and new 10'x10'x6' block wall enclosure immediately adjacent to existing yard with one (1) entrance gate.
- Provide all grounding as required by code.
- Provide and install one (1) new 750KVA, 480V/208/120 outdoor transformer in new enclosure area.
- Provide and install one (1) 1600amp, 480V outdoor Service Switchboard with one (1) 1600amp main breaker, and one (1) 1200amp and (1) 200amp sub-breakers. Provide two (2) spare 200amp sub-breakers for future use.
- Provide and install six (6) 4" GRC conduit feeders each with four (4) 400mcm and one (1) 250mcm ground conductors from the new 750KVA transformer to the existing switchboard main Meter Section (MS) to refeed after SCE removes the existing transformer.
- Provide and install four (4) 3" GRC conduit feeders each with four (4) 350mcm & (1) 3/0mcm ground conductors from the new 750KVA transformer to the new 1600amp switchboard.
- Provide and install five (5) 4" GRC (conduit only) each with (1) pull rope from the new SCE utility transformer to the new 480V, 1600amp switchboard.
- Provide and install one (1) 1.5" GRC conduit with three (3) 3/0 & (1) #6 ground conductors from the new 480V, 1600amp switchboard to the new chiller feed. This conduit is to connect to the existing pull box at the existing MCC unit in yard and extend to the new switchboard.
- Terminate and test all new 600V and below conductors.
- Provide 3rd party testing of newly installed electrical equipment.
- Provide Arc Flash study of newly installed electrical equipment.
- Disconnect and remove the existing Siemens Sentron Power Quality Meter.

Construction Phase 3 – Chiller and Pumps Replacement

Chiller Replacement:

- Replace the existing 208V chiller with one (1) new 460V, 120-ton, 3PH chiller.
- Remove existing CH-01 Chiller conductors from existing conduits. Provide and install three (3) new 3/0 & (1) #6 ground conductors through existing conduits from chiller to MCC unit pull box. The length of this run has been estimated to be 400'. We assume all existing pull boxes in the existing run are accessible for the demolition of existing conductors and installation of new conductors.
- Provide and install one (1) new 200amp 480V 3PH NEMA1 fused disconnect switch w/200amp fuses.

Pumps Replacement:

- Safe off and disconnect power to the existing four (4) pumps (2 @ 10HP and 2 @ 20HP).
- Provide and install two (2) new 10HP pumps and two (2) new 30amp, 240V, 3PH, NEMA 1 fusible disconnect switches with 30A fuses.
- Provide and install two (2) new 20HP pumps and two (2) new 60amp, 240V, 3PH, NEMA 1 fusible disconnect switches with 60A fuses.
- Intercept the existing conduit and feeders and extend to the new pumps as noted in Attachment 1. This includes liquidtight flex conduit at the pumps.

Mechanical Scope:

- Provide detailing and layout.
- Demolish the demo pony wall at the top of stairs to allow for the removal of the old chiller and installation of the new chiller.
- Provide shutdown and drain loop.



- Disconnect existing BAS controls.
- Demolish existing isolation valves.
- Demolish existing piping at the points of connection (POCs).
- Demolish and remove one (1) existing Trane water-cooled chiller, two (2) chilled water (CHW) pumps, and two (2) condenser water (CW) pumps.
- Furnish, install, and anchor one (1) new Trane water-cooled chiller.
- Furnish and install new piping to new water-cooled chiller.
- Furnish and install new chiller trim package, piping, gauges, and expansion tank.
- Furnish and install five (5) new isolation valves at the POCs.
- Furnish and install new pipe stands, hangers, and supports.
- Provide new insulation on new chilled water piping.
- Install new, removable railing at top of stairs in place of pony wall. (This will allow the District ease of access in the future for the space).
- Update refrigerant monitoring system for new refrigerant type.
- Reconnect existing BAS controls.
- Provide chemical run flush of the entire chilled water system.
- Clean strainers on fan coils serving the school.
- Perform factory startup of new equipment.
- Clean up all work areas.
- Perform all associated inspections throughout the project as required at each stage.

Clarifications:

- Existing pump inertia pad and isolators are to be re-used.
- Existing chiller pad to be re-used.
- Assumes existing floor drains are functional.
- Assumes all fan coils have operating isolation valves.
- Assumes that the existing chemical treatment system is functional and will be re-used.
- Existing valves holding is the responsibility of the District.
- All work is to be performed during normal business hours (Monday through Friday 7am-4pm), excluding holidays.
- Commissioning by Southland. Third-party commissioning is not included.
- Submittal package will be provided to District for approval before submitting to DSA.
- The District will coordinate with the existing solar PV provider for any required modifications, and associated costs, to integrate the existing solar PV system with new 480V service.
- Lead times, after approval of submittals, are estimated at 30 weeks for the chiller and 52 weeks for the major electrical components (480V transformer, 480V switchboard). The District and Southland mutually agree that both parties will hasten approval of product submittals to facilitate procurement of these products such that construction can be completed in the summer of 2024. A detailed schedule will be provided within four to six weeks of Notice to Proceed (NTP).

Inclusions:

- One (1) year parts & labor warranty on work performed by Southland under this proposal.
- Payment and Performance Bonds.
- Crane and rigging.
- Disposal and removal of equipment per EPA regulations.
- O&M and closeout documentation at the conclusion of the project.
- Safety coordination.
- DSA Submission.
- First operational service (to be performed within 90 days of chiller startup).



Exclusions:

- Testing, identification, and removal/abatement of hazardous materials.
- BACnet integration excluded.
- Temporary cooling and/or power.
- Repairs or modifications to the base building loop and fan coils; project is contained to the Chiller and Pumps in the Chiller Room.
- Condenser water system run flush.
- Power quality corrections.
- Painting of conduits and/or steel.
- Spare conduits.
- Third-party infrared imaging and/or megger test of wiring.
- UL (Underwriters Laboratories) recertification of existing switchgear.
- Landscape trimming or removal.
- Overtime, off-hours work.
- Procurement, installation, and fees associated with SCE Power Upgrade.
- Permits and DSA fees.

Pricing: (please check all approved items)

- ☐ Chiller Replacement and Electrical Upgrade - Firm Fixed Price **\$ 2,943,471**
- Includes the following project components:
 - Mechanical **\$1,158,216**
 - Electrical **\$1,493,632**
 - Engineering & Design **\$291,623**
- ☐ Owner Controlled Contingency **\$50,000**
- ☐ Total Funding **\$ 2,993,471**
- ☐ Option to include 5-year extended compressor warranty on the new chiller (Parts and Labor) **\$ 11,859**

Due to current market volatility, pricing is only valid for 30 days from date of the proposal. Equipment must be ordered by said dates to ensure listed pricing. Payment terms are 30 days from the date of invoice.

All of us at Southland would like to take this opportunity to thank you for allowing us to support the District with your HVAC needs. Should you have any questions please call me at 310.740.4310. You may email your approval to me at MMcDonald@southlandind.com.

Sincerely,

Pasadena Unified School District

Maureen McDonald
Energy Services Director

Approved By: _____

Purchase Order: _____



Terms and Conditions (rev 02/2016)

Unless otherwise advised in writing to the contrary within one hundred eighty (180) days of the execution of this Agreement, the following terms and conditions as written are hereby accepted between Customer and Southland. By execution of this Agreement, Customer represents that he/she has the authority to enter such Agreement.

1. In addition to any price specified on the face hereof, Customer shall pay and be responsible for the gross amount of any present or future sales, use, excise, value-added, or other similar tax, however designated, applicable to the price, sale or delivery of any products, services or work furnished hereunder or for their use by Southland on behalf of Customer whether such tax shall be local, state, or federal in nature.
2. Payment for services performed under this Agreement is due within thirty (30) days of invoice date. Finance charges will apply to balances over 30 days, and Southland reserves the right to stop all work until such balances are made current.
3. Southland reserves the right to adjust this Agreement should Customer request a material change in the scope of services, as determined by Southland in its sole discretion. When Southland determines a change in material, Southland will record the change in writing and provide the completed written change to Customer. Both Southland and Customer will provide written approval of the change as detailed in the written description of the change, including the impact of the change on the schedule, resources, and the price of the service, before Southland will implement the change. When Customer accepts the change, Customer will modify its form for payment as requested by Southland. If Customer does not accept the change (including the impact on the schedule, resources, or price), the parties will complete their obligations as set forth in this Agreement.
4. Either party may terminate this Agreement if the other party commits a material breach of such Agreement, including but not limited to, non-payment of any amount when due, and the breach is not cured within thirty (30) days of receipt of written notice from the injured party. If Southland terminates this Agreement for cause, Customer shall be responsible for Southland's costs incurred and reasonable profit up through the date of termination.
5. This Agreement does not include the identification, removal, handling or disposal of asbestos or other hazardous substances. In the event such substances or materials are discovered, Southland's responsibility is limited to notifying Customer of the possibility of the existence of such materials. Southland shall have the right thereafter to suspend its work until such substances or materials are removed. The time for completion of the work shall be extended to the extent caused by the suspension and the contract price shall be equitably adjusted.
6. Southland will not be liable for damage or loss caused by delay in installation or interrupted service due to fire, flood, corrosive substance in the air, strike, lockout, dispute with workmen, inability to obtain material or services, commotion, war, act of God, or any other cause beyond Southland's reasonable control.
7. If there is a change in the project schedule, or if there is any delay not caused by Southland, Southland will be entitled to reimbursement for any increased cost of materials and for any increased cost of labor, including overtime.
8. IN NO EVENT, WHETHER AS A RESULT OF BREACH OF CONTRACT, OR ANY TORT, INCLUDING NEGLIGENCE OR OTHERWISE, SHALL SOUTHLAND BE LIABLE FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR PENAL DAMAGES INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFIT OR REVENUES, LOSS OF USE OF ANY PRODUCTS, MACHINERY, EQUIPMENT, DAMAGE TO ASSOCIATED EQUIPMENT, COST OF CAPITAL, COST OF SUBSTITUTE PRODUCTS, FACILITIES, SERVICES OR REPLACEMENT POWER, DOWNTIME COSTS, LOST PROFITS OR CLAIMS OF SUCH DAMAGES BY CUSTOMER OR AGAINST CUSTOMER BY ANY OTHER PERSON.
9. Southland warrants that all materials and equipment shall be new unless otherwise specified, of good quality, and free from defective workmanship and materials. The warranty does include remedies for defects or damages caused by normal wear and tear during normal usage, use for a purpose for which it was not intended, improper or insufficient maintenance, modifications performed by Customer or



others retained by Customer, or abuse. Southland agrees to promptly correct, after receipt of a written notice from Customer, all work performed under this Agreement which proves to be defective in workmanship or materials within a period of one year from the date of completion. Except as expressly set forth herein, Southland makes no representation or warranty of any kind, and no other affirmation by Southland, by word or action, shall constitute a warranty. This warranty is expressly in lieu of any other expressed or implied warranty, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

10. Southland and Customer agree to seek to avoid litigation as a resolution of any disputes. However, should either party commence legal action against the other, the prevailing party shall be entitled to recover from the other party all court costs, disbursements and reasonable attorneys' fees.
11. Southland and Customer agree to indemnify and hold each other, including their officers, agents, directors and employees, harmless from all liabilities, costs (including reasonable attorneys' fees), claims, demands, or suits of any kind, resulting from the negligence or willful misconduct or breach of this Agreement by the indemnifying party.
12. The exclusive jurisdiction and venue of any suit or any other action involving the interpretation or enforcement of this Agreement shall be the location of the project, and the Agreement shall be governed by the law in effect at the location of the project.

**BOARD OF EDUCATION
PASADENA UNIFIED SCHOOL DISTRICT
PASADENA, CALIFORNIA**

Topic: APPROVAL TO PROCEED WITH PREPARATION OF BIDS AND PROCUREMENT FOR THE LOMA ALTA ES ROOFING PROGRAM PHASE II AND HVAC REPLACEMENTS

RECOMMENDATION: The Governing Board of the Pasadena Unified School District approves staff to proceed with preparation of Bids and Procurement for the Roofing Program Phase II and HVAC Replacements.

Anticipated Effect on Student Outcomes: Implementation of Measure O Bond Capital Projects to ensure a modern, safe, and orderly environment that supports and inspires student learning.

I. BACKGROUND:

The District is preparing for phase II of its roof replacement projects. Phase I was completed last summer. As part of the roofing project, it is required to disconnect the HVAC system units to allow for the new application of roofing material. However, there are several HVAC units that have reached their useful life and will not be able to be reinstalled. Therefore, new HVAC units will need be installed in their place.

II. STAFF ANALYSIS:

It is recommended that the Board approve the preparation of bids and procurement for removal and replacement of HVAC units that are at the end of their service life for the charter school and its buildings: Loma Alta ES Bldg. A, H, Auditorium and Cafeteria. This work will be done in conjunction with the replacement of the roofing.

Attachment: Project Request

III. FISCAL IMPACT:

Funds are estimated not to exceed \$300,000.00 and are available in the Measure O Capital Projects Fund. However, first priority will be to fund this project with ESSER funds.

**Pasadena Unified School District
Board of Education Agenda**

January 26, 2023

Submitted by: _____

Leslie Barnes, Ed.D., Chief Finance and Operations Officer

Funding title/code:

Title: Measure O Capital Projects Fund

Code: 21.3-97116.0-00000-85000-6270-0360000

Approved:

Brian O. McDonald, Ed.D.
Superintendent

Originated by: Leonard Hernandez, Jr., Director of Facilities, Maintenance, Operations and Transportation

MEASURE O PROGRAM

PROPOSED PROJECT REQUEST

PROPOSED PROJECT TITLE

Districtwide Roofing Phase II
HVAC Unit Replacement

PROPOSED SCHOOL SITE

Charter School:
Loma Alta ES

PROJECT PROPOSED ON

January 26, 2023

PROJECT SUMMARY:

BACKGROUND:

The District is accomplishing a roof replacement project. A list of schools and buildings were identified by Facilities of roofs that have been leaking or need immediate replacement. As part of the roofing project, it is required to disconnect the HVAC system units to allow for the new application of roofing material, then reconnecting back the HVAC systems. For Phase II of the Roofing project, there are HVAC units that once they are disconnected will not be functional, as they have reached the end of their service life. This HVAC equipment must be replaced to be able to provide conditioned air to the buildings.

PROJECT DESCRIPTION

Project Scope:

Remove and Replacement old units that will become dead once disconnected for Roofing application at the following Charter school:

1. Loma Alta ES

NEXT STEPS

Board Approval: Submit the project summary to BOE for approval to proceed.

Bid/Award: Solicit proposals

PROPOSED BUDGET SOURCE: MEASURE O – CAPITAL PROJECTS

TARGET MILESTONES	PLANNED	PRELIMINARY BUDGET (ROM)	
Board Approval	Jan 2023	<u>HARD COSTS</u>	
Design Phase	Jan 2023	Design/Bid/Inspection	\$00,000.00
Obtain DSA Approval (if required)	N/A	Construction	\$300,000.00
Bid/Award Phase	Jan 2023	Contingency/Other	\$00,000.00
Board Approval to Award (for Contract)	Feb 2023		
Construction Phase	Summer 2023	TOTAL	\$300,000.00

Michelle Bailey, Facilities Committee Chair

Date

Dr. Leslie Barnes, Chief Finance & Operations Officer

Date

**BOARD OF EDUCATION
PASADENA UNIFIED SCHOOL DISTRICT
PASADENA, CALIFORNIA**

Topic: APPROVAL TO PROCEED WITH PREPARATION OF BIDS AND PROCUREMENT FOR THE DON BENITO ADMINISTRATION BUILDING ROOFING PROGRAM PHASE II AND HVAC REPLACEMENTS

RECOMMENDATION: The Governing Board of the Pasadena Unified School District approves staff to proceed with preparation of Bids and Procurement for the Roofing Program Phase II and HVAC Replacements

Anticipated Effect on Student Outcomes: Implementation of Measure O Bond Capital Projects to ensure a modern, safe, and orderly environment that supports and inspires student learning.

I. BACKGROUND:

The District is preparing for phase II of its roof replacement projects. Phase I was completed last summer. As part of the roofing project, it is required to disconnect the HVAC system units to allow for the new application of roofing material. However, there are several HVAC units that have reached their useful life and will not be able to be reinstalled. Therefore, new HVAC units will need be installed in their place.

II. STAFF ANALYSIS:

It is recommended that the Board approve the preparation of Bids and Procurement to remove and replace HVAC units that are at the end of their service life for the following schools and Buildings: Don Benito Administration Building. This work will be done in conjunction with the replacement of the roofing.

Attachment: Project Request

III. FISCAL IMPACT:

Funds required in an amount not to exceed \$100,000.00 and are available in the Measure O Capital Projects Fund.

Pasadena Unified School District

Board of Education Agenda

January 26, 2023

Submitted by: _____

Leslie Barnes, Ed.D., Chief Finance and Operations Officer

Funding title/code:

Title: Measure O Capital Projects Fund

Code: 21.3-97115.0-00000-85000-6270-0140000

Board Report No. 1610-F

Date: January 26, 2023

Approved:

Brian O. McDonald, Ed.D.
Superintendent

Originated by: Leonard Hernandez, Jr., Director of Facilities, Maintenance, Operations and Transportation

MEASURE O PROGRAM

PROPOSED PROJECT REQUEST



PROPOSED PROJECT TITLE	PROPOSED SCHOOL SITE	PROJECT PROPOSED ON
Districtwide Roofing Phase II HVAC Unit Replacement	Don Benito ES	January 26, 2023

PROJECT SUMMARY:

BACKGROUND:

The District is accomplishing a roof replacement project. A list of schools and buildings were identified by Facilities of roofs that have been leaking or need immediate replacement. As part of the roofing project, it is required to disconnect the HVAC system units to allow for the new application of roofing material, then reconnecting back the HVAC systems. For Phase II of the Roofing project, there are HVAC units that once they are disconnected will not be functional, as they have reached the end of their service life. This HVAC equipment must be replaced to be able to provide conditioned air to the buildings.

PROJECT DESCRIPTION

Project Scope:
Remove and Replacement old units that will become dead once disconnected for Roofing application at the following Charter school:

1. Don Benito ES

NEXT STEPS

Board Approval: Submit the project summary to BOE for approval to proceed.
Bid/Award: Solicit proposals

PROPOSED BUDGET SOURCE: MEASURE O – CAPITAL PROJECTS

TARGET MILESTONES	PLANNED	PRELIMINARY BUDGET (ROM)	
Board Approval	Jan 2023	<u>HARD COSTS</u>	
Design Phase	Jan 2023	Design/Bid/Inspection	\$00,000.00
Obtain DSA Approval (if required)	N/A	Construction	\$300,000.00
Bid/Award Phase	Jan 2023	Contingency/Other	\$00,000.00
Board Approval to Award (for Contract)	Feb 2023		
Construction Phase	Summer 2023	TOTAL	\$100,000.00

Michelle Bailey, Facilities Committee Chair

Date

Dr. Leslie Barnes, Chief Finance & Operations Officer

Date

**BOARD OF EDUCATION
PASADENA UNIFIED SCHOOL DISTRICT
PASADENA, CALIFORNIA**

Topic: APPROVAL TO PROCEED WITH PREPARATION OF BIDS AND PROCUREMENT FOR THE PUSD CLASSROOM SECURITY DOOR LOCKSET REPLACEMENT PROJECT

RECOMMENDATION: The Governing Board of the Pasadena Unified School District approve staff to proceed with preparation of Bids and Procurement for the Removal and Replacement Construction with Contingency for the PUSD Classroom Security Door Lockset Replacement Project.

Anticipated Effect on Student Outcomes: Implementation of Measure TT and Measure O Bond Capital Projects to ensure a modern, safe, and orderly environment that supports and inspires student learning.

I. BACKGROUND:

The locks in most of PUSD school classrooms, offices, and other rooms where pupils and staff gather can be locked only from the outside, and the safety of school staff and pupils could be placed in jeopardy if school staff is required to go out into a hallway or exterior of the building to lock doors during a lockdown.

Existing locksets will be replaced on doors with new locksets that are capable of locking from the inside of the room, for classrooms where there are 5 or more occupants, so staff members or students do not have to expose themselves on the outside of the room or building to a hostile intruder during lockdown procedures.

II. STAFF ANALYSIS:

A comprehensive inventory and review have been accomplished throughout the PUSD District to identify which classroom spaces will require the new door locksets. The number of doors with locksets to be replaced is approximately 1,970 door locksets.

The Board is requested to authorize facilities staff to proceed with preparation of bids and procurement for the PUSD Classroom Security Door Lockset Replacement Project.

Attachment: Project Proposal

III. FISCAL IMPACT:

Funds are estimated not to exceed \$2,100,000.00 and are available in the Measure TT Project Funds and Measure O Capital Projects Fund. Remaining Measure TT Funds will be used until exhausted, then remaining costs will be Measure O Funds. When contracts are awarded, costs at each school will tracked via school specific accounting codes.

**Pasadena Unified School District
Board of Education Agenda**

January 26, 2023

Submitted by: _____
Leslie Barnes, Ed.D., Chief Finance and Operations Officer

Funding title/code:

Title: Measure TT Capital Projects Fund

Code: 21.1-97119.0-00000-850000-6270-0000710 - \$1,000,000

Title: Measure O Capital Projects Fund

Code: 21.3-97119.0-00000-850000-6270-0000710 - \$1,100,000

Approved:

Brian O. McDonald, Ed.D.
Superintendent

Originated by: Leonard Hernandez, Jr., Director of Facilities, Maintenance, Operations and Transportation

FACILITIES DEPARTMENT

PROPOSED PROJECT REQUEST #001

PROPOSED PROJECT TITLE	PROPOSED SCHOOL SITE	PROJECT PROPOSED ON
PUSD Classroom Security Door Lockset Replacement Project	District Wide PUSD Schools	January 26, 2023

PROJECT SUMMARY:

BACKGROUND:

Violent incidents on school campuses are increasing at an alarming rate. Lockdowns are an effective tool that can be used on school campuses to facilitate the safety of pupils and staff during violent incidents.

The locks in most school classrooms, offices, and other rooms where pupils and staff gather can be locked only from the outside, and the safety of school staff and pupils could be placed in jeopardy if school staff is required to go out into a hallway or exterior of the building to lock doors during a violent incident.

Locking mechanisms that lock a door from the inside, commonly referred to as classroom security locks, have been developed to quickly lock doors to classrooms, offices, and other rooms from the inside.

Existing locksets will be replaced on doors with new locksets that are capable of locking from the inside of the room, for classrooms where there are 5 or more occupants, so staff members or students do not have to expose themselves on the outside of the room or building to a hostile intruder during "lock-down" procedures.

PROJECT DESCRIPTION

Scope of Services to include the following:

- 1) Removal and Replacement of Door Locksets
- 2) The number of doors with locksets to be replaced is approximately 1970 Door Locksets.

NEXT STEPS

Board Approval: January 26, 2023

Prepare detailed Scope of Work

Prepare Request for Proposals

PROPOSED BUDGET SOURCE: MEASURE O

TARGET MILESTONES	PLANNED	PRELIMINARY ESTIMATED COSTS	
Board Approval	1/26/23		
Design Phase	N/A	Design/Bid/Inspection	\$00
Obtain DSA Approval (if required)	N/A	Construction	\$1,900,000
Bid/Award Phase	February 2023	Contingency/Other	\$200,000
Board Approval to Award (for Contract)	April 2023		
Construction Phase	June 2023	TOTAL	\$2,100,000.00

Facilities Committee Board Member

Date

Dr. Leslie Barnes, Chief Finance & Operations Officer

Date

TOTAL DOOR COUNTS							
School	LHR	LH	RHR	RH	MORT	DMY	CYL
ALTADENA ELEMENTARY	1	4	3	8	16		0
CLEVELAND ELEMENTARY (Includes Charter)	29	6	17	6	58	12	0
DON BENITO ELEMENTARY	32	1	34	3	55	21	10
FIELD ELEMENTARY	8	5	10	3	17	0	8
FRANKLIN ELEMENTARY	11	7	29	4	51	12	0
HAMILTON ELEMENTARY	34	4	26	5	63	20	0
JACKSON ELEMENTARY	32	4	28	4	64	22	4
LONGFELLOW ELEMENTARY	31	1	27	3	62	0	0
MADISON ELEMENTARY	30	3	23	6	62	9	0
MCKINLEY ELEMENTARY	50	10	48	10	108	31	12
NORMA COOMBS ELEMENTARY	22	0	16		38	14	0
ROOSEVELT ELEMENTARY	19	13	18	14	58	0	3
SIERRA MADRE ELEMENTARY	7	7	15	6	36	3	0
WASHINGTON ELEMENTARY	28	3	41	2	71	20	0
WEBSTER ELEMENTARY	31	5	26	7	67	25	0
WILLARD ELEMENTARY	31	1	33	5	70	27	1
SAN RAFAEL ELEMENTARY	22	2	19	1	33		0
BLAIR MIDDLE	8	1	12	0	21	0	0
WASHINGTON MIDDLE (Octavia Butler)	41	9	38	5	94	27	0
WILSON MIDDLE	38	7	44	14	104	24	9
ELLIOT MIDDLE	22	9	52	10	114		0
MUIR HIGH	65	26	43	43	171	19	0
PASADENA HIGH	35	10	175	7	223	58	0
ROSE CITY HIGH	23	11	29	13	43	9	33
MARSHALL FUNDAMENTAL	68	27	79	16	189		1
TOTALS	718	176	885	195	1888	353	81

Notes - Issues

Closed School

Old Hardware, Old Key system update needed

Doors are in poor shape, Old hardware

Closed School

Doors are in poor shape

Doors are in poor shape

Doors are in poor shape

Cylindrical with mortise locks, at least 12 doors will need

Doors are in poor shape

Closed School

Old hardware

Old hardware

Doors are in poor shape

School Totals	Qty	Cost Ea	Total
MARKS LA318GJ Intruder Mortise Lockset	1888	\$325.00	\$613,600.00
Marks 195RDB/26D Intruder Cylindrical Lockset	81	\$200.00	\$16,200.00
mbinated SCHLAGE 80-037-R123 SFIC 2 per lock 3 keys per co	3938	\$65.84	\$259,277.92
Loose Installation estimate for locksets	1969	\$300.00	\$590,700.00
1-5% Extra Hardware for maintenance	1-5%		
MARKS LA318GJ Intruder Mortise Lockset	106	\$325.00	\$34,450.00
Marks 195RDB/26D Intruder Cylindrical Lockset	5	\$200.00	\$1,000.00
Uncombined SCHLAGE 80-036-R123 SFIC	223	\$65.84	\$14,682.32
Schlage Key blanks 35-400-R123	671	\$5.09	\$3,415.39
Keying upgrades needed			
McKinley Keying Upgrade			\$17,025.52
San Rafael Keying Upgrade			\$16,514.00
TOTAL COST ESTIMATE			\$1,566,865.15
	Allowance 20%		\$345,184.00
	Total		\$1,912,049.15

Total Cost Est Each type with cores & install		
Mortise locks	\$756.68	
Cylindrical Locks	\$631.68	

Sierra Madre Middle Left off the list? double cylinders on doors
 Schools that use pull plates need to be figured for painting
 (Pack keys independently)
 McKinley and San Rafael to complete key system updates.
 Interior locks on restroom key?

**BOARD OF EDUCATION
PASADENA UNIFIED SCHOOL DISTRICT
PASADENA, CALIFORNIA**

Topic: APPROVAL TO PROCEED WITH PREPARATION OF BIDS AND PROCUREMENT FOR THE CHARTER SCHOOL CLASSROOM SECURITY DOOR LOCKSET REPLACEMENT PROJECT

RECOMMENDATION: The Governing Board of the Pasadena Unified School District approves staff to proceed with preparation of Bids and Procurement for the Removal and Replacement Construction with Contingency for the Charter School Classroom Security Door Lockset Replacement Project.

Anticipated Effect on Student Outcomes: Implementation of Measure O Bond Capital Projects to ensure a modern, safe, and orderly environment that supports and inspires student learning.

I. BACKGROUND:

The locks in most of PUSD utilized by charter school classrooms, offices, and other rooms where pupils and staff gather can be locked only from the outside, and the safety of school staff and pupils could be placed in jeopardy if school staff is required to go out into a hallway or exterior of the building to lock doors during a lockdown.

Existing locksets will be replaced on doors with new locksets that are capable of locking from the inside of the room, for classrooms where there are 5 or more occupants, so staff members or students do not have to expose themselves on the outside of the room or building to a hostile intruder during lockdown procedures.

II. STAFF ANALYSIS:

A comprehensive inventory and review have been accomplished throughout the Charter School facilities to identify which classroom spaces will require the new door locksets. The number of doors with locksets to be replaced is approximately 200 Door Locksets.

The Board is requested to authorize Facilities Staff to proceed with preparation of Bids and Procurement for the Construction with Contingency for the Charter School Classroom Security Door Lockset Replacement Project.

Attachment: Project Proposal

III. FISCAL IMPACT:

Funds required in an estimated amount not to exceed \$200,000.00 and are available in the Measure O Capital Projects Fund. When contracts are awarded, costs at each school will be tracked via school specific accounting codes.

**Pasadena Unified School District
Board of Education Agenda**

January 26, 2023

Submitted by: _____

Leslie Barnes, Ed.D., Chief Finance and Operations Officer

Funding title/code:

Title: Measure O Capital Projects Fund

Code: 21.3-97120.0-00000-850000-6270-0000710

Approved:

Brian O. McDonald, Ed.D.
Superintendent

Originated by: Leonard Hernandez, Jr., Director of Facilities, Maintenance, Operations and Transportation

FACILITIES DEPARTMENT

PROPOSED PROJECT REQUEST #001

PROPOSED PROJECT TITLE	PROPOSED SCHOOL SITE	PROJECT PROPOSED ON
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Charter School Classroom Security Door Lockset Replacement Project	District Wide Charter Schools	January 26, 2023
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PROJECT SUMMARY:

BACKGROUND:

Violent incidents on school campuses are increasing at an alarming rate. Lockdowns are an effective tool that can be used on school campuses to facilitate the safety of pupils and staff during violent incidents.

The locks in most school classrooms, offices, and other rooms where pupils and staff gather can be locked only from the outside, and the safety of school staff and pupils could be placed in jeopardy if school staff is required to go out into a hallway or exterior of the building to lock doors during a violent incident.

Locking mechanisms that lock a door from the inside, commonly referred to as classroom security locks, have been developed to quickly lock doors to classrooms, offices, and other rooms from the inside.

Existing locksets will be replaced on doors with new locksets that are capable of locking from the inside of the room, for classrooms where there are 5 or more occupants, so staff members or students do not have to expose themselves on the outside of the room or building to a hostile intruder during "lock-down" procedures.

PROJECT DESCRIPTION

Scope of Services to include the following:

- 1) Removal and Replacement of Door Locksets
- 2) The number of doors with locksets to be replaced is approximately 200 Door Locksets.

NEXT STEPS

Board Approval: January 26, 2023

Prepare detailed Scope of Work

Prepare Request for Proposals

PROPOSED BUDGET SOURCE: MEASURE O

TARGET MILESTONES	PLANNED	PRELIMINARY ESTIMATED COSTS	
Board Approval	1/26/23		
Design Phase	N/A	Design/Bid/Inspection	\$00
Obtain DSA Approval (if required)	N/A	Construction	\$180,000
Bid/Award Phase	February 2023	Contingency/Other	\$20,000
Board Approval to Award (for Contract)	April 2023		
Construction Phase	June 2023	TOTAL	\$200,000.00

Facilities Committee Board Member

Date

Dr. Leslie Barnes, Chief Finance & Operations Officer

Date

TOTAL DOOR COUNTS							
School	LHR	LH	RHR	RH	MORT	DMY	CYL
AUDUBON (Odyssey Charter)	14	0	17	2	27		9
BURBANK (Stratford School)	19	2	10	3	34		
HODGES (Head Start/Young and Healthy)	10	3	6	2	21		
LOMA ALTA (Rosebud/Oak Knoll)	20	0	24	0	44		
NOYES (Aveson Charter)	8	0	22	0	30		2
EDISON-Odyssey Charter	15	0	17	4	36		0
TOTALS	86	5	96	11	192	0	11

Notes - Issues

This Charter is on their own key system- Two Key systems in use

Doors are in bad shape

This Charter is on their own key system

School Totals	Qty	Cost Ea	Total
MARKS LA318GJ Intruder Mortise Lockset	192	\$325.00	\$62,400.00
MARKS 195RDB/26D Intruder Cylindrical Lockset	11	\$200.00	\$2,200.00
ed SCHLAGE 80-037-R123 SFIC 2 per lock 3 key	406	\$65.84	\$26,731.04
Loose Installation estimate for locksets	203	\$300.00	\$60,900.00
TOTAL COST ESTIMATE			\$152,231.04
		Allowance 20%	
		Total	\$152,231.04

Pasadena Unified School District Facilities Master Plan



Approval and Acceptance Facilities Master Plan Research and Data

Pasadena Unified School District Facilities Master Plan



BOE Approval and Acceptance

The BOE is being asked to approve and accept the research and data presented in the Facilities Master Plan

Pasadena Unified School District Facilities Master Plan



Purpose of a Facilities Master Plan

DLR as the Executive Architect, has prepared the Pasadena Unified School District 2022 Facilities Master Plan.

The purpose of this comprehensive Facilities Master Plan is to identify the needs of the district and guide facilities planning, improvements, and developments that support the educational goals and objectives of the Pasadena Unified School District for the next 10 years.

This Facility Master Plan has assembled a series of metrics to assist the district with identifying their priorities. These metrics include the current facility use and size, the facility condition and projected repair costs, current district enrollment and projected future enrollment, equity-based statistics regarding traditional underserved student populations, and costs associated with the needs identified for each campus. The district can utilize these metrics to identify their current and projected needs.

Pasadena Unified School District Facilities Master Plan



Facilities Master Plan Data Development

Current Facilities Use and Size

Educational Adequacy

Facility Utilization

Demographic Information

Existing Facility Conditions

Current and Projected Enrollment

Projected Facility Repair Costs

Equity Based Statistics

Historic Building Significance

Survey Results

State Matching Funds Availability

Community Meetings

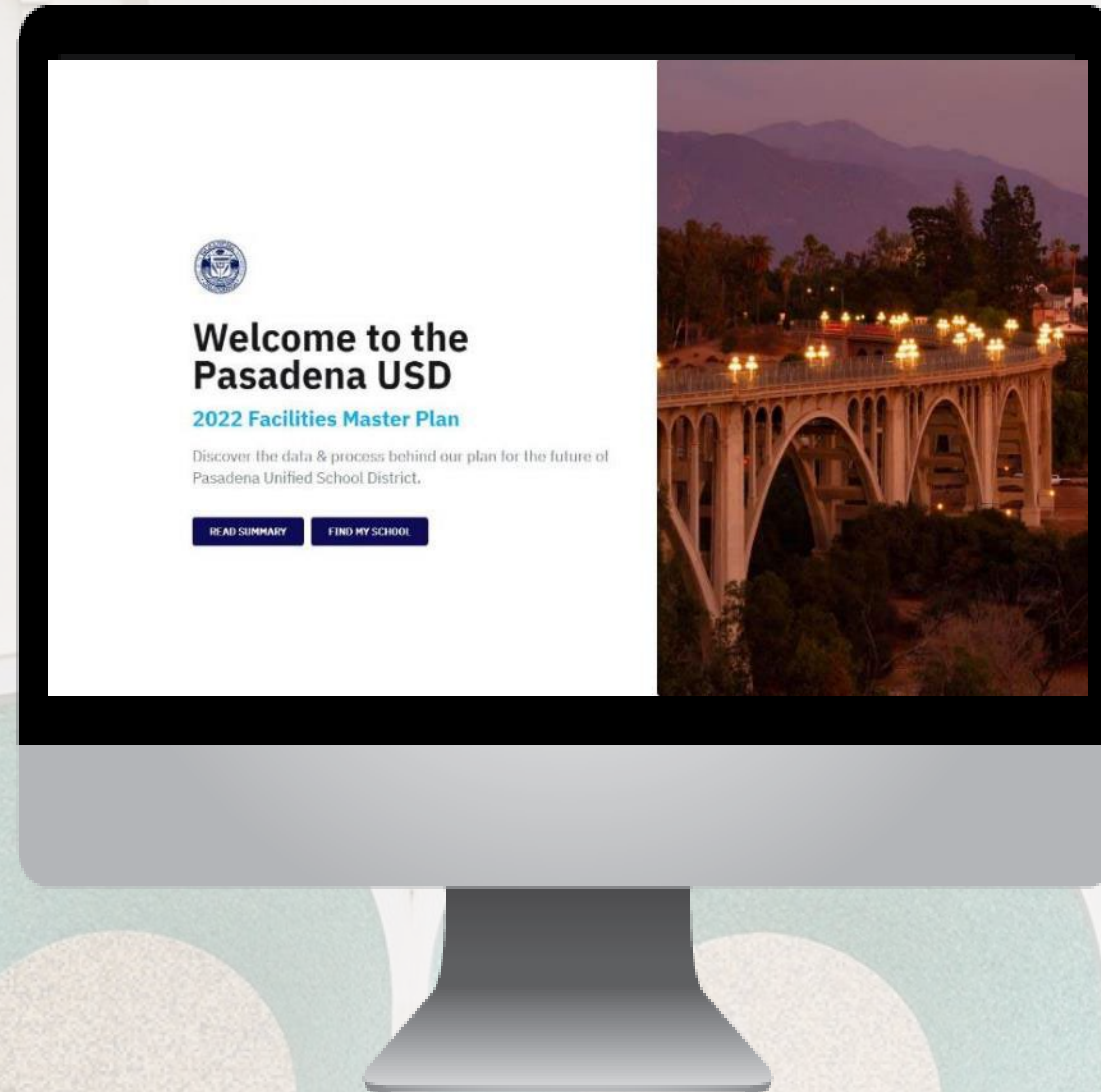
Pasadena Unified School District Facilities Master Plan

Facilities Master Plan Next Steps



- Workshops with the Board of Education and Executive Leadership Team will be scheduled with DLR facilitating to review the data in the Master Plan.
- The Board of Education will rank the data metrics in the order of importance that best captures the vision for implementing the identified master plan projects.
- Once the metric order is in place the campuses that meet these specific metrics should be easily identified for prioritization of projects.
- Once projects are identified and prioritized probable costs will be developed and incorporated into the Master Plan.
- The intent of this process and approach is to provide a transparent decision making process for your community to understand.

Pasadena Unified School District Facilities Master Plan



<https://www.pusdplan.org/>

Pasadena Unified School District



**Elementary Schools
Shade Structure Program
For
Playground Equipment**



Pasadena Unified School District

- Phase 1 Schools

- Madison, Washington, Norma Coombs, Hamilton, Field, McKinley

- Phase 2 Schools

- Altadena, Don Benito, Jackson, Longfellow, San Rafael, Sierra Madre, Webster, Willard

DSA requires that when Shade Structures are installed ADA Compliance must be accomplished. This includes POT from shade structures to the office, student and staff restrooms, and to ADA parking in the public right of way. Also required are ADA upgrades to the restrooms for staff and students and an ADA Drinking Fountain. There also must be a fire hydrant within 300 feet of the shade structure.

Phase 1 Schools were selected as they have the least amount of ADA compliance deficiencies.

Phase 2 Schools have significant ADA compliance deficiencies.



Pasadena Unified School District

- Program Components
 - Architectural Design for Site and ADA Compliance including DSA Certification
 - Phase 1 AOR Firm Selected Award in Process
 - Shade Structure and Installation Procurement
 - Phase 1 Procurement with USA Shade via Piggyback Contract in Process
 - Construction for ADA Compliance
 - Phase 1 After Design and DSA Review Completed Contractor RFP and Award Required

Pasadena Unified School District



- Program Challenges

- Phase 1 Summer 2023

- Schedule Risks
 - Design and DSA Review
 - Phase 1 ADA Compliance Costs
 - ADA Compliance Construction Timeline and Duration

- Phase 2 Summer 2024

- Identification of Compliance Requirements at Each School
 - AOR RFP, Design and DSA Certification
 - Phase 2 ADA Compliance Costs
 - ADA Compliance Construction Timeline and Duration



Budget Status by Fund

Budget status summary by Fund in selected Projects (thru 01/17/2023)

Budget vs. Commitments and Expenditures by Fund

Reconciliation Always in Progress

School Name - Project Name/Cost Group/Object Code/Contract Name	21.1 - GOB (Measure TT Series A)			Fund 21.1 Analysis		
	Budget	Commitments	Expenditures	Remaining Commitment	Retention	Uncommitted Available Balance
Altadena Elementary School - COMPLETE: Addition of 3 Shade Structures (95022.0)						
	90,187	90,187	90,187	-		-
Altadena Elementary School - COMPLETE: Measure T E-Rate (95180.0)						
	88,088	88,088	88,088	-		-
Altadena Elementary School - Modernization Project (95068.0) (2)						
	10,769,166	10,702,283	10,701,783	500		66,883
ALTADENA ELEM. TOTAL	10,947,440	10,880,557	10,880,057	500	-	66,883
Aveson Charter School (Noyes) - COMPLETE: Portable N Demolition Project (95029.0)						
	30,654	30,654	30,654	-		-
AVESON (NOYES) TOTAL	30,654	30,654	30,654	-	-	-
Blair High School - 04A Modernization of Main Building (95056.0) (2)						
	30,052,133	30,051,416	30,051,416	-		717
Blair High School - 04b Track and Field (95005.0) (2)						
	82,877	82,877	82,877	-		-
Blair High School - COMPLETE: Blair Middle School Campus (95001.0) (1) (2)						
	14,538,936	14,538,936	14,538,936	-		-
Blair High School - COMPLETE: Measure T E-Rate (95180.0)						
	428,677	428,677	428,677	-		-
Blair High School - COMPLETE: PROJECT CNLD - New 9th Grade Classroom (2)						
	1,146,779	1,146,779	1,146,779	-		-
BLAIR HS - Blair HS Site Access Improvement (ADA) (95056.1) (2)						
	51,285	51,285	51,285	-		-
BLAIR TOTAL	46,300,688	46,299,971	46,299,971	-	-	717
Burbank Elementary School - COMPLETE: Electrical Panel Upgrade (95064.0) (2)						
	87,603	87,603	87,603	-		-
Burbank Elementary School - COMPLETE: Renovation of Hodges (old 95140.0 merged)						
	253,584	253,584	253,584	-		-
Burbank Elementary School - Lunch Shelter/Renovation (95131.0) (1) (2) (3)						
	955,463	924,769	924,769	-		30,694
BURBANK TOTAL	1,296,650	1,265,956	1,265,956	-	-	30,694
Career Technical - Career Technical Education Projects (95145.0)						
	2,683,000	2,683,000	2,683,000	-		-
Career Technical - COMPLETE: CTE KLRN TV (95145.0)						
	100,507	100,507	100,507	-		-
CAREER TECHNICAL TOTAL	2,783,507	2,783,507	2,783,507	-	-	-
Central Kitchen - COMPLETE: Culinary Academy/Kitchen Construction (9)						
	1,238,928	1,238,928	1,238,928	-		-
CENTRAL KITCHEN TOTAL	1,238,928	1,238,928	1,238,928	-	-	-
Cleveland Elementary School - COMPLETE: Measure T E-Rate (95180.0)						
	113,292	113,292	113,292	-		-
Cleveland Elementary School - COMPLETE: New Classroom Wing (95031.0) (2)						
	4,594,037	4,594,037	4,594,037	-		-
Cleveland Elementary School - Modernize Kitchen (95121.0) (2)						
	108,495	108,495	108,495	-		-
Cleveland Elementary School - Student Safety Wall & Flooring Padding (2)						
	8,506	8,506	8,506	-		-
CLEVELAND ELEM. TOTAL	4,824,330	4,824,330	4,824,330	-	-	-
District Service Center - Facilities Administration (95000.0) (1) (2) (3)						
	16,903,487	16,254,867	16,242,391	12,476		648,620
DSC FACILITIES ADMIN	16,903,487	16,254,867	16,242,391	12,476	-	648,620
District Service Center - Facilities Administration (97092.0) 21.3						
	45,938	29,658	23,188	6,470		16,280
DSC FACILITIES ADMIN	45,938	29,658	23,188	6,470	-	16,280
District-Wide - COMPLETE: Bogen Clock Speaker System (95032.0)						



Budget Status by Fund

Budget status summary by Fund in selected Projects (thru 01/17/2023)

Budget vs. Commitments and Expenditures by Fund

Reconciliation Always in Progress

	21.1 - GOB (Measure TT Series A)			Fund 21.1 Analysis		
	1,436,405	1,436,405	1,436,405	-	-	-
District-Wide - COMPLETE: Energy Conservation Measures (95019.0) (2)	5,029,386	5,029,386	5,029,386	-	-	-
District-Wide - COMPLETE: Exterior Improvements (95036.0)	42,112	42,112	42,112	-	-	-
District-Wide - COMPLETE: Technology Modifications (95144.0)	3,071,556	3,071,556	3,071,556	-	-	-
District-Wide - District-Wide I.T. Wireless Access Upgrade (2)	3,000,000	3,000,000	3,000,000	-	109,813	-
District-Wide - DW - PRI 0 - Roofing (95135.0)	391,831	391,831	391,831	-	-	-
District-Wide - DW - PRI 0 - Windows (95136.0)	101,736	101,736	101,736	-	-	-
DISTRICT WIDE PROJECTS	13,073,026	13,073,026	13,073,026	-	109,813	-
Don Benito Elementary School - 11 HVAC and Kitchen (95146.0) (2)	301,509	263,398	263,398	-	-	38,111
Don Benito Elementary School - COMPLETE: Measure T E-Rate (95180.0)	147,679	147,679	147,679	-	-	-
Don Benito Elementary School - COMPLETE: Playground Structures (95043.0)	173,442	173,442	173,442	-	-	-
Don Benito Elementary School - Interim Housing (95181.0) (2)	397,779	397,779	397,779	-	-	-
Don Benito Elementary School - New Admin Bldg (95097.0) (2)	790,568	790,568	790,568	-	-	-
DON BENITO ELEM. TOTAL	1,810,976	1,772,865	1,772,865	-	-	38,111
Edison Elementary School - Edison ADA Upgrades (95143.0)	43,940	43,940	43,940	-	-	-
EDISON ELEMENTARY TOTAL	43,940	43,940	43,940	-	-	-
Eliot Middle School - 08 HVAC Upgrades (95146.0) (2)	828,427	828,427	828,427	-	-	-
Eliot Middle School - Auditorium/Cafe Modernization (95015.0) (2)	7,749,399	7,749,399	7,749,399	-	-	-
Eliot Middle School - COMPLETE: Career Technical Education (95145.0) (2)	29,261	29,261	29,261	-	-	-
Eliot Middle School - COMPLETE: Field Bleacher Replacement & ADA Upgrade (2)	92,835	92,835	92,835	-	-	-
Eliot Middle School - COMPLETE: Kitchen Modernization (95147.0) (2)	6,000	6,000	6,000	-	-	-
Eliot Middle School - COMPLETE: Lunch Shelter (95034.0) (2)	616,602	616,602	616,602	-	-	-
Eliot Middle School - COMPLETE: Measure T E-Rate (95180.0)	255,192	255,192	255,192	-	-	-
ELIOT MS CHILLED WATER PIPING CORR (95146.1) - ELIOT MS CHILLED WATER PIP	89,230	89,230	89,230	-	-	-
ELIOT MIDDLE SCHOOL	9,666,945	9,666,945	9,666,945	-	-	-
Field Elementary School - COMPLETE: Measure T E-Rate (95180.0)	113,292	113,292	113,292	-	-	-
Field Elementary School - COMPLETE: Water Meter Separation (95106.0)	39,013	39,013	39,013	-	-	-
Field Elementary School - FIELD - Playground (95069.1) (2)	336,473	336,473	336,473	-	-	-
Field Elementary School - Modernization (95069.0) (2)	3,554,598	3,529,597	3,529,597	-	-	25,000
FIELD ELEMENTARY SCHOOL	4,043,375.95	4,018,375.47	4,018,375.47	-	-	25,000.48
Franklin Elementary School - COMPLETE: Measure T E-Rate (95180.0)						



Budget Status by Fund

Budget status summary by Fund in selected Projects (thru 01/17/2023)

Budget vs. Commitments and Expenditures by Fund

Reconciliation Always in Progress

	21.1 - GOB (Measure TT Series A)			Fund 21.1 Analysis		
	172,886	172,886	172,886	-	-	-
Franklin Elementary School - COMPLETE: New Library/Shade Structure (95035.0)	593,078	593,078	593,078	-	-	-
Franklin Elementary School - Modernize Cafe/MPR/Windows (95066.0)	2,156,637	2,156,637	2,156,637	-	-	-
FRANKLIN ELEM. TOTAL	2,922,600	2,922,600	2,922,600	-	-	-
Hamilton Elementary School - COMPLETE: Measure T E-Rate (95180.0)	138,499	138,499	138,499	-	-	-
Hamilton Elementary School - COMPLETE: Water Meter Separation (95149.0)	56,828	56,828	56,828	-	-	-
Hamilton Elementary School - Modernization MPR/Café (95071.0) (2)	4,477,235	4,472,235	4,472,235	-	-	5,000
HAMILTON ELEM. TOTAL	4,672,562	4,667,562	4,667,562	-	-	5,000
Jackson Elementary School - 13 Modernization / Parking Lot (95052.0)	4,661,384	4,661,384	4,661,384	-	-	-
Jackson Elementary School - COMPLETE: Measure T E-Rate (95180.0)	130,487	130,487	130,487	-	-	-
Jackson Elementary School - COMPLETE: Phase I Completed Projects (95020.0 / 95	192,368	192,368	192,368	-	-	-
JACKSON ELEM. TOTAL	4,984,238	4,984,238	4,984,238	-	-	-
Jefferson Elementary School - COMPLETE: Measure T E-Rate (95180.0)	156,861	156,861	156,861	-	-	-
Jefferson Elementary School - Modernization (95079.0)	911,596	911,596	911,596	-	-	-
Jefferson Elementary School - New Child Care Center (95073.0)	332,171	332,171	332,171	-	-	-
JEFFERSON ELEM. TOTAL	1,400,627	1,400,627	1,400,627	-	-	-
John Muir High School - 03a Modernization, Abatement & Kitchen (95051.0) (2)	30,680,410	30,631,230	30,631,230	-	-	49,180
John Muir High School - 03b Black Box Theater Project (95183.0) (2)	3,724,986	3,724,986	3,724,986	-	-	-
John Muir High School - 03c Bldg D Accessibility (95812.0) (2)	354,165	349,165	349,165	-	-	5,000
John Muir High School - COMPLETE: Artificial Surface Field & Track (95004.	1,518,980	1,518,980	1,518,980	-	-	-
John Muir High School - COMPLETE: Building G & L Window Replacement (95125	404,282	404,282	404,282	-	-	-
John Muir High School - COMPLETE: Career Technical Education (95145.0)	90,596	90,596	90,596	-	-	-
John Muir High School - COMPLETE: Kitchen Moderniation (95154.0)	6,000	6,000	6,000	-	-	-
John Muir High School - COMPLETE: Measure T E-Rate (95180.0)	555,842	555,842	555,842	-	-	-
John Muir High School - COMPLETE: Security System (95132.0)	159,785	159,785	159,785	-	-	-
John Muir High School - Culinary Arts Project (95184.0)	20,766	20,766	20,766	-	-	-
John Muir High School - Track and Field 95005.0 (2)	739,195	739,195	739,195	-	-	-
JOHN MUIR HIGH TOTAL	38,255,006	38,200,827	38,200,827	-	-	54,180
Linda Vista Elementary School - COMPLETE: Interior Structural Cleanup (95014.0)	39,580	39,580	39,580	-	-	-
Linda Vista Elementary School - Modernization (95188.0)	137,250	137,250	137,250	-	-	-
LINDA VISTA ELEM. TOTAL	176,830	176,830	176,830	-	-	-



Budget Status by Fund

Budget status summary by Fund in selected Projects (thru 01/17/2023)

Budget vs. Commitments and Expenditures by Fund

Reconciliation Always in Progress

21.1 - GOB (Measure TT Series A)			Fund 21.1 Analysis	
Loma Alta Elementary School - COMPLETE: Measure T E-Rate (95180.0) (2)	63,647	63,647	63,647	-
Loma Alta Elementary School - COMPLETE: Modernization Project (95033.0)	171,002	171,002	171,002	-
Loma Alta Elementary School - COMPLETE: Pre K conversion & Fire sprinkler enclos	181,497	181,497	181,497	-
Loma Alta Elementary School - COMPLETE: Retaining Wall & Street Improvements (95	1,013,583	1,013,583	1,013,583	-
Loma Alta Elementary School - COMPLETE: Water Meter Separation (95101.0)	27,355	27,355	27,355	-
LOMA ALTA ELEM. TOTAL	1,457,084	1,457,084	1,457,084	-
Longfellow Elementary School - 10 HVAC Upgrades (95146.0)	2,320,756	2,320,756	2,320,756	-
Longfellow Elementary School - COMPLETE: Child Care Center (95061.0)	300,503	300,503	300,503	-
Longfellow Elementary School - COMPLETE: Measure T E-Rate (95180.0) (2)	130,358	130,358	130,358	-
Longfellow Elementary School - New Kitchen Bldg/Lunch Shelter/Auditorium (95050.0)	1,340,458	1,340,458	1,340,458	-
LONGFELLOW ELEM. TOTAL	4,092,074	4,092,074	4,092,074	-
Madison Elementary School - Bldg A & Auditorium Renovation (95010.0)	596,259	596,259	596,259	-
Madison Elementary School - COMPLETE: Measure T E-Rate (95180.0)	96,100	96,100	96,100	-
Madison Elementary School - COMPLETE: Window Replacement (95084.0)	858,784	858,784	858,784	-
Madison Elementary School - Kitchen Modernization (95048.0)	309,396	309,396	309,396	-
Madison Elementary School - Modernization (95063.0) (2)	4,109,419	4,109,419	4,109,419	-
MADISON ELEM. TOTAL	5,969,957	5,969,957	5,969,957	-
Marshall Fundamental Secondary School - 09 HVAC Upgrades (95146.0)	982,595	982,595	982,595	-
Marshall Fundamental Secondary School - COMPLETE: Career Technical Education (9	850	850	850	-
Marshall Fundamental Secondary School - COMPLETE: Electrical Upgrades (95091.0)	352,698	352,698	352,698	-
Marshall Fundamental Secondary School - COMPLETE: Library Modernization & Site I	1,760,215	1,760,215	1,760,215	-
Marshall Fundamental Secondary School - COMPLETE: Measure T E-Rate (95180.0)	428,192	428,192	428,192	-
Marshall Fundamental Secondary School - COMPLETE: Water Meter Separation (95103	21,090	21,090	21,090	-
Marshall Fundamental Secondary School - COMPLETE: Window Replacement (95094.0)	1,767,862	1,767,862	1,767,862	-
Marshall Fundamental Secondary School - Marshall HS - Band Rm Repair (97107.0)	275,000	38,895	11,234	27,661
Marshall Fundamental Secondary School - Old Gym Renovation Project (95185.0)	1,333,706	1,333,706	1,333,706	-
Marshall Fundamental Secondary School - Sports Complex (95049.0) (2)	12,702,031	12,702,031	12,702,031	-
MARSHALL FUNDAMENTAL TOTAL	19,624,240	19,388,134	19,360,474	27,661
Mckinley Elementary School - COMPLETE: Career Technical Education (95145.0)	51,619	51,619	51,619	-
Mckinley Elementary School - COMPLETE: Measure T E-Rate (95180.0)				-
				236,105



Budget Status by Fund

Budget status summary by Fund in selected Projects (thru 01/17/2023)

Budget vs. Commitments and Expenditures by Fund

Reconciliation Always in Progress

	21.1 - GOB (Measure TT Series A)			Fund 21.1 Analysis	
	188,409	188,409	188,409	-	-
McKinley Elementary School - COMPLETE: Water Meter Separation (95159.0)	112,485	112,485	112,485	-	-
McKinley Elementary School - Phase I New Construction (95046.0)	20,006,670	20,006,670	20,006,670	-	-
McKinley Elementary School - Phase II Modernization (95123.0) (2)	869,493	868,396	868,396	-	1,098
MCKINLEY K-8 TOTAL	21,228,676	21,227,578	21,227,578	-	1,098
Norma Coombs Elementary - 05a New CR Wing & Admin Bldg (95133.0) (2)	10,439,301	10,434,301	10,434,301	-	5,000
Norma Coombs Elementary - 05b Central Plant Replacement (95146.0)	1,358,170	1,358,170	1,358,170	-	-
Norma Coombs Elementary - COMPLETE: Measure T E-Rate (95180.0)	146,511	146,511	146,511	-	-
Norma Coombs Elementary - COMPLETE: Shade Structures/Field Renovation (95021)	75,715	75,715	75,715	-	-
Norma Coombs Elementary - COMPLETE: Water Meter Separation (95116.0) (2)	21,400	21,400	21,400	-	-
NORMA COOMBS ELEM. TOTAL	12,041,097	12,036,097	12,036,097	-	5,000
Pasadena High School - Campus Identity/Modernization Project (97108.0)	220,000	157,939	38,580	119,359	62,061
Pasadena High School - 02a Modernize Gymnasium Complex (95075.0) (2)	20,861,288	20,848,782	20,848,782	-	12,507
Pasadena High School - 02c ADA Upgrade (DSA) (95074.0) (2)	575,735	555,305	555,305	-	20,430
Pasadena High School - Central Chilled Water Plant Project (95146.0) (2)	4,158,322	3,878,789	3,878,789	-	279,533
Pasadena High School - COMPLETE: Artificial Track & Field (95005.0)	2,099,063	2,099,063	2,099,063	-	-
Pasadena High School - COMPLETE: Career Technical Education (95145.0)	116,593	116,593	116,593	-	-
Pasadena High School - COMPLETE: Drainage at Fields (95006.0)	700,902	700,902	700,902	-	-
Pasadena High School - COMPLETE: Fire Alarm Corrections (95161.0) (2)	36,005	36,005	36,005	-	-
Pasadena High School - COMPLETE: Measure T E-Rate (95180.0)	644,227	644,227	644,227	-	-
Pasadena High School - Kitchen Project (95139.0) (2)	287,321	287,321	287,321	-	-
Pasadena High School - Security System Upgrades (95117.0) (2)	248,424	248,424	248,424	-	-
Pasadena High School - Track and Field (95005.1) (2)	787,557	756,826	756,826	-	30,731
Pasadena High School (Phase 2) - 02d Campus Upgrds/Restrooms Upgrades (95119.0)	3,247,278	2,996,737	2,996,737	-	250,541
Pasadena High School (Phase 3) - 02b Campus Appearance/Identity (95080.0) (1) (2) (4)	184,994	159,996	159,996	-	24,998
PASADENA HIGH TOTAL	34,167,710	33,486,910	33,367,551	119,359	680,800
Roosevelt Elementary School - 12 Multi-purpose Facility (95025.0) (2)	1,831,607	1,831,607	1,831,607	-	-
Roosevelt Elementary School - COMPLETE: Auto Door Openers (95062.0)	98,844	98,844	98,844	-	-
Roosevelt Elementary School - COMPLETE: Measure T E-Rate (95180.0)	96,100	96,100	96,100	-	-
ROOSEVELT ELEM. TOTAL	2,026,550	2,026,550	2,026,550	-	-



Budget Status by Fund

Budget status summary by Fund in selected Projects (thru 01/17/2023)

Budget vs. Commitments and Expenditures by Fund

Reconciliation Always in Progress

21.1 - GOB (Measure TT Series A)			Fund 21.1 Analysis		
Rose City High School - 07 Modification (95170.0) (2)					
	454,659	454,659	454,659	-	-
Rose City High School - COMPLETE: Career Technical Education (95145.0)					
	232,608	232,608	232,608	-	-
Rose City High School - COMPLETE: Measure T E-Rate (95180.0)					
	134,493	134,493	134,493	-	-
ROSE CITY HIGH TOTAL	821,759	821,759	821,759	-	-
San Rafael Elementary School - COMPLETE: Measure T E-Rate (95180.0)					
	94,930	94,930	94,930	-	-
San Rafael Elementary School - COMPLETE: Phase I (95011.0/17.0)					
	169,380	169,380	169,380	-	-
San Rafael Elementary School - Modernization (95030.0) (2)					
	1,957,504	1,949,926	1,949,926	-	7,578
SAN RAFAEL ELEM. TOTAL	2,221,814	2,214,236	2,214,236	-	7,578
Sierra Madre Elementary School - 06 Phase II Upgrades (95126.0)					
	756,811	756,811	756,811	-	-
Sierra Madre Elementary School - COMPLETE: Phase I - New Permanent Classroom Bldg (95045.0) (2)					
	4,074,221	4,074,221	4,074,221	-	-
SIERRA MADRE ELEM. TOTAL	4,831,032	4,831,032	4,831,032	-	-
Sierra Madre Middle School - COMPLETE: Career Technical Education (95145.0)					
	38,113	38,113	38,113	-	-
Sierra Madre Middle School - COMPLETE: Measure T E-Rate (95180.0)					
	299,998	299,998	299,998	-	-
Sierra Madre Middle School - New MS Campus (95038.0) (2)					
	38,355,219	38,355,219	38,355,219	-	-
SIERRA MADRE MS TOTAL	38,693,330	38,693,330	38,693,330	-	-
Washington Accelerated Elementary School - 01 New Classroom/MPR Bldg (95045.0) (2)					
	20,301,145	20,301,145	20,301,145	-	-
Washington Accelerated Elementary School - Campus Improvements - Measure Y					
	5,631	5,631	5,631	-	-
Washington Accelerated Elementary School - COMPLETE: Measure T E-Rate (95180.0)					
	251,858	251,858	251,858	-	-
Washington Accelerated Elementary School - New Child Care Center (95067.0) (2)					
	123,747	118,747	118,747	-	5,000
WASHINGTON ES TOTAL	20,682,381	20,677,381	20,677,381	-	5,000
Washington Middle School - COMPLETE: Career Technical Education (95145.0)					
	34,572	34,572	34,572	-	-
Washington Middle School - COMPLETE: Measure T E-Rate 95180.0 (2)					
	261,489	261,489	261,489	-	-
Washington Middle School - New Constr. & Mod. (95081.0) (2)					
	16,256,837	16,247,644	16,244,203	3,440	9,193
WASHINGTON MS TOTAL	16,552,898	16,543,705	16,540,265	3,440	9,193
Webster Elementary School - Aud/AdminBldg/Kitchen/Playground (95047.0) (2)					
	2,181,333	2,181,333	2,181,333	-	-
Webster Elementary School - COMPLETE: Kitchen Modernization (95083.0)					
	19,858	19,858	19,858	-	0
Webster Elementary School - COMPLETE: Measure T E-Rate 95180.0					
	139,666	139,666	139,666	-	-
Webster Elementary School - COMPLETE: Preschool Shade Structure (95105.0)					
	132,613	132,613	132,613	-	-
WEBSTER ELEM. TOTAL	2,473,471	2,473,471	2,473,471	-	0
Willard Elementary School - COMPLETE: Exterior Upgrade & Window Replacement (95045.0) (2)					
	711,113	711,113	711,113	-	-
Willard Elementary School - COMPLETE: Field Installation/Irrigation & Demo (95045.0) (2)					
	156,606	156,606	156,606	-	-



Budget Status by Fund

Budget status summary by Fund in selected Projects (thru 01/17/2023)

Budget vs. Commitments and Expenditures by Fund

Reconciliation Always in Progress

21.1 - GOB (Measure TT Series A)				Fund 21.1 Analysis		
Willard Elementary School - COMPLETE: Multi-Use Room (95002.0)						
	428,811	428,811	428,811	-		-
Willard Elementary School - COMPLETE: Power & Fire Alarm Upgrade (95065.0)						
	393,698	393,698	393,698	-		-
Willard Elementary School - COMPLETE: Water Meter Separation (95108.0)						
	47,115	47,115	47,115	-		-
Willard Elementary School - HVAC Upgrades (95187.0)						
	297,217	297,217	297,217	-		-
Willard Elementary School - Kinder and Pre-K Complex (95115.0) (2)						
	4,138,009	4,138,009	4,138,009	-		-
WILLARD ELEM. TOTAL	6,172,568	6,172,568	6,172,568	-	-	-
Wilson Middle School - COMPLETE: Classroom Demolition (95028.0)						
	72,421	72,421	72,421	-		-
Wilson Middle School - COMPLETE: Painting & Window Replacement (95009.0)						
	618,777	618,777	618,777	-		-
Wilson Middle School - COMPLETE: Water Meter Separation (95109.0)						
	79,225	79,225	79,225	-		-
Wilson Middle School - Gym/Locker RM Courtyard Mod (95113.0)						
	5,036,321	5,036,321	5,036,321	-		-
Wilson Middle School - Interim Housing (95181.0)						
	7,400	7,400	7,400	-		-
WILSON MS TOTAL	5,814,144.58	5,814,144.58	5,814,144.58	-	-	-
	364,292,536	362,462,277	362,292,371	169,906	109,813	1,830,259

COC Report (by Project)

PUSD Projects



Total Bond Funding - 21.3 Measure O - Facilities	\$456,352,760.35
Current Budget Total	\$80,020,196.46
Current Contracts Committed	\$34,637,126.81
Payables Invoiced	\$16,405,234.26
Unallocated Funds	\$376,332,563.89

SCHOOL NAME - PROJECT NAME	PROJECT BUDGET	ORIGINAL CONTRACT	APPROVED CHANGES	CURRENT CONTRACT AMT	INVOICED TO DATE	BUDGET DELTA	COMMITMENT REMAINING
School Type: 01- Elementary Schools	\$10,926,996.44	\$5,865,971.28	\$0.00	\$5,865,971.28	\$2,022,153.83	\$5,061,025.16	\$3,843,817.45
School Name: Altadena Arts Magnet	\$935,413.89	\$531,228.73	\$0.00	\$531,228.73	\$370,762.93	\$404,185.16	\$160,465.80
Project: Phase 1 Reroofing Program	\$485,413.89	\$485,413.89	\$0.00	\$485,413.89	\$370,762.93	\$0.00	\$114,650.96
Project: Relocation of (3) Portables from Allendale	\$450,000.00	\$45,814.84	\$0.00	\$45,814.84	\$0.00	\$404,185.16	\$45,814.84
School Name: Don Benito Fundamental	\$822,388.64	\$822,388.64	\$0.00	\$822,388.64	\$229,745.57	\$0.00	\$592,643.07
Project: Phase 2 Reroofing Program	\$822,388.64	\$822,388.64	\$0.00	\$822,388.64	\$229,745.57	\$0.00	\$592,643.07
School Name: Field Elementary	\$625,000.00	\$18,160.00	\$0.00	\$18,160.00	\$6,200.00	\$606,840.00	\$11,960.00
Project: Field ES Fencing and Curb Appeal	\$625,000.00	\$18,160.00	\$0.00	\$18,160.00	\$6,200.00	\$606,840.00	\$11,960.00
School Name: Jefferson Children's Center	\$193,180.57	\$193,180.57	\$0.00	\$193,180.57	\$130,310.51	\$0.00	\$62,870.06
Project: Phase 1 Reroofing Program	\$193,180.57	\$193,180.57	\$0.00	\$193,180.57	\$130,310.51	\$0.00	\$62,870.06
School Name: Madison Elementary	\$939,010.77	\$939,010.77	\$0.00	\$939,010.77	\$796,514.60	\$0.00	\$142,496.17
Project: Phase 1 Reroofing Program	\$939,010.77	\$939,010.77	\$0.00	\$939,010.77	\$796,514.60	\$0.00	\$142,496.17
School Name: Norma Coombs Elementary	\$1,972,966.25	\$1,622,966.25	\$0.00	\$1,622,966.25	\$0.00	\$350,000.00	\$1,622,966.25
Project: Phase 2 Reroofing Program	\$1,622,966.25	\$1,622,966.25	\$0.00	\$1,622,966.25	\$0.00	\$0.00	\$1,622,966.25
Project: HVAC Upgrade Norma Coombs	\$350,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$350,000.00	\$0.00
School Name: San Rafael Elementary	\$740,094.00	\$740,094.00	\$0.00	\$740,094.00	\$0.00	\$0.00	\$740,094.00
Project: Phase 2 Reroofing Program	\$740,094.00	\$740,094.00	\$0.00	\$740,094.00	\$0.00	\$0.00	\$740,094.00
School Name: Sierra Madre Elementary	\$2,522,860.22	\$322,860.22	\$0.00	\$322,860.22	\$194,420.45	\$2,200,000.00	\$128,439.77
Project: Phase 1 Reroofing Program	\$322,860.22	\$322,860.22	\$0.00	\$322,860.22	\$194,420.45	\$0.00	\$128,439.77

COC Report (by Project)

PUSD Projects



SCHOOL NAME - PROJECT NAME	PROJECT BUDGET	ORIGINAL CONTRACT	APPROVED CHANGES	CURRENT CONTRACT AMT	INVOICED TO DATE	BUDGET DELTA	COMMITMENT REMAINING
Project: Central Plant Upgrades	\$2,200,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,200,000.00	\$0.00
School Name: Webster Elementary	\$2,176,082.10	\$676,082.10	\$0.00	\$676,082.10	\$294,199.77	\$1,500,000.00	\$381,882.33
Project: Phase 1 Reroofing Program	\$481,496.92	\$481,496.92	\$0.00	\$481,496.92	\$225,299.57	\$0.00	\$256,197.35
Project: Phase 2 Reroofing Program	\$194,585.18	\$194,585.18	\$0.00	\$194,585.18	\$68,900.20	\$0.00	\$125,684.98
Project: HVAC Upgrade Webster	\$1,500,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,500,000.00	\$0.00
School Type: 02 - Middle Schools	\$37,400,271.75	\$2,979,277.26	\$0.00	\$2,979,277.26	\$761,458.93	\$34,420,994.49	\$2,217,818.33
School Name: Eliot Arts Magnet Academy	\$871,066.78	\$871,066.78	\$0.00	\$871,066.78	\$761,458.93	\$0.00	\$109,607.85
Project: Phase 1 Reroofing Program	\$871,066.78	\$871,066.78	\$0.00	\$871,066.78	\$761,458.93	\$0.00	\$109,607.85
School Name: McKinley Middle	\$2,108,210.48	\$2,108,210.48	\$0.00	\$2,108,210.48	\$0.00	\$0.00	\$2,108,210.48
Project: Phase 2 Reroofing Program	\$2,108,210.48	\$2,108,210.48	\$0.00	\$2,108,210.48	\$0.00	\$0.00	\$2,108,210.48
School Name: Wilson Middle	\$34,420,994.49	\$0.00	\$0.00	\$0.00	\$0.00	\$34,420,994.49	\$0.00
Project: Wilson MS Campus Reconfiguration - Rose C	\$24,740,222.97	\$0.00	\$0.00	\$0.00	\$0.00	\$24,740,222.97	\$0.00
Project: Wilson MS Campus Reconfiguration - PALS	\$9,680,771.52	\$0.00	\$0.00	\$0.00	\$0.00	\$9,680,771.52	\$0.00
School Type: 03 - High Schools	\$16,117,986.96	\$10,311,936.96	\$0.00	\$10,311,936.96	\$8,326,106.47	\$5,806,050.00	\$1,985,830.49
School Name: John Muir High	\$3,321,894.36	\$3,321,894.36	\$0.00	\$3,321,894.36	\$3,285,506.87	\$0.00	\$36,387.49
Project: Phase 1 Reroofing Program	\$3,321,894.36	\$3,321,894.36	\$0.00	\$3,321,894.36	\$3,285,506.87	\$0.00	\$36,387.49
School Name: Marshall Fundamental	\$3,696,079.59	\$3,310,429.59	\$0.00	\$3,310,429.59	\$1,409,100.59	\$385,650.00	\$1,901,329.00
Project: Phase 1 Reroofing Program	\$1,475,488.09	\$1,475,488.09	\$0.00	\$1,475,488.09	\$1,409,100.59	\$0.00	\$66,387.50
Project: Phase 2 Reroofing Program	\$1,804,591.50	\$1,804,591.50	\$0.00	\$1,804,591.50	\$0.00	\$0.00	\$1,804,591.50
Project: Marshall Softball Repair and Renovation	\$416,000.00	\$30,350.00	\$0.00	\$30,350.00	\$0.00	\$385,650.00	\$30,350.00
School Name: Pasadena High School + Focus Point	\$9,100,013.01	\$3,679,613.01	\$0.00	\$3,679,613.01	\$3,631,499.01	\$5,420,400.00	\$48,114.00
Project: Phase 1 Reroofing Program	\$3,675,013.01	\$3,675,013.01	\$0.00	\$3,675,013.01	\$3,631,499.01	\$0.00	\$43,514.00
Project: Focus Point Fencing	\$75,000.00	\$4,600.00	\$0.00	\$4,600.00	\$0.00	\$70,400.00	\$4,600.00

COC Report (by Project)

PUSD Projects



SCHOOL NAME - PROJECT NAME	PROJECT BUDGET	ORIGINAL CONTRACT	APPROVED CHANGES	CURRENT CONTRACT AMT	INVOICED TO DATE	BUDGET DELTA	COMMITMENT REMAINING
Project: Identity Project (Construction)	\$5,000,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,000,000.00	\$0.00
Project: HVAC Upgrade PHS	\$350,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$350,000.00	\$0.00
School Type: 04 - Charter Schools	\$1,148,621.68	\$1,148,621.68	\$0.00	\$1,148,621.68	\$336,213.70	\$0.00	\$812,407.98
School Name: Cleveland - ECDP - SPED - OCS-South	\$361,064.58	\$361,064.58	\$0.00	\$361,064.58	\$115,623.80	\$0.00	\$245,440.78
Project: Phase 2 Reroofing Program	\$361,064.58	\$361,064.58	\$0.00	\$361,064.58	\$115,623.80	\$0.00	\$245,440.78
School Name: Loma Alta - Oak Knoll - Pasadena Rosebud Academy	\$787,557.10	\$787,557.10	\$0.00	\$787,557.10	\$220,589.90	\$0.00	\$566,967.20
Project: Phase 2 Reroofing Program	\$787,557.10	\$787,557.10	\$0.00	\$787,557.10	\$220,589.90	\$0.00	\$566,967.20
School Type: 06 - Educational Technology	\$432,569.31	\$432,569.31	\$0.00	\$432,569.31	\$337,248.14	\$0.00	\$95,321.17
School Name: Districtwide Projects	\$432,569.31	\$432,569.31	\$0.00	\$432,569.31	\$337,248.14	\$0.00	\$95,321.17
Project: IP Phone Upgrade	\$432,569.31	\$432,569.31	\$0.00	\$432,569.31	\$337,248.14	\$0.00	\$95,321.17
School Type: 07 - Facilities	\$13,993,750.32	\$13,898,750.32	\$0.00	\$13,898,750.32	\$4,622,053.19	\$95,000.00	\$9,276,697.13
School Name: District Service Center	\$13,993,750.32	\$13,898,750.32	\$0.00	\$13,898,750.32	\$4,622,053.19	\$95,000.00	\$9,276,697.13
Project: Phase 1 Reroofing Program	\$1,862,179.97	\$1,862,179.97	\$0.00	\$1,862,179.97	\$1,708,541.01	\$0.00	\$153,638.96
Project: Facilities	\$12,036,570.35	\$12,036,570.35	\$0.00	\$12,036,570.35	\$2,913,512.18	\$0.00	\$9,123,058.17
Project: Districtwide Turnkey Design and Construction	\$95,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$95,000.00	\$0.00
21.3 Measure O - Facilities Totals:	\$80,020,196.46	\$34,637,126.81	\$0.00	\$34,637,126.81	\$16,405,234.26	\$45,383,069.65	\$18,231,892.55

COC Report (by Project)

PUSD Projects



Total Bond Funding - 21.2 Measure O - ITS	\$59,909,702.81
Current Budget Total	\$22,827,901.97
Current Contracts Committed	\$22,827,901.97
Payables Invoiced	\$8,807,883.34
Unallocated Funds	\$37,081,800.84

SCHOOL NAME - PROJECT NAME	PROJECT BUDGET	ORIGINAL CONTRACT	APPROVED CHANGES	CURRENT CONTRACT AMT	INVOICED TO DATE	BUDGET DELTA	COMMITMENT REMAINING
School Type: 06 - Educational Technology	\$22,827,901.97	\$22,791,195.06	\$36,706.91	\$22,827,901.97	\$8,807,883.34	\$0.00	\$14,020,018.63
School Name: Districtwide Projects	\$22,827,901.97	\$22,791,195.06	\$36,706.91	\$22,827,901.97	\$8,807,883.34	\$0.00	\$14,020,018.63
Project: Staff Device Refresh	\$7,922,259.69	\$7,885,552.78	\$36,706.91	\$7,922,259.69	\$0.00	\$0.00	\$7,922,259.69
Project: Server Wide Infrastructure Upgrade	\$1,624,580.59	\$1,624,580.59	\$0.00	\$1,624,580.59	\$1,609,667.90	\$0.00	\$14,912.69
Project: Student Device Refresh	\$12,568,385.40	\$12,568,385.40	\$0.00	\$12,568,385.40	\$6,530,372.68	\$0.00	\$6,038,012.72
Project: Computer Lab Upgrade - PHS	\$44,833.53	\$44,833.53	\$0.00	\$44,833.53	\$0.00	\$0.00	\$44,833.53
Project: Chromebook Lease Buyback	\$667,842.76	\$667,842.76	\$0.00	\$667,842.76	\$667,842.76	\$0.00	\$0.00
21.2 Measure O - ITS Totals:	\$22,827,901.97	\$22,791,195.06	\$36,706.91	\$22,827,901.97	\$8,807,883.34	\$0.00	\$14,020,018.63

Project Status Report (by School)

PUSD Projects



Fund Source: 21.3 Measure O - Facilities

Total Projects	32
Construction	21
Design	9
Procurement	2

SCHOOL NAME - PROJECT NAME	PHASE	NTP DATE	SUBSTANTIAL COMPLETION	PERCENT COMPLETE	DSA REQ'D	UPDATE STATUS
School Type: 01- Elementary Schools						
School Name: Altadena Arts Magnet						
Project: Relocation of (3) Portables from Allendale	Design			0%	Yes	DSA OTC appointment scheduled 1/19/23 DSA fees paid by tBP Architects. District to reimburse tBP.
Project: Phase 1 Reroofing Program	Construction	6/6/2022		95%	Yes	Work in progress, at 95% completion, punch walk slated for week of 1/23
School Name: Don Benito Fundamental						
Project: Phase 2 Reroofing Program	Construction			0%		Start: Summer 23
School Name: Field Elementary						
Project: Field ES Fencing and Curb Appeal	Design			0%		Pending Design in process. Site visit with the District TBD to finalize design on the fences.
School Name: Jefferson Children's Center						
Project: Phase 1 Reroofing Program	Construction	6/6/2022		95%	No	Work in progress, at 95% completion, punch walk slated for week of 1/23
School Name: Madison Elementary						
Project: Phase 1 Reroofing Program	Construction	6/6/2022		98%	No	Work in progress, at 98% completion, punch walk slated for week of 1/23
School Name: Norma Coombs Elementary						
Project: Phase 2 Reroofing Program	Construction			0%		Start: Summer 23
Project: HVAC Upgrade Norma Coombs	Construction			0%		HVAC to be replaced due to roofing project. RFP to be issued 1/9
School Name: San Rafael Elementary						
Project: Phase 2 Reroofing Program	Construction			0%		Start: Summer 23

Project Status Report (by School)

PUSD Projects



SCHOOL NAME - PROJECT NAME	PHASE	NTP DATE	SUBSTANTIAL COMPLETION	PERCENT COMPLETE	DSA REQ'D	UPDATE STATUS
School Name: Sierra Madre Elementary						
Project: Central Plant Upgrades	Design			0%	No	Scope includes Power Service Upgrade. Award for Jan 23 BOE
Project: Phase 1 Reroofing Program	Construction	6/6/2022		90%	No	Work in progress, at 90% completion, punch walk slated for week of 1/23
School Name: Webster Elementary						
Project: Phase 2 Reroofing Program	Construction			0%		Start: Summer 23
Project: HVAC Upgrade Webster	Construction			0%		HVAC to be replaced due to roofing project. RFP to be issued 1/9
Project: Phase 1 Reroofing Program	Construction	6/6/2022		90%	No	Work in progress, at 90% completion, punch walk slated for week of 1/23
School Type: 02 - Middle Schools						
School Name: Eliot Arts Magnet Academy						
Project: Phase 1 Reroofing Program	Construction	6/6/2022		95%	No	Work in progress, at 95% completion, punch walk slated for week of 1/23
School Name: McKinley Middle						
Project: Phase 2 Reroofing Program	Construction			0%		Start: Summer 23
School Name: Wilson Middle						
Project: Wilson MS Campus Reconfiguration - PALS	Design			0%		Detailed programming scope in work. Proposal due from PJHM.
Project: Wilson MS Campus Reconfiguration - Rose City HS	Design			0%		Detailed programming scope in work. Proposal due from PJHM.
School Type: 03 - High Schools						
School Name: John Muir High						
Project: Phase 1 Reroofing Program	Construction	6/6/2022		90%	No	Work in progress, at 90% completion, punch walk slated for week of 1/23
School Name: Marshall Fundamental						
Project: Phase 2 Reroofing Program	Construction			0%		Start: Summer 23

Project Status Report (by School)

PUSD Projects



SCHOOL NAME - PROJECT NAME	PHASE	NTP DATE	SUBSTANTIAL COMPLETION	PERCENT COMPLETE	DSA REQ'D	UPDATE STATUS
Project: Marshall Softball Repair and Renovation	Design			0%		Survey report submitted to Architect to finalize design. Meeting with Principal 1/23 at 1PM. Need DSA-1 to be filed by AOR, reimbursable fee check amount TBD.
Project: Phase 1 Reroofing Program	Construction	6/6/2022		90%	No	Work in progress, at 90% completion, punch walk slated for week of 1/23
School Name: Pasadena High School + Focus Point						
Project: Identity Project (Construction)	Design			0%		Awaiting approved design docs for RFP
Project: Phase 1 Reroofing Program	Construction	6/6/2022		95%	No	Work in progress, at 95% completion, punch walk slated for week of 1/23
Project: Focus Point Fencing	Design			0%		On hold.
Project: HVAC Upgrade PHS	Construction			0%		HVAC to be replaced due to roofing project. RFP to be issued 1/9
School Type: 04 - Charter Schools						
School Name: Cleveland - ECDP - SPED - OCS-South						
Project: Phase 2 Reroofing Program	Construction			0%		Start: Summer 23
School Name: Loma Alta - Oak Knoll - Pasadena Rosebud Academy						
Project: Phase 2 Reroofing Program	Construction			0%		Start: Summer 23
School Type: 06 - Educational Technology						
School Name: Districtwide Projects						
Project: IP Phone Upgrade	Procurement			10%	No	No action required. Multi-year active project (future invoices)
School Type: 07 - Facilities						
School Name: District Service Center						
Project: Facilities	Procurement				No	On going professional service contracts
Project: Phase 1 Reroofing Program	Construction	6/6/2022		80%	No	Work in progress, at 90% completion, punch walk slated for week of 1/23

Project Status Report (by School)

PUSD Projects



SCHOOL NAME - PROJECT NAME	PHASE	NTP DATE	SUBSTANTIAL COMPLETION	PERCENT COMPLETE	DSA REQ'D	UPDATE STATUS
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Project: Districtwide Turnkey Design and Construction
Energy Services with Schneider Electric

Design

In work

Project Status Report (by School)

PUSD Projects



Fund Source: 21.2 Measure O - ITS

Total Projects	3
Procurement	3

SCHOOL NAME - PROJECT NAME	PHASE	NTP DATE	SUBSTANTIAL COMPLETION	PERCENT COMPLETE	DSA REQ'D	UPDATE STATUS
School Type: 06 - Educational Technology						
School Name: Districtwide Projects						
Project: Staff Device Refresh	Procurement			5%		No action required. Multi-year active project (future invoices)
Project: Server Wide Infrastructure Upgrade	Procurement			95%		No action required. Dell 23*0897 remaining balance in the account.
Project: Student Device Refresh	Procurement			95%		No action required. Multi-year active project (future invoices)

PASADENA UNIFIED SCHOOL DISTRICT - DSA CERTIFICATION STATUS

JANUARY 2023

Types of DSA Closeout Letters :

referenced: <https://www.dgs.ca.gov/DSA/Resources/Page-Content/Resources-List-Folder/Project-Certification-for-School-Essential-Services-Construction-Projects>

- 1 **Closeout with Certification:** This letter indicates that the requirements of the construction process were fulfilled in accordance with rules and regulations.
- 2 **Certificate of Compliance without Receipt of All Documents:** This letter indicates that the allowable alternatives were utilized for documentation of the construction process and the project can be certified.
- 301-P **Notification of Requirement for Certification:** This document indicates the project is not certified due to incomplete or missing documents or potential safety deficiencies. **(Replaces type 3)**
- 5 **Resolution of Certification Due to Structures:** This letter indicates that the matter of certification is resolved since the uncertified structures have been destroyed or removed from their approved locations.
- 5A **Resolution of Certification:** This letter indicates the matter of certification is resolved due to discontinued use of a school site.
- Void **Void:** This document indicates the project has reached expiration after 4 years of approval date, will need to resubmit new application

Certification of Compliance					
	DSA #	School	Scope	Letter Issue Date	Type
1	03-51695	Pasadena Alternative School	Construction of Concrete Ramps; Alterations to 10_Classroom Bldgs. (Relocation) and Toilet Building	11/5/2019	1
2	03-54039	Various Schools	Portion Only Relocation of 1_CR Bldg at Field ES Relocatable from stockpile Site Work	8/12/2016	2
3	03-54626	/	Lab Shop Weld	5/30/2012	2
4	03-66023	Blair High School	Construction of Elevator Building	8/6/2019	2
5	03-103896	Noyes Elementary	Construction of Bldg M Ramps Retaining Walls_Alterations to Bldg K E G and CR Bldgs B C D	1/6/2017	1
6	03-112814	Blair Middle School	Admin CR Science Bldg Lunch Shelter and Site Work	12/19/2013	2
7	03-113430	Sierra Madre Middle School	Admin Lib Bldg A B Bldg C Gym Bldg Bldg E F	7/30/2020	1
8	03-113658	Washington Elemenary School	Existing Parking Lot Bldg 7 Bldg 8 and Campus wide Fire Alarm System	4/21/2021	1
9	03-113709	Blair High School	Admin Library Student Store Alterations_Classrooms Fire Alarm Sprinkler System Reroofing HVAC	2/10/2020	1
10	03-115288	Norma Coombs Elementary School	Existing Parking Lot Bldg 7 Bldg 8 and Campus wide Fire Alarm System	11/26/2019	1
11	03-115534	John Muir High School	Bldg B Sitework_Bldg E HVAC Hot Water_Bldg A B BB C D E F G G3 G4 G5 J L M Fire Alarm Upgrades	10/20/2020	1
12	03-115775	Marshall Fundamental High School	Tennis Courts_Chain Link Fence_Gym Toilet Modernization_Accessible Parking	11/20/2019	1
13	03-115817	Pasadena High School	Additions to 1_bldg A entry Lobby Alterations_to (3) bldgs J K L (4) Toilet Room access (4) bldgs A R T U	11/9/2021	1
14	03-115819	John Muir High School	Bldg B Alterations_Kitchen Modernization and Restroom Upgrade	10/20/2020	1
15	03-115852	Marshall Fundamental School	Construction Grading Pad for Gym Classroom Bldg_ New Gym Classroom Bldg_Sitework	11/19/2019	1
16	03-116480	Jackson Elementary School	Relocation of 4_Classroom Buildings	5/19/2020	1
17	03-116668	John Muir High School	Alterations to Career and Council Center Bldg E	10/23/2020	1
18	03-116700	John Muir High School	Alterations to Gymnasium Bldg T Bleacher Replacement_Minor Restroom Alterations	7/6/2020	1
19	03-116995	Norma Coombs Elementary School	Relocation of 3_24x40 Relocatable Classroom Bldgs	1/26/2019	1
20	03-117169	McKinley Elementary School	Construction of 5_Shade Structures	6/27/2019	1
21	03-117186	McKinley Elementary School	Construction of 12x40 Relocatable Temporary Toilet Bldg	6/27/2019	1
22	03-117507	Norma Coombs Elementary School	Alterations to 1_Bldg 5 Replacement of Central Plant Equipment	12/3/2019	1
23	03-117903	John Muir High School	Alterations to 1_Music Humanities Bldg D and Associated Sitework Security Upgrades	2/1/2021	2
24	03-118031	Jackson Elementary School	Alterations of 1_Bldg C_Construction of 1 Parking lot and drop off area	3/15/2019	1
25	03-118398	Elliot Middle School	Alterations of 2_Concrete Pads and Replace One Chiller	7/9/2019	1

26	03-118520	Longfellow Elementary School	Construction of 1_Enclosed Mechanical Equipment Yard and Shade Structure	4/9/2019	1
27	03-118958	Jackson Elementary School	Relocation of 3_Classroom Buildings	1/14/2020	1
28	03-119891	Audubon-Odyssey Charter School	Alterations to 1_Administration Building F and 5_Classroom Buildings A B C D E F Hvac Additions	1/28/2020	1
29	03-120129	John Muir High School	Relocation of 1_Toilet Building 12x40 Relocate from stockpile	7/7/2020	1
30	03-120133	Hamilton Elementary School	Relocation of 3_Relocatable Classroom Buildings	9/3/2020	1
31	03-120865	Pasadena High School	Alterations to 1_Bldg U and Equip Yard - Chiller Plant	2/10/2022	1
Close of File without Certification					
	DSA #	School	Scope	Letter Issue Date	Type
1	03-60360	Various Schools	Alterations to 9 CR Buildings_ 2 ea at Hamilton Longfellow_1 ea Burbank Cleveland Field Franklin SM	11/9/1999	3
2	03-62214	Burbank Elementary	Alterations to classroom building	11/3/1995	3
3	03-64249	Various Schools	Construction of 12 Light Poles_4 at PHS and 8 at Washington Middle School	3/13/2002	3
4	03-65009	Longfellow Elementary School	Construction of Snack Shack Storage Building	10/13/1998	3
5	03-103858	Jefferson Elementary	Construction of 1_Bldg U_ Site work_Alterations to Admin Audit Cafe D E M N	3/2/2006	3
6	03-105858	Rose City High School	Admin Cafeteria Aud Bldg Shop Bldg Music Bldg	5/19/2008	3
7	03-106364	Education Center	Construction of 1_Toilet Building	11/15/2007	3
8	03-106649	Rose City High School	Alteration to Office Bldgs A B C	4/1/2008	3
9	03-111343	Washington Elementary School	Construction of Module Toilet Building	2/10/2014	3
10	03-118142	Pasadena High School	Construction of 2_Pool Equipment and Ticket/Concessions 1 Swimming Pool 2 shade structures 3 lights	4/3/2022	3
On Hold					
	DSA #	School	Scope	Letter Issue Date	Type
1	03-118465	Longfellow Elementary School	Alterations to 1_Building A, Construction of 1_Kitchen Building, covered walkway and associated site work	1/13/22 hold till: 8/28/22	3
2	03-118268	Don Benito Elementary	Alterations to 1_mulit-purpose building C	1/13/22 hold till: 6/31/22	3
Cancel without Refund					
	DSA #	School	Scope	Letter Issue Date	Type
1	03-102411	Various Schools	Alterations to various schools Replace drinking fountains	6/26/2019	VOID
2	03-105881	Various Schools	Alterations to Playgrounds to various schools	6/26/2019	VOID
3	03-110045	Washington Middle School	Antenna support frames on existing building	6/13/2019	VOID
4	03-113535	Longfellow Elementary School	New Kitchens	6/25/2021	VOID
5	03-113887	John Muir High School	Boys Gymnasium Building T Home and Visitors Telescopic Bleachers	6/13/2019	VOID
6	03-118773	Madison Elementary School	DSA Email 11/10 - 3/1/2018: This project shall not be certified until A#03-114047 is certified.	6/17/2019	VOID
Resolution of Certification					
	DSA #	School	Scope	Letter Issue Date	Type
1	03-110741	Hamilton Elementary School	Relocation of Relocatable Clsrn Bldgs	11/3/2020	5
2	03-118337	Norma Coombs Elementary School	Relocation of 3 Interm Classroom Buildings	12/4/2019	5