

May 14, 2019
Project No. 210165002

Mr. Michael Otavka
Director of Facilities
William S. Hart Union High School District
21380 Centre Pointe Parkway
Santa Clarita, California 91350

Subject: Fee Amendment #2
Geotechnical, Materials Testing and Specialty Inspection Services
Sierra Vista Junior High School Modular Container Classroom Addition Project
Canyon Country, California
Division of State Architect (DSA) Application No. 03-117759

Reference: William S. Hart Union High School District, 2018, Agreement, Sierra Vista Junior High School, dated April 19.

Dear Mr. Otavka:

In accordance with the request and authorization of William S. Hart Union High School District, Ninyo & Moore is providing geotechnical, materials testing and special inspection services for the subject project, as coordinated by the Project Inspector, Mr. Glen Lowe, and in accordance with the project Statement of Structural Tests and Specialty Inspections (form DSA-103). Our ongoing services have consisted of field and laboratory inspection and testing of soil, concrete, reinforcing steel, and structural steel.

Due to additional inspection services associated with fabrication of handrails and testing of soft subgrade soils after the rains, we will exceed our current approved budget of \$143,134. We have prepared a change order of \$5,932 (five thousand nine hundred thirty-two dollars). This will make the total agreement amount equal to \$149,066. We have attached a detailed breakdown of the additional fees.

To avoid delays to the project, we will continue to provide the requested additional services with the understanding that we will be reimbursed on a time-and-materials basis.

We appreciate the opportunity to be of continued service on this project.

Respectfully Submitted,
NINYO & MOORE



Rajindra S. Handapangoda, PE, GE
Senior Engineer



Garreth M. Saiki, PE, GE
Principal Engineer

RAH/GMS/mlc

Attachments: Table 1 – Breakdown of Estimated Amendment Fee
Schedule of Fees

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Table 1 - Breakdown of Estimated Fee

Field Services

Field Technician/Inspector					
Subgrade and Aggregate Base Preparation	8 hours	@	\$ 92.00 /hour	\$	736.00
Welding Inspector (Shop)	32 hours	@	\$ 98.00 /hour	\$	3,136.00
Vehicle and Equipment Usage	40 hours	@	\$ 10.00 /hour	\$	400.00
			Subtotal	\$	4,272.00

Project Coordination and Management

Senior Project Engineer/Geologist/Environmental Scientist	4 hours	@	\$ 163.00 /hour	\$	652.00
			Subtotal	\$	652.00

Report Preparation For The DSA-293, DSA-291

Principal Engineer/Geologist/Environmental Scientist	2 hours	@	\$ 178.00 /hour	\$	356.00
Senior Project Engineer/Geologist/Environmental Scientist	4 hours	@	\$ 163.00 /hour	\$	652.00
			Subtotal	\$	1,008.00

TOTAL ESTIMATED FEE **\$ 5,932.00**

Schedule of Fees

Hourly Charges for Personnel

Principal Engineer/Geologist/Environmental Scientist	\$ 178
Certified Industrial Hygienist	\$ 178
Senior Engineer/Geologist/Environmental Scientist	\$ 168
Senior Project Engineer/Geologist/Environmental Scientist	\$ 163
Certified Asbestos Consultant, Lead Inspector/Assessor, Lead Project Monitor	\$ 163
Project Engineer/Geologist/Environmental Scientist	\$ 156
Senior Staff Engineer/Geologist/Environmental Scientist	\$ 142
Certified Site Surveillance Technician, Lead Sampling Technician	\$ 142
Staff Engineer/Geologist/Environmental Scientist	\$ 126
GIS Analyst	\$ 116
Field Operations Manager	\$ 112
Supervisory Technician	\$ 98
Nondestructive Examination Technician, UT, MT, LP	\$ 98
ACI Concrete Technician	\$ 98
Concrete/Asphalt Batch Plant Inspector	\$ 98
Special Inspector (Concrete, Masonry, Steel, Welding, and Fireproofing)	\$ 98
Senior Field/Laboratory Technician	\$ 92
Field/Laboratory Technician	\$ 92
Technical Illustrator/CAD Operator	\$ 92
Information Specialist	\$ 78
Geotechnical/Environmental/Laboratory Assistant	\$ 76
Data Processing, Technical Editing, or Reproduction	\$ 68

Other Charges

Concrete Coring Equipment (includes one technician)	\$ 180/hr
X-Ray Fluorescence	\$ 300/day
PID/FID Usage	\$ 140/day
Anchor load test equipment (includes technician)	\$ 97/hr
Hand Auger Equipment	\$ 65/day
Inclinometer Usage	\$ 40/hr
Vapor Emission Kits	\$ 40/kit
Level D Personal Protective Equipment (per person per day)	\$ 30/p/d
Rebar Locator (Pachometer)	\$ 30/hr
Nuclear Density Gauge Usage	\$ 12/hr
Field Vehicle Usage	\$ 10/hr
Direct Project Expenses	Cost plus 15 %

Laboratory testing, geophysical equipment, and other special equipment provided upon request.

Notes

For field and laboratory technicians and special inspectors, regular hourly rates are charged during normal weekday construction hours. Overtime rates at 1.5 times the regular rates will be charged for work performed outside normal construction hours and all day on Saturdays. Rates at twice the regular rates will be charged for all work in excess of 12 hours in one day or on Sundays and holidays. Lead time for any requested service is 24 hours. Field Technician rates are based on a 4-hour minimum. Special inspection rates are based on a 4-hour minimum for the first 4 hours and an 8-hour minimum for hours exceeding 4 hours. Field personnel are charged portal to portal.

Invoices will be submitted monthly and are due upon receipt. A service charge of 1.0 percent per month may be charged on accounts not paid within 30 days.

The terms and conditions of providing our consulting services include our limitation of liability and indemnities as presented in Ninyo & Moore's Work Authorization and Agreement.

Schedule of Fees for Laboratory Testing

Laboratory Test, Test Designation, and Price Per Test

SOILS

Atterberg Limits, D 4318, CT 204	\$ 170
California Bearing Ratio (CBR), D 1883	\$ 550
Chloride and Sulfate Content, CT 417 & CT 422	\$ 175
Consolidation, D 2435, CT 219	\$ 300
Consolidation, Hydro-Collapse only, D 2435	\$ 150
Consolidation – Time Rate, D 2435, CT 219	\$ 75
Direct Shear – Remolded, D 3080	\$ 350
Direct Shear – Undisturbed, D 3080	\$ 300
Durability Index, CT 229	\$ 175
Expansion Index, D 4829, IBC 18-3	\$ 190
Expansion Potential (Method A), D 4546	\$ 170
Geofabric Tensile and Elongation Test, D 4632	\$ 200
Hydraulic Conductivity, D 5084	\$ 350
Hydrometer Analysis, D 422, CT 203	\$ 220
Moisture, Ash, & Organic Matter of Peat/Organic Soils	\$ 120
Moisture Only, D 2216, CT 226	\$ 35
Moisture and Density, D 2937	\$ 45
Permeability, CH, D 2434, CT 220	\$ 300
pH and Resistivity, CT 643	\$ 175
Proctor Density D1557, D 698, CT 216, AASHTO T-180	\$ 220
Proctor Density with Rock Correction D 1557	\$ 340
R-value, D 2844, CT 301	\$ 325
Sand Equivalent, D 2419, CT 217	\$ 125
Sieve Analysis, D 422, CT 202	\$ 145
Sieve Analysis, 200 Wash, D 1140, CT 202	\$ 100
Specific Gravity, D 854	\$ 125
Thermal Resistivity (ASTM 5334, IEEE 442)	\$ 925
Triaxial Shear, C.D, D 4767, T 297	\$ 450
Triaxial Shear, C.U., w/pore pressure, D 4767, T 2297 per pt	\$ 400
Triaxial Shear, C.U., w/o pore pressure, D 4767, T 2297 per pt	\$ 250
Triaxial Shear, U.U., D 2850	\$ 180
Unconfined Compression, D 2166, T 208	\$ 130

MASONRY

Brick Absorption, 24-hour submersion, 5-hr boiling, 7-day, C 67	\$ 70
Brick Compression Test, C 67	\$ 55
Brick Efflorescence, C 67	\$ 55
Brick Modulus of Rupture, C 67	\$ 50
Brick Moisture as received, C 67	\$ 45
Brick Saturation Coefficient, C 67	\$ 60
Concrete Block Compression Test, 8x8x16, C 140	\$ 70
Concrete Block Conformance Package, C 90	\$ 500
Concrete Block Linear Shrinkage, C 426	\$ 200
Concrete Block Unit Weight and Absorption, C 140	\$ 70
Cores, Compression or Shear Bond, CA Code	\$ 70
Masonry Grout, 3x3x6 prism compression, C 39	\$ 45
Masonry Mortar, 2x4 cylinder compression, C 109	\$ 35
Masonry Prism, half size, compression, C 1019	\$ 120
Masonry Prism, Full size, compression, C 1019	\$ 200

REINFORCING AND STRUCTURAL STEEL

Chemical Analysis, A 36, A 615	\$ 135
Fireproofing Density Test, UBC 7-6	\$ 60
Hardness Test, Rockwell, A 370	\$ 70
High Strength Bolt, Nut & Washer Conformance, per assembly, A 325	\$ 150
Mechanically Spliced Reinforcing Tensile Test, ACI	\$ 175
Pre-Stress Strand (7 wire), A 416	\$ 170
Reinforcing Tensile or Bend up to No. 11, A 615 & A 706	\$ 60
Structural Steel Tensile Test: Up to 200,000 lbs. (machining extra), A 370	\$ 80
Welded Reinforcing Tensile Test: Up to No. 11 bars, ACI	\$ 65

CONCRETE

Compression Tests, 6x12 Cylinder, C 39	\$ 30
Concrete Mix Design Review, Job Spec	\$ 180
Concrete Mix Design, per Trial Batch, 6 cylinder, ACI	\$ 850
Concrete Cores, Compression (excludes sampling), C 42	\$ 60
Drying Shrinkage, C 157	\$ 400
Flexural Test, C 78	\$ 75
Flexural Test, C 293	\$ 75
Flexural Test, CT 523	\$ 85
Guniting/Shotcrete, Panels, 3 cut cores per panel and test, ACI	\$ 275
Jobsite Testing Laboratory	Quote
Lightweight Concrete Fill, Compression, C 495	\$ 50
Petrographic Analysis, C 856	\$ 2,000
Restrained Expansion of Shrinkage Compensation	\$ 450
Splitting Tensile Strength, C 496	\$ 100
3x6 Grout, (CLSM), C 39	\$ 45
2x2x2 Non-Shrink Grout, C 109	\$ 45

ASPHALT CONCRETE

Air Voids, T 269	\$ 75
Asphalt Mix Design, Caltrans (incl. Aggregate Quality)	\$ 4,500
Asphalt Mix Design Review, Job Spec	\$ 180
Dust Proportioning, CT LP-4	\$ 75
Extraction, % Asphalt, including Gradation, D 2172, CT 382	\$ 250
Extraction, % Asphalt without Gradation, D 2172, CT 382	\$ 150
Film Stripping, CT 302	\$ 120
Hveem Stability and Unit Weight D 1560, T 246, CT 366	\$ 225
Marshall Stability, Flow and Unit Weight, T 245	\$ 240
Maximum Theoretical Unit Weight, D 2041, CT 309	\$ 150
Moisture Content, CT 370	\$ 85
Moisture Susceptibility and Tensile Stress Ratio, T 238, CT 371	\$ 1,000
Slurry Wet Track Abrasion, D 3910	\$ 150
Superpave, Asphalt Mix Verification (incl. Aggregate Quality)	\$ 4,900
Superpave, Gyrotory Unit Wt., T 312	\$ 100
Superpave, Hamburg Wheel, 20,000 passes, T 324	\$ 1,000
Unit Weight sample or core, D 2726, CT 308	\$ 100
Voids in Mineral Aggregate, (VMA) CT LP-2	\$ 75
Voids filled with Asphalt, (VFA) CT LP-3	\$ 75
Wax Density, D 1188	\$ 100

AGGREGATES

Clay Lumps and Friable Particles, C 142	\$ 180
Cleanness Value, CT 227	\$ 180
Crushed Particles, CT 205	\$ 175
Durability, Coarse or Fine, CT 229	\$ 205
Fine Aggregate Angularity, ASTM C 1252, T 304, CT 234	\$ 180
Flat and Elongated Particle, D 4791	\$ 220
Lightweight Particles, C 123	\$ 180
Los Angeles Abrasion, C 131 or C 535	\$ 200
Material Finer than No. 200 Sieve by Washing, C 117	\$ 90
Organic Impurities, C 40	\$ 90
Potential Alkali Reactivity, Mortar Bar Method, Coarse, C 1260	\$ 1,250
Potential Alkali Reactivity, Mortar Bar Method, Fine, C 1260	\$ 950
Potential Reactivity of Aggregate (Chemical Method), C 289	\$ 475
Sand Equivalent, T 176, CT 217	\$ 125
Sieve Analysis, Coarse Aggregate, T 27, C 136	\$ 120
Sieve Analysis, Fine Aggregate (including wash), T 27, C 136	\$ 145
Sodium Sulfate Soundness, C 88	\$ 450
Specific Gravity and Absorption, Coarse, C 127, CT 206	\$ 115
Specific Gravity and Absorption, Fine, C 128, CT 207	\$ 175

ROOFING

Roofing Tile Absorption, (set of 5), C 67	\$ 250
Roofing Tile Strength Test, (set of 5), C 67	\$ 250

Special preparation of standard test specimens will be charged at the technician's hourly rate.
Ninyo & Moore is accredited to perform the AASHTO equivalent of many ASTM test procedures.