

TITLE: APPROVAL OF CLASSIFIED PERSONNEL REPORT

Personnel Services
Consent #2

December 15, 2020
Page 1

Prepared by: Sophia Crocker, Director
Classified Personnel Services

Background Information

The following report lists classified personnel actions.

Business Services Requests:

- One new Construction Manager/Project Coordinator position

Educational Services Requests:

- Increase one Community Liaison position
- Abolish one Community Liaison position
- Limited term increase of one School Services Assistant I position
- Two new Secondary Campus Supervisor positions
- Five limited term Elementary Campus Supervisor positions
- Thirty-Seven limited term increases to Elementary Campus Supervisor positions

Student Support Services Requests:

- Four new limited term Paraeducator I, Special Ed. positions
- Two limited term increases of Paraeducator I, Special Ed. positions

Educational Analysis

Support Staff to assist in the education of children.

Fiscal Analysis

Compensation for changes in Business Services positions is an increase of \$74,621.18 for the 2020/2021 fiscal year.

Compensation for changes in Educational Services positions is an increase of \$107,181.23 for the 2020/21 fiscal year.

Compensation for changes in Student Support Services positions is an increase of \$4,760.66 for the 2020/2021 fiscal year.

All other positions are budgeted.

On a motion # 66 of Trustee Blough, seconded by Trustee Smollen and carried by a roll-call vote of 5/0, the Board of Education approved, by roll-call vote, the Classified Personnel Report

Ayes:

LaBelle

Smollen

Bagdasaryan

Blough

Jobran

Noes:

0

Absent:

0

Abstain

0

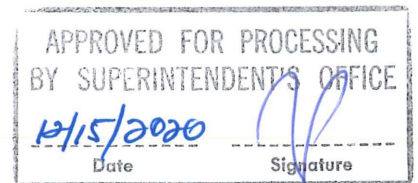
	<u>CLASSIFICATION</u>	<u>RANGE</u>	<u>FROM HOURS</u>	<u>TO HOURS</u>	<u>EFFECTIVE DATE</u>	<u>TYPE OF APPOINTMENT</u>	<u>COMMENTS</u>
<u>NEW POSITIONS</u>							
5070	Construction Manager/Project Coordinator	160		8.00	1/4/21	12 Mos	Bond
5071	Sec Campus Supervisor	CS/1		3.75	1/4/21	10 Mos	SICE
5072	Sec Campus Supervisor	CS/1		3.75	1/4/21	10 Mos	SICE
	Elem Campus Supervisor	40		3.75	11/2/20-5/2/21	Limited Term	Mountain View
	Elem Campus Supervisor	40		3.75	10/26/20- 4/26/21	Limited Term	Township
	Elem Campus Supervisor	40		3.75	10/30/20- 4/30/21	Limited Term	Big Springs
	Elem Campus Supervisor	40		3.75	11/2/20-5/2/21	Limited Term	Mountain View
	Elem Campus Supervisor	40		3.75	10/26/20- 4/26/21	Limited Term	Sycamore
	Paraeducator I, Special Ed.	55		NTE 1 Hrs/Day	9/24/20- 9/30/20	Limited Term	Hillside
	Paraeducator I, Special Ed.	55		NTE 1 Hrs/Day	9/24/20- 9/30/20	Limited Term	Hillside
	Paraeducator I, Special Ed.	55		NTE 1 Hrs/Day	9/24/20- 11/20, 11/30/20- 12/17/20	Limited Term	Hillside
	Paraeducator I, Special Ed.	55		NTE 1.75 Hrs/Day	9/21/20- 11/20, 11/30/20- 12/17/20	Limited Term	Sinaloa
<u>INCREASE POSITIONS</u>							
5065	Community Liason	50	1.875	3.750	1/4/20	10 Mos	Monte Vista
1972	School Services Assistant I	50	2	3.750	11/2/20- 5/2/21	Limited Term	White Oak
3712	Paraeducator I, Special Ed.	55	3	3.750	11/2/20- 5/2/21	Limited Term	Hollow Hills
3991	Paraeducator I, Special Ed.	55	3.5	3.750	11/2/20- 5/2/21	Limited Term	Hollow Hills

	2020/21: PERS covered positions, use: 31.15% non-PERS, use 10.45%								
	<u>CLASSIFICATION</u>	<u>RANGE</u>	<u>FROM HOURS</u>	<u>TO HOURS</u>	<u>EFFECTIVE DATE</u>	<u>TYPE OF APPOINTMENT</u>	<u>COMMENTS</u>	<u>FISCAL YR. IMPACT</u>	<u>ANNUAL EXPENSE</u>
<u>NEW POSITION</u>									
5070	Construction Mgr./Project Coord.	160		8.00	1/4/21	12 Mos	Bond	\$74,621.18	\$152,187.26
5071	Sec Campus Supervisor	CS/1		3.75	1/4/21	10 Mos	SICE	\$6,436.47	\$0.00
5072	Sec Campus Supervisor	CS/1		3.75	1/4/21	10 Mos	SICE	\$6,436.47	\$0.00
	Elem Campus Supervisor	40		3.75	10/26/20-4/26/21	Limited Term	Sycamore	\$6,308.99	\$0.00
	Elem Campus Supervisor	40		3.75	10/26/20-4/26/21	Limited Term	Township	\$6,308.99	\$0.00
	Elem Campus Supervisor	40		3.75	10/30/20-4/30/21	Limited Term	Big Springs	\$6,308.99	\$0.00
	Elem Campus Supervisor	40		3.75	11/2/20-5/2/21	Limited Term	Mountain View	\$6,308.99	\$0.00
	Elem Campus Supervisor	40		3.75	11/2/20-5/2/21	Limited Term	Mountain View	\$6,308.99	\$0.00
	Paraeducator I, Special Ed.	55		1.75	9/24/20-11/20/20, 11/30/20-12/17/20	Limited Term	Sinaloa	\$1,713.84	\$0.00
	Paraeducator I, Special Ed.	55		1.00	9/24/20-9/30/20	Limited Term	Hillside	\$72.54	

12/15/2020

Sophia Crocker_____

Dan Houghton_____



TITLE: AUTHORIZATION TO AWARD BID #21L1BX349, SECURITY FENCING & LANDSCAPE IMPROVEMENTS AT PARK VIEW E.S.

Business & Facilities
Consent #4

December 15, 2020
Page 1 of 1

Prepared by: Ron Todo, Associate Superintendent
Business and Facilities

Background Information

Six bids were received on December 1, 2020 for Bid #21L1BX349, Security Fencing & Landscape Improvements at Park View E.S. The recommended low bidder is indicated in bold type.

<u>Construction Company Name</u>	<u>Bid Amount</u>
Ardalan Construction Company, Inc.	\$625,000
Chalmers Construction Services, Inc.	\$496,000
G2K Construction	\$673,888
Hughes General Engineering	\$559,000
Staples Construction Company	\$641,380
United Construction & Landscape	\$643,000

Additional information is available in the Bond Management Office.

Fiscal Analysis

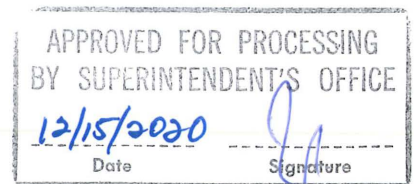
The total amount of this project \$496,000 will be funded by Measure X Bond Funds.

Recommendation

It is recommended that the Board of Education authorize award of Bid #21L1BX349, Security Fencing & Landscape Improvements at Park View E.S., to Chalmers Construction Services, Inc. in the amount of \$496,000.

On a motion # 66 by Trustee Blough, seconded by Trustee Smollen and carried by a vote of 5/0, the Board of Education approved, by roll-call vote, award of the Security Fencing & Landscape Improvements at Park View E.S. to Chalmers Construction Services, Inc.

AYES: LaBelle
Smollen
Bagdasaryan
Blough
Jubran NOES: 0 Absent: 0 Abstained: 0



TITLE: APPROVAL OF AGREEMENT NO R21-01897 BETWEEN SIMI VALLEY UNIFIED SCHOOL DISTRICT AND NV5 WEST, INC. FOR TESTING LABORATORY OF RECORD SERVICES FOR THE ROYAL HIGH SCHOOL BOYS LOCKER ROOM MODERNIZATION PROJECT

Business & Facilities
Consent #7

December 15, 2020
Page 1 of 1

Prepared by: Ron Todo, Associate Superintendent
Business & Facilities

Background Information

On September 12, 2017, the Board of Education approved the list of selected firms for on-call testing laboratory-of-record services, which includes the firm of NV5 West. DSA requires the use of a testing laboratory-of-record for testing and inspection of materials on the Royal High School Boys Locker Room Modernization Project.

Fiscal Analysis

Testing Laboratory-of-Record Services Agreement R21-01897 with NV5 West, Inc. is for an estimated cost of \$21,220.00 (Exhibit "A"). The actual cost will be based on services performed.

These services will be funded by Measure X.

Recommendation

It is recommended that the Board of Education approve Agreement No. R21-01897 with NV5 West, Inc. for testing laboratory-of-record services for the Royal High School Boys Locker Room Modernization Project.

On a motion # 66 by Trustee Blough, seconded by Trustee Smollen and carried by a vote of 5/0, the Board of Education approved, by roll-call-vote, Agreement No. R21-01897 with NV5 West, Inc.

Ayes: LaBelle
Smollen
Bagdasaryan Noes: 0 Absent: 0 Abstained: 0

PROJECT ASSIGNMENT AMENDMENT - AGREEMENT R21-01897

Royal High School Boys Locker Room Modernization Project

This Project Assignment Amendment ("PAA") is entered by and between Simi Valley Unified School District and NV5 West, Inc. ("LOR") as of December 16, 2020.

Whereas, the District entered into a written Agreement entitled Agreement A18.453 for On-Going Laboratory of Record Services ("Agreement") which generally establishes the terms and conditions for the LOR's completion of Laboratory of Record Services.

Whereas, this PAA sets forth the specific terms and conditions applicable to the District assignment of the Assigned Project to the LOR for completion of LOR Services as enumerated herein.

NOW THEREFORE, the District and LOR and agree as follows:

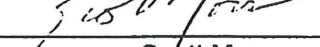
1. **Assigned Project(s) Description.** The Assigned Project is described as follows: **Provide Materials Testing and Inspection Laboratory-of-Record Services for the Boys Locker Room Modernization Project at Royal High School, DSA A# 03-120727 for an estimated total cost of \$21,220.00 per the attached Proposal dated November 25, 2020.**
2. **Assigned Project Form 103** setting forth the tests/inspections to be completed for construction materials to be incorporated into the Assigned Project is incorporated into this Agreement.
3. **Assigned Project(s) LOR Services.** The LOR shall complete all of the tests/inspections, and reports required by DSA for all building and construction materials as required by DSA, and for the proper construction of the Assigned Project.
4. **Assigned Project(s) LOR Services.** The LOR shall complete all of the tests/inspections for building materials for verification of compliance with the plans, specifications, and applicable building codes and for the proper construction of the Assigned Project.
5. **Assigned Project(s) Contract Price.** The Contract Price for completion of the Assigned Project LOR Services is based on the pricing for tests/inspections performed for each Assigned Project. The pricing for each test or inspection shall be in accordance with the Price Proposal submitted by LOR in response to the RFQ issued by the District on or about May 26, 2017, with adjustments to accommodate the attached 2020 Geotechnical / Material Testing Fee Schedule from LOR.
6. **Agreement Terms.** All terms and conditions of Agreement A18.453 for On-Going Laboratory of Record Services are incorporated herein and applicable to the Assigned Project(s), except as modified by the terms of this PAA.

The District and LOR have executed this PAA as of the date set forth above

"District"
SIMI VALLEY UNIFIED
SCHOOL DISTRICT

By: _____
Ron Todo
Title: Associate Superintendent
Business & Facilities

"LOR"
NV5 WEST, INC.

By: 
Scott Moors
Title: Vice-President

N|V|5

November 25, 2020

Simi Valley Unified School District
101 W. Cochran St.
Simi Valley, CA 93065

Proposal No: 2020.06.0182
DSA No.: 03-120727
File No.: 56-H6

ATTENTION: Tony Joseph

**SUBJECT: Proposal for Materials Testing and Inspection Services for the Royal High School -
Boys Locker Room Modernization, 1402 Royal Ave., Simi Valley, CA**

NV5 is pleased to submit this proposal for the referenced project. Our estimated scope of services and estimated costs are detailed below.

Scope of Work and Cost Estimate

	Rate	Units	Total
<u>Soils: (if required)</u>			
Sr. Technician	\$ 104.90 hr	6	\$ 629.40
Maximum Density (soil)	\$ 185.00 ea	1	\$ 185.00
Nuclear Gauge	\$ 35.00 dy	1	\$ 35.00
Trip Charge	\$ 30.00 ea	1	\$ 30.00
<u>Concrete:</u>			
Concrete Batch Plant Inspection	\$ 104.90 hr	8	\$ 839.20
Concrete Inspection / Technician - (cast cylinders)	\$ 104.90 hr	8	\$ 839.20
Concrete compression tests (5 cys. per set)	\$ 20.00 ea	10	\$ 200.00
Concrete cylinder pickup	\$ 12.00 ea	10	\$ 120.00
Reinforcing Steel Bend tests	\$ 105.00 ea	2	\$ 210.00
Reinforcing Steel Tensile tests	\$ 105.00 ea	2	\$ 210.00
Reinforcing Steel sampling (2 hr. min.)	\$ 104.90 hr	4	\$ 419.60
Epoxy Inspection	\$ 104.90 hr	24	\$ 2,517.60
Anchor Installation and testing	\$ 104.90 hr	24	\$ 2,517.60
Torque wrench	\$ 20.00 dy	1	\$ 20.00
<u>Masonry:</u>			
Masonry Placement Inspection	\$ 104.90 hr	28	\$ 2,937.20
Grout Batch Plant Inspection	\$ 104.90 hr	4	\$ 419.60
Grout compression tests (sets of 4 ea)	\$ 30.00 ea	4	\$ 120.00
Grout sample pickup	\$ 12.00 ea	4	\$ 48.00
Block Sampling (estimate only / based on location of supplier)	\$ 104.90 hr	4	\$ 419.60
Masonry Unit acceptance test (includes absorption, compression, moisture content and unit weight)	\$ 585.00 ea	1	\$ 585.00
Machine truck & 1 operator - masonry coring	\$ 220.00 hr	4	\$ 880.00
Masonry core shear test	\$ 105.00 ea	2	\$ 210.00
<u>Structural Steel:</u>			
Shop Welding Inspection + material ID	\$ 75.00 hr	16	\$ 1,200.00
Field Welding Inspection	\$ 104.90 hr	20	\$ 2,098.00
<u>Miscellaneous:</u>			
Trip Charge	\$ 30.00 ea	12	\$ 360.00
DSA 291 and 293	\$ 395.00 ea	2	\$ 790.00
Engineering	\$ 170.00 hr	14	\$ 2,380.00
TOTAL:			\$ 21,220.00

Proposal - Royal H.S. Boy's Locker Room Renovation

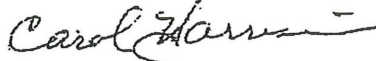
November 25, 2020

Assumptions:

- 1 Fee estimate is provided from plans provided by Owner's representative.
- 2 The estimate is provided for budgetary purposes only and is not a lump sum / not to exceed cost. Charges will be billed on a time-and-materials basis in accordance with the rates presented in our fee estimate. Additional services not specifically included in this proposal will be billed on a time-and-materials basis in accordance with the attached 2020 Schedule of Fees and prevailing wage rates.

NV5 West, Inc. appreciates the opportunity to be of service. If you have any questions, please do not hesitate to contact us.

Respectfully Submitted,
NV5 West, Inc.



Carol Harrison
Client Service Manager

Reviewed By,



Scott Moors, CEG 1901
Vice President

Attachment: Terms and Conditions
 2020 Fee Schedule

NV5

CONSTRUCTION QUALITY ASSURANCE - INFRASTRUCTURE - ENERGY - PROGRAM MANAGEMENT - ENVIRONMENTAL

NV5

NV5 WEST, Inc.

1868 Palma Drive, Suite A, Ventura, CA 93003 | 805.656.6074 | www.NV5.com
CONSTRUCTION QUALITY ASSURANCE + INFRASTRUCTURE + ENERGY + PROGRAM MANAGEMENT + ENVIRONMENTAL

2020 GEOTECHNICAL / MATERIAL TESTING FEE SCHEDULE

GENERAL TERMS & CONDITIONS

Testing Samples - An hourly preparation charge will be added to all samples submitted that are not ready for testing.

Turn-Around-Time - Standard TAT indicated in superscript.

RUSH: 50% surcharge. Sample prioritized over other samples in que.

PRIORITY: 100% surcharge. Completed as fast as possible per method.

See notes regarding TAT at bottom of page 3.

Project Setup - A \$165 fee applies for setup and administration of On-Call agreements and contracts less than \$3,000.

Scheduling - A minimum of 24-hour notice is required to schedule personnel (48-hour for DSA projects). For same-day scheduling, a 50% premium applies. Same-day cancellations will incur a 2-hour charge. Any cancellation after field personnel have been dispatched.

Minimum Charges - A minimum charge of 4 hours applies to inspection/testing call-out between 0 and 4 hours. Eight (8) hours will be charged for work performed over 4 hours up to 8 hours. Overtime charges will be rounded to the nearest half hour.

Overtime Rates - Rates are based on an 8-hour workday between the hours of 7:00 a.m. and 4:00 p.m., Monday through Friday. Work outside of these hours or in excess of 8 hours in one day or over 40 hours in one week will be charged at 1.5 times the listed rates. Work over 12 hours in one day or work on holidays will be charged at 2.0 times quoted rates.

Holidays - New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day and the following Friday, and Christmas Day. For holidays falling on Saturday or Sunday, the closest previous or following regular workday will be observed.

Travel - Hourly travel is charged portal-to-portal for technicians. Travel charges are normally waived for special inspectors within 25 miles of our laboratory. Mileage/Trip Charges charged at rates listed below.

Per Diem - Per diem will be charged at 1.15 times the Federal (GSA) rate for all out-of-town assignments unless otherwise arranged.

Project Management & Report Distribution - All assignments are under the supervision of a Registered Professional Engineer. Engineering time of 0.1 hour per inspection day or ½-hour/week (min) will be included for scheduling, management, report review, and data evaluation.

Outside Services / Drillers-CPT / Subcontractors - Cost plus 15%.

Prevailing Wage - Client shall notify NV5, in writing, of any requirement for payment of California Prevailing Wage or other predetermined wage condition. Client agrees to indemnify NV5 against all costs related Client's failure to notify NV5 of predetermined wage requirements.

Sample Disposition - Unless previously arranged, all samples will be disposed of upon completion of testing. Any samples suspected of contamination will be returned to Client. If requested, retained samples may be archived for a specified period for an agreed monthly fee.

Certified Payroll - A \$55 per week, per project processing fee for Certified Payroll will be assessed on Prevailing Wage Projects.

Escalation - Listed rates are subject to annual escalation consistent with the Consumer Price Index (www.bls.gov). Prevailing Wage labor rates will be adjusted in accordance with DIR mandated increases plus 50%. (<http://www.dir.ca.gov/dlsr/DPreWageDetermination.htm>). Updated Fee Schedules will be published annually and become effective January 1.

I. PROFESSIONAL, TECHNICAL, & SUPPORT STAFF

(Hourly rates unless otherwise indicated. Charges are portal-to-portal from/to NV5's lab)

A. Professional Staff

	Standard
Principal Engineer/Geologist/Consultant	\$ 195
Senior Engineer/Geologist/Consultant (PE, CEG)	\$ 170
Project Engineer/Geologist/Consultant	\$ 150
Sr. Staff Engineer/Geologist/Consultant	\$ 130
Staff Engineer/Geologist/Consultant	\$ 120
Project Manager	\$ 130

B. Technical Staff

	Prevailing Wage	Standard
ICC Special Inspector* I / Soil-Asphalt-ACI Technician I	\$ 105	\$ 75
ICC Special Inspector* II / Soil-Asphalt-ACI Technician II	\$ 110	\$ 85
ICC Special Inspector* III / Soil-Asphalt-ACI Technician III	\$ 115	\$ 95
* Concrete, P/T Concrete, Masonry, Structural Steel, Bolting, Fireproofing, Pile Driving		
AWS Certified Welding Inspector I	\$ 110	\$ 85
AWS Certified Welding Inspector II	\$ 115	\$ 100
Roofing/Waterproofing Inspector I	\$ 105	\$ 94
Roofing/Waterproofing Inspector II	\$ 110	\$ 94
NDT Technician I (UT/Mag Part/Dye Pen.)	\$ 110	\$ 95
NDT Technician II (UT/Mag Part/Dye Pen.)	\$ 120	\$ 100

C. Public Works/DSA/OSHPD Inspection

	Prevailing Wage	Standard
Project Inspector / OSHPD IOR C, DSA PI III	\$ 110	\$ 95
Project Inspector / OSHPD IOR B, DSA PI II	\$ 115	\$ 110
Project Inspector / OSHPD IOR A, DSA PI I	\$ 125	\$ 120
DSA Masonry / Shotcrete Inspection I	\$ 115	\$ 95
DSA Masonry / Shotcrete Inspection II	\$ 120	\$ 110

D. Sample Pickup, Delivery, Storage & Mileage

	Standard
Sample Pickup/Delivery (>25mi. radius of Lab) - plus applicable unit price	\$ 65/hr
Saturday Sample Pickup/Delivery (hourly, 4 hr minimum, plus mileage)	\$ 98/hr
Mileage / Trip Charge - Field Vehicle (\$30/day minimum charge)	\$0.65/mi
Mileage - Coring Truck	\$0.75/mi
Vehicle - Field Truck	\$ 55/day

E. Diamond Coring (min. charge = field time w/travel + 1 hr. mob./demob.)

Machine, truck & 1 operator (accessible flatwork only)	\$220/hr	\$ 190/hr
Machine, truck & operator & helper	\$325/hr	\$ 280/hr
Coring Bit Charge		\$ 3.50/in

F. Support Staff & Special Services

	Standard
Laboratory Technician	\$120/hr
Certified Payroll Admin. (0.5 hr min./wk)	\$70/hr
Court Appearance and Depositions (4 hr min)	\$295/hr
Clerical	\$60/hr
Special Inspection Verified Report (SIVR/VR)	\$ 245 (min.) ea.
Laboratory / Geotech. Verified Rpt (DSA 291/293 - Test only)	\$ 425 (min.) ea.
Combined Lab Verified Report (DSA 291 - Tests & Inspections)	\$ 585 (min.) ea.
DSA 5 SI (Inspector Qualifications)	\$ 75 ea.

II. MATERIALS AND EQUIPMENT

A. Equipment	Rate
1. Air Meter (Concrete)	\$ 50/dy
2. Asphalt Patch (cold patch / cutback) - per bag	\$ 45/dy
3. Calibrated Ram (Pull test)	\$ 95/dy
4. Ceiling Wire Dead-Weight Equip.	\$ 160/dy
5. Coating Thickness Gauge	\$ 95/dy
6. Concrete Slab Moisture Emission Kit / RH Probe (ea.)	\$ 75/ea
7. Floor Flatness (plus labor - 4hr min)	\$ 575/dy
8. Durometer Gauge (Shore A/D)	\$ 55/dy
9. Dynamic Cone Penetrometer (Wildcat w/ 35 lb hammer)	\$ 495/dy
10. Generator (Portable)	\$ 95/dy
11. Ground Penetrating Radar (GPR) - (plus labor - 4 hr min)	\$ 400/dy
12. Hardness Gauge (Brinell, Rockwell)	\$ 115/dy
13. Non-Shrink High-Strength Grout (per bag)	\$ 45/dy
14. Nuclear Gauge	\$ 35/dy
15. Pachometer (Rebar) Survey Equipment	\$ 95/dy
16. Portable Generator	\$ 90/dy
17. Scaffold - Portable	\$ 105/dy
18. Schmidt Hammer	\$ 65/dy
19. Skidmore Wilhelm, per day	\$ 195/dy
20. Torque Wrench (Large, >100 ft-lb), per day	\$ 85/dy
21. Torque Wrench (Small), per day	\$ 25/dy
22. Ultrasonic / Mag. Particle Equipment & Consumables	\$ 75/dy

III. LAB TESTS: AGGREGATE, SOIL, & STONE

A Soils - Geotechnical

1. Atterberg Limits (LL and PL) - ASTM D4318, CTM 204 ^B	\$ 200
2. Consolidation (up to 9 Load/Rebound Pts) - ASTM D2435 ^E	\$ 340
3. Collapse - ASTM D4546 ^B	\$ 165
4. additional Load Increment (Consol./Collapse) - per pt.	\$ 65
5. Direct Shear, remolded sample - ASTM D3080 ^D	\$ 300
6. Direct Shear, undisturbed (ring) sample - ASTM D3080 ^D	\$ 250
7. Expansion Index - ASTM D4829 ^B	\$ 200
8. Moisture & Dry Density (ring samples) ^A	\$ 22
9. Permeability, Constant Head - remolded - ASTM D2434, CT 220 ^D	\$ 445
10. pH (soil) - ASTM D4972 ^C	\$ 35
11. Resistivity - ASTM G57 ^C	\$ 60
12. Resistivity (Minimum), includes pH - CTM 643 ^C	\$ 155
13. Soil Classification - ASTM D2488 - Visual-Manual ^A	\$ 45
14. Soluble Chloride (soils) ^C	\$ 80
15. Soluble Sulfate (soils) ^C	\$ 80
16. Unconfined compression on prepared specimens	\$ 140

B Particle Size Analysis

1. Sand equivalent (ASTM D2419, CTM 217) ^A	\$ 115
2. Sieve #200 wash only (ASTM D1140, CTM 202) ^A	\$ 85
3. Sieve (coarse or fine only, no wash - ASTM C136, CTM 202) ^A	\$ 95
4. Sieve (coarse & fine w/ wash - ASTM C136, CTM 202) ^A	\$ 135
5. Hydrometer w/ Fine Sieve (ASTM D422, CTM 203) ^B	\$ 185
6. Hydrometer w/ Fine & Coarse Sieve (ASTM D422, CTM 203) ^B	\$ 210

C Moisture Density Relationship

1. Max. Density-Opt. Moisture (4 in. mold) - ASTM D1557, D698 ^A	\$ 185
2. Max. Density-Opt. Moisture (6 in. mold) - ASTM D1557, D698 ^A	\$ 210
3. Max. Density-Opt. Moist. w/ Rock Corr. - ASTM D1557, D4718 ^A	\$ 295
4. Maximum Density Checkpoint (4 in. mold) ^A	\$ 75
5. Caltrans Relative Compaction (Wet Density) - CTM 216 ^A	\$ 225

D Aggregate, Soil & Rock

1. Abrasion Resistance by LA Rattler - ASTM C131, CTM 211 ^B	\$ 185
2. Absorption, sand or gravel - ASTM C127, C128 ^B	\$ 60
3. California bearing ratio (CBR) with expansion - ASTM D1883 ^C	\$ 410
4. Clay lumps and friable particles, per primary size - ASTM C142 ^C	\$ 115
5. Cleanness Test - ASTM D4740, CTM 227 ^A	\$ 130
6. Crushed particles, per primary size ^C	\$ 165
7. Durability Index (\$120 per size fraction) - CTM 229 ^A	\$ 215
8. Flat & Elongated Particles (per bin size) - ASTM D4791 ^C	\$ 190
9. Lightweight pieces, per size fraction - ASTM C123 ^C	\$ 400
10. Moisture determination (aggregate samples) ^A	\$ 35
11. Mortar making properties of Sand ASTM C87 ^D	\$ 380
12. Organic Impurities - ASTM C40, CTM 213 ^B	\$ 80
13. Petrographic Analysis of Gravel - ASTM C295 (single grading) ^E	\$ 450
14. Petrographic Analysis of WC Sand - ASTM C295 (pre-graded) ^E	\$ 850
15. Potential Reactivity Test ASTM C289 Chemical Method ^D	\$ 495
16. Potential Reactivity ASTM C227 Mortar Bar Method (3 month) ^E	\$ 785
Each additional month	\$ 118
17. Potential Reactivity Test ASTM C1260 Rapid Method ^E	\$ 625
18. Potential Reactivity ASTM C1293 Mortar Bar w/ Pozz (12 month) ^E	\$ 1600
Extend to 24-months add (C1293 requires Sp. Grav. & Unit Weight)	\$ 800
19. Potential Reactivity Test ASTM C1567 Rapid-Cement Combo ^E	\$ 760
20. R' Value - ASTM D2844, CT 301 (Treated material by quote) ^B	\$ 315
21. Specific gravity w/ absorption - coarse (ASTM C127, CTM 206) ^B	\$ 110
22. Specific gravity w/ absorption - fine (ASTM C128, CTM 207) ^B	\$ 130
23. Sulfate Soundness, 5 cycle test per primary size - ASTM C88 ^D	\$ 365
24. Thermal Resistivity of Soil (including 1 proctor curve)	\$ 1000
25. Uncompacted Void Content of Fine Aggregate - AASHTO T304 ^B	\$ 175
26. Unit weight - ASTM C29	\$ 72

E Soil-Cement / CTB Tests

1. Lime Treatment: pH by Eades & Grim - ASTM D62676 ^B	\$ 345
2. Lime Treatment: Fabrication & Compaction (3) - ASTM D3551 ^B	\$ 425
3. Lime Treatment: Compressive Strength (ea) - ASTM D5102 ^B	\$ 105
4. Soil Cement - Moist.-Dens. - ASTM D558 - Lab Mixed ^B	\$ 395
5. Soil Cement - Moist.-Dens. - ASTM D558 - Field Mixed ^C	\$ 295
6. Soil Cement - Wet-Dry Durability - ASTM D559 ^B	\$ 940
7. Soil Cement - Freeze-Thaw Durability - ASTM D560 ^E	\$ 1100
8. Soil Cement - Mix, Compact & Cure Specimen - ASTM D1632 ^A	\$ 125
9. Soil Cement - Compressive Strength - ea sample - ASTM D1633 ^A	\$ 115
10. Cement Treated Base (CTB), compact & cure ^E	\$ 425
11. Cement Treated Base - Compression (ea)	\$ 105
12. Cement Treated Base - Stability (3)	\$ 525

F Rip Rap / Rock Slope Protection / Dimensional Stone Tests

1. Rock Gradation ^D	hourly engineering charge (per quote)
2. Absorption / Apparent Specific Gravity - ASTM C127, CTM 206 ^D	\$ 125
3. Durability - CTM 229 ^D	\$ 265
4. Percentage Wear - ASTM C131 ^D	\$ 225
5. Compressive Strength - ASTM C170 ^D	\$ 135
6. Water Absorption & Density - ASTM C97 (3 required) ^D	\$ 85
7. Modulus of Rupture - ASTM C99 ^D	\$ 145
8. Flexural Strength - ASTM C880 ^D	\$ 165
9. Sulfate Soundness - ASTM D5240 (5 cycle) ^E	\$ 425
10. Sample Preparation (cutting/crushing/processing - 1 hr min)	\$ 185/hr
<i>(Comp., MOR & Flex Str. require 5 samples ea. in wet & dry conditions // & .1 to rft.)</i>	
<i>(All prices are for prepared samples. Cutting and machining charges are extra.)</i>	

IV. LAB TESTS: CEMENT, CONCRETE, & MASONRY

A Cement

1. Grab sample (CCR Title 24) includes 1 year storage	\$ 55
2. Compression Test - High Strength Grout 2" cube - ASTM C109	\$ 45

B Concrete

1. Concrete compression: 6x12 cylinder - ASTM C39 ^A	\$ 26
2. Concrete compression: 4x8 cylinder - ASTM C39 ^A	\$ 24
3. Concrete cylinder pickup: 6x12 (>25mi. radius of Lab add hourly pickup rate)	\$ 15
4. Concrete cylinder pickup: 4x8 (>25mi. radius of Lab add hourly pickup rate)	\$ 12
5. Concrete cylinder mold (w/ lid - spare)	\$ 6
6. Concrete core compression test - ASTM C42 ^C	\$ 55
7. Concrete Trial Batch (includes 6 compression tests)	\$ 765
8. Concrete Mix Design Review (excludes testing & revisions)	\$ 230
9. Concrete mix proportion revision	\$ 150
10. Density of concrete cylinder (unit weight) ^C	\$ 64
11. Drying shrinkage - ASTM C157 (set of 3, 5 ages) ^E	\$ 495
12. End preparation of cores, diamond sawing, per cut	\$ 20
13. Flexural beam pick-up (>25mi. radius of Lab add hourly pickup rate)	\$ 40
14. Flexural strength, 6"x6" beam - ASTM C78 & C293 ^A	\$ 80
15. Shotcrete/Gunite core compression test (not including coring)	\$ 35
16. Coring of Shotcrete/Gunite panel in laboratory, each core	\$ 50
17. Shotcrete/Gunite panel pick-up (>25mi. radius of Lab add hourly pickup rate)	\$ 65
18. Lab trial batch, not including specimen tests - ASTM C192	Per Quote
19. Lightweight, insulating concrete compress, 4 req. - ASTM C495	\$ 65
20. Lightweight insulating concrete - unit weight (oven dry)	\$ 95
21. Modulus of elasticity, 4"x8" cylinder - ASTM C469 ^D	\$ 215
22. Non-Shrink (Dry-Pack) Grout Compression - 2"x2"x2"	\$ 45
23. Petrographic Analysis - Hardened Concrete - ASTM C856 (per core) ^E	\$ 950
24. Poisson's Ratio on 6"x12" cylinders - ASTM C469 ^D	Per Quote
25. Splitting tensile - ASTM C496 ^D	\$ 175
26. Thermal Resistivity - Concrete - FTB	\$ 1000

C Masonry

1. Absorption - brick, 5 required - ASTM C67 ^D	\$ 75
2. Absorption - masonry unit, 3 required - ASTM C140 ^D	\$ 60
3. Compression, brick, 5 required - ASTM C67 ^D	\$ 50
4. Compression - masonry core ^C	\$ 50
5. Compression - masonry prisms 8"x8" - ASTM C1314	\$ 155
6. Compression - masonry unit, 3 required - ASTM C140 ^D	\$ 90
<i>(requires absorption/unit weight tests for net area)</i>	
7. Dimensions - masonry unit, 3 required ^D	\$ 55
8. Compression test, grout specimens	\$ 40
9. Compression test, mortar specimens	\$ 40
10. Diamond sawing of masonry specimens, if required (minimum)	\$ 30
11. Efflorescence	\$ 285
12. Linear shrinkage, masonry unit, set of 3 - ASTM C426 ^E	\$ 485
13. Masonry Prism Pickup (ea.)	\$ 75
14. Masonry Unit Acceptance Tests - ASTM C140 ^D	\$ 595
<i>(includes absorption, compression, dimensions, unit weight)</i>	
15. Mortar Aggregate Ratio - ASTM C780 (A4) ^B	\$ 345
16. Modulus of rupture, brick, 5 required - ASTM C67 ^D	\$ 95
17. Moisture content - masonry unit (as received), 3 req'd - ASTM C140 ^D	\$ 50
18. Relative Mortar Strength - CTM 515 ^D	\$ 420
19. Shear test on masonry core - CBC 2105A.4 ^B	\$ 115
20. Tensile test on masonry block	\$ 295
21. Unit weight, masonry unit, 3 required - ASTM C140 ^D	\$ 55
22. Visual Examination & Photo-Document Core - CBC 2105A.4 ^B	\$ 50

NV5

NV5 WEST, INC.

2020 FEE SCHEDULE

V. LAB TESTS: REINFORCING & STRUCTURAL STEEL

A. General Testing

1. Processing mill certification (each size & heat)	\$20 ea.
2. Rockwell or Brinell Hardness, average of three readings	\$35 ea.
3. Zinc coating, each item (includes Haz Mat Fee) ^C	\$215

B. Reinforcing Steel

1. Deformation, reinforcing steel ^C	\$60
2. Pre-stress, strand or wire, tensile & elongation ^D	Per Quote
3. Proof test on post-tension assembly	Per Quote
4. Bend Test (rebar) ^C	\$50
5. Tensile test (rebar), up to & including #8 ^C	\$55
6. Tensile test (rebar) #9, #10, #11 ^D	\$95
7. Tensile test (rebar) #14, #18 ^D	\$215
8. Rebar Mechanical Coupler (Tension) Test (up to #11 bar) ^D	\$215

C. Structural Steel

1. Cutting & machining charges	cost + 15%
2. Bend test, structural, all sizes	\$75
3. Tensile test, structural, <1/4" cross-section (cutting & machining extra)*	\$75
4. Tensile test, structural, >1/4" cross-section (cutting & machining extra)*	\$125
5. Flattening test of pipe	\$65

*Tensile and yield by percent offset, add \$85

D. High Strength Bolts

1. DSA-Certified High Strength Bolt Set ea. (Bolt, Nut, & Washer) ^D	\$ 335
2. Bolts - proof load (non-DSA) ^D	\$ 45
Bolts - ultimate load ^D	\$ 65
Bolts - hardness ^D	\$ 35
3. Nuts - proof load ^D	\$ 45
Nuts - hardness ^D	\$ 35
4. Washers - hardness ^D	\$ 35

E. Welding Procedure and Welder Qualification Tests

Coupon thickness (mild steel only)	to 3/8"	over 3/8"
1. Fracture bend (fillet)		\$45
2. Macroetch	\$55 ea.	
3. Free bend		\$65
4. Nick break	\$45 ea.	\$35
5. Side, face or root bend	\$28 ea.	\$35
6. Tensile	\$40 ea.	\$50
7. Welder Qualification Records		\$115

Includes evaluation of test specimens and preparation of Stamped Welder/Procedure Qualification Records per applicable code.

*Welder qualification examinations are given in our laboratory or at fabricator's shop with 4-hour minimum witnessing charge.

**Fees listed are for tests only. Sample preparation, coupon machining, etc., will be charged at applicable hourly lab rates and cost plus 15% for Outside Direct Costs.

VI. MISCELLANEOUS CONSTRUCTION MATERIALS TESTS

1. Calibration Certificates	Per Quote
2. Density of Sprayed Fireproofing	\$85
3. Roof Tile Strength	\$95
4. Roof Tile Absorption	\$75
5. Roof Cut Tests (total weight only)	\$85
6. Jobsite Trailer or Mobile Laboratory	Per Quote
7. Universal Testing Machine (Hourly)	\$225
8. Ground Rod Test (plus travel)	\$175

VII. ASPHALT & ASPHALTIC CONCRETE

A. Emulsions And Slurry Seals

1. Consistency test - ASTM D3910 ^A	\$95
2. pH determination ^B	\$75
3. Oven cook off (% residue) ^A	\$100
4. Solids content by evaporation and ignition extraction (slurry) ^A	\$225
5. Wet Track Abrasion - ASTM D3910 (prep. not included) ^A	\$270

B. Asphaltic Concrete, Aggregate And Mixes

1. Bulk Specific Gravity (HVEEM - 3 pt. LTMD) CT308 / T166 ^A	\$220
2. Coring of asphaltic concrete - See Section E Diamond Coring	
3. Extraction, % bitumen and sieve analysis	
Ignition Oven Method - CTM 382, 202 ^A	\$235
Solvent Extraction Method - ASTM D2172 ^B	\$395
4. Extraction, % bitumen only	
Ignition Oven Method - CTM 382 ^A	\$155
Solvent Extraction Method - ASTM 2172 ^B	\$305
5. Film stripping - CTM 302 ^C	\$165
6. Gyrotory Compaction, 6" specimen, Lab Mix* - AASHTO T312 ^B	\$350
7. Gyrotory Compaction, 6" specimen, Plant Mix* - AASHTO T312 ^B	\$300
* Add \$110 for Asphalt Rubber	
8. Hamburg Wheel Track - AASHTO T324 ^B	\$1,450
9. Ignition Oven Correction Factor - CTM 382 ^B	\$650
10. Marshall - Preparation & Compaction ^A	\$205
11. Marshall - Stability and flow (core) - ASTM D6927 ^A	\$125
12. Marshall - Stability and flow (bulk) - ASTM D6927 ^B	\$325
13. Marshall - Specific Gravity - ASTM D2926 ^A	\$225
14. Mix proportion - Marshall Method ^D	\$2,900
with R.A.P. ^E	\$3,700
15. Mix proportion - HVEEM Method ^D	\$2,700
with R.A.P. ^E	\$3,500
16. Theoretical Maximum Specific Gravity (RICE) - D-2041, CT 309 ^A	\$200
17. Moisture content - ASTM D-1461 ^A	\$115
18. Recovery of Extracted Asphalt (extraction only) - ASTM D5404 ^D	\$250
19. Recovery of rubber from ARHM extraction ^D	\$315
20. Specific gravity of core - ASTM D2726 ^A	\$60
21. HVEEM Stabilometer test on premixed sample - CTM 366 ^A	\$185
Stabilometer test and mixing of sample ^B	\$400
22. Surface Abrasion - CTM 360 ^C	\$525
23. Resistance to Moisture Induced Damage - T-283 ^D	\$2,650
24. Resistance to Moisture Induced Damage - CT 371 ^D	\$1,850

NOTE: Where prices are listed for mix proportions, the necessary specific gravity tests and sieve analyses are included; however, aggregate and asphalt qualification tests are not.

A,B,C,D,E Standard Turn-Around-Times: (where applicable TAT indicated in superscript following method):

A - 3 working days; B - 5 working days; C - 7 working days;
D - 10 working days; E - >10 working days

Standard TAT indicates anticipated testing time under typical conditions and is subject to availability and precedence. RUSH TAT prioritizes testing over other samples. PRIORITY TAT dedicates technician to complete test as quickly as possible per the method specifications - hourly charges will apply for weekend or holiday work.

ADDITIONAL TESTS: NV5 performs a broad spectrum of field and laboratory testing. This Fee Schedule lists only the most common tests performed. For information regarding additional testing services, please contact our laboratory.

