



Orange County

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**Statement of Qualifications
RFP # 111-21
Special Project Inspection Services
AESCO Proposal No. P6956**



**Newport Mesa Unified School District
2985 Bear Street, Building A
Costa Mesa, CA 92626**

**Attention: Mr. Johnathan Geiszler, Director of Purchasing and
Warehouse**

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May 19, 2021



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May 19, 2021

Mr. Jonathan Geiszler
Director of Purchasing and Warehouse
Newport Mesa Unified School District
2985 Bear Street, Building A
Costa Mesa, CA 92626

**Subject: Statement of Qualifications
RFP# 111-21
Special Project Inspection Services
AESCO Proposal No. 6956**

Dear Mr. Geiszler,

AESCO is pleased to present this Statement of Qualifications to provide on-call special inspection services.

Founded in 1993, AESCO, a small business enterprise, has provided geotechnical and environmental engineering and construction quality control and quality assurance services on both small and large municipal capital improvement and commercial projects in Los Angeles, San Bernardino, Riverside, and Orange Counties over the past 26 years.

AESCO's laboratory has been approved or certified by the Division of State Architect (DSA), California Department of Transportation (Caltrans) under certification #1002, by the City of Los Angeles under certification #10191, by the CCRL, and by the AMRL. AESCO is also a current member of the Independent Assurance Program with Caltrans, CCRL, and AMRL.

AESCO has worked closely with the Division of State Architect (DSA) on several school projects in southern California and is very familiar with Section 17212 and 17212.5 of the Education Code, Title 24, Part 2 of the California code of Regulations and Title 24 Part I of the Code of Regulations. AESCO's laboratory has been approved by the DSA. Our LEA number is 177. We believe that this experience brings exceptional value to your project.



AESCO employees are experienced professionals consisting of geotechnical and environmental engineers, engineering geologists, environmental engineers, deputy inspectors, laboratory and field technicians, and quality control professionals. Our staff adheres to very strict written quality assurance standards and procedures and recognizes that producing high-quality service is

our first priority and primary goal. AESCO has extensive experience in working for various cities, agencies and school districts on an on-call basis throughout Southern California.

AESCO will respond within 24-hours upon request by the District. AESCO uses cloud computing and other forms of technology to streamline client communication, improve the documentation process and provide technicians an efficient way to record results. Allowing, clients and team members the ability to verify and track the status of our field, shop and lab work. This method has improved project tracking, collaborating on solutions and ensuring the project is inspected in accordance with the contract documents and intent of the design professionals.



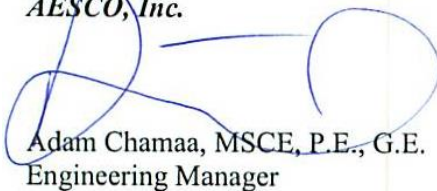
Scope of Work

The Scope of Work consists of developing a pre-qualified list of firms to perform Special Inspection Services which will include geotechnical engineering and materials testing and inspections. The list will be valid for a period of five years.

This proposal shall remain open and valid for a period of 60 days.

If you need further assistance regarding this matter, please give feel free to call either myself or Ms. Debra Perez. We look forward to hearing from you.

Very truly yours,
AESCO, Inc.

A blue ink signature of Adam Chamaa, featuring a large, stylized 'A' and 'C' that loop around each other.

Adam Chamaa, MSCE, P.E., G.E.
Engineering Manager

A blue ink signature of Debra Perez, written in a cursive style.

Debra Perez
Project Manager

Statement of Qualifications

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Section 3.1 Business Profile

3.1.1 and 3.2.2

QUALIFICATIONS

AESCO is a **woman-owned corporation** (incorporated in California) and has been in operation since 1993, a total of 28 years. AESCO is headquartered at 17782 Georgetown Lane, Huntington Beach, California 92647 and we currently have thirty-five employees. AESCO has two offices in Fontana and Huntington Beach which is where we are headquartered. AESCO has been retained as the geotechnical engineer and has performed materials testing and inspection, and environmental engineering firm for local governmental and municipal agencies, school districts, and commercial developers. Clients have included Caltrans, Metropolitan Transit Authority (MTA), Orange County Transportation Authority (OCTA); the County of Orange, the Cities of Los Angeles, Costa Mesa, Inglewood, Long Beach Water Department, Diamond Bar, Lakewood, Huntington Beach, Lynwood, Riverside, Buena Park, Irvine, and Santa Ana; Cingular Wireless, Sprint PCS, T-Mobile, Nextel, AT&T and Verizon Wireless; **Alhambra School District, Fountain Valley School District, Westminster School District, Long Beach Unified School District, Huntington Beach Unified High School District, Long Beach Community College District, Mountain View School District, Los Angeles Unified School District, and the Covina Unified School District.** Detailed descriptions of some of these projects are included below.

3.1.3

PERSONNEL

AESCO Management

AESCO's team includes five registered engineers and geologists and an unlimited number of inspectors as we are a member of the Local Union 12. **All materials testing and inspections and observation services and geotechnical engineering will be provided under the technical direction of a full-time registered professional engineer with a minimum of thirty-five years' experience in geotechnical engineering and construction materials testing and deputy inspection.**

A brief overview of **key** AESCO personnel is presented below. Detailed resumes are provided in Appendix A.

PERSONNEL SUMMARY

Name	Years of Experience	Education/Credentials
Adam Chamaa Engineering Manager and Senior Project Manager	35+ (28 with AESCO)	B.S. Civil Engineering, M.S. Civil Engineering Licensed California Engineer, P.E. C.E. No. C53992, Licensed California Geotechnical Engineer G.E. No. GE2784 Nuclear Density Machine Operator
Russell L. Scharlin Quality Control	40+ (27 with AESCO)	B.S. Civil Engineering M.S. Civil Engineering

Name	Years of Experience	Education/Credentials
Manager		Licensed California Engineer, P.E. C.E. No. C25723 Licensed California Geotechnical Engineer G.E. No. 751
Debra Perez Project Manager	40+ (17 with AESCO)	B.S. Renewable Natural Resources Nuclear Density Machine Operator
David J. Ryan, P.E. Senior Engineer	40+ (5 with AESCO)	B.S. Civil Engineering Licensed California Civil Engineer, P.E. C.E. No. C49661
Andrew Stone, Engineering Geologist	30+ (10 with AESCO)	B.S. Geology Certified Geologist, C.G. No. 5166 Certified Engineering Geologist, C.E.G. No. 1648
Omar Chamaa Quality Control Engineer	12 (12 with AESCO)	B.S., Civil Engineering E.I.T. Certificate No. 135299 Hazardous Materials 40-hour Training ICC Certified Reinforced Concrete Caltrans Certificate of Proficiency for: Calculations Pertaining to Gradings & SpG, Sampling Highway Materials & Products, Soil & Aggregate Sample Preparation, Sieve Analysis of Fine & Coarse Aggregates, Sand Equivalent, Air Content, Freshly Mixed Concrete, Pressure, Density of Fresh Concrete, Flexural Strength of PCC, Ball Penetration in Fresh Portland Cement Concrete, Sampling Freshly Mixed Concrete, PCC Cylinder Fabrication, Air Content of Freshly Mixed Concrete- Volumetric Method, Slump of Fresh Portland Cement Concrete, Temperature of Freshly Mixed Portland Cement Concrete City of Newport Beach Deputy Inspector City of Garden Grove Deputy Inspector City of Long Beach Deputy Inspector City of Riverside Deputy Inspector Radiation Safety and Use of Nuclear Gage ACI Concrete Field Testing Technician TWIC
Kay Alabed Project Coordinator	28 (28 with AESCO)	B.S., Dental Medicine Radiation Safety Officer Health and Safety Office
Giovanni Mikhail Inspector	15 (10 with AESCO)	B.A., Business, Devry University, in progress County of Los Angeles Certified Deputy Inspector Masonry County of Los Angeles Certified Deputy Inspector Concrete ICC Structural Masonry Certified Inspector ICC Reinforced Concrete Certified Inspector

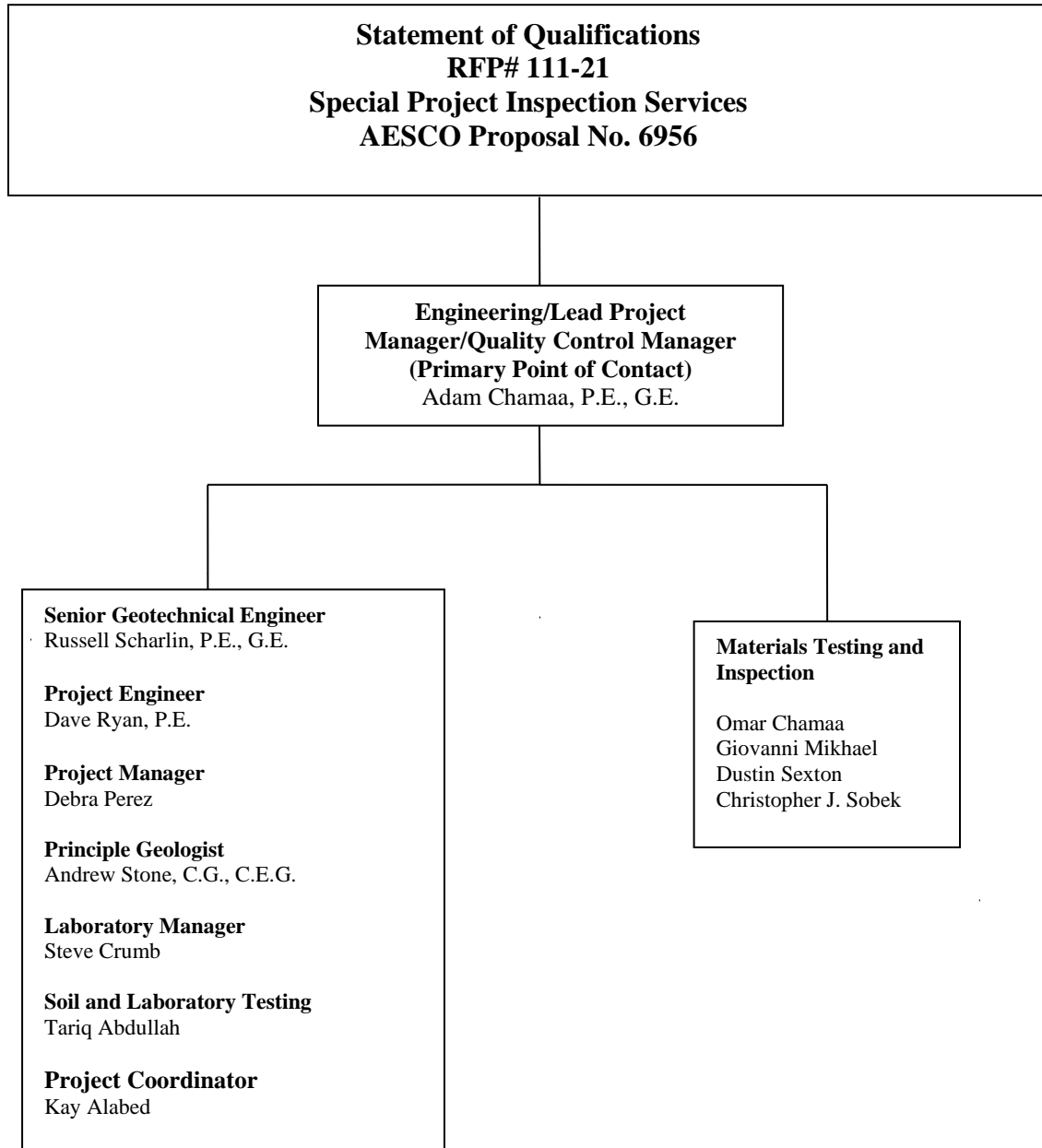
Name	Years of Experience	Education/Credentials
		ACI Certified, Concrete Field Testing Technician Certified Radiation Safety and Nuclear Gage Operator Caltrans Certificate of Proficiency for: Air Content, Freshly Mixed Concrete, Pressure, Density of Fresh Concrete, Flexural Strength of PCC (Fabrication only), Ball Penetration in Fresh Portland Cement Concrete, Sampling Freshly Mixed Concrete, PCC Cylinder Fabrication, Slump of Fresh Portland Cement Concrete, Temperature of Freshly Mixed Portland Cement Concrete TWIC Card
Steve Crumb Laboratory Manager	11 (5 with AESCO)	B.S. Civil Engineering (in progress) California State University, Long Beach Civil Engineering Cerritos College ACI: Concrete Laboratory Testing Concrete Field Testing Concrete Strength Caltrans Calculations Grading Agg. Sampling Sample Prep. Soil and Agg. Sieve Analysis Percent Crushed Particles Relative Compaction Sand Equivalent Moisture Content Cleanness Durability Compressive Strength Flexural Strength Flexural Strength-PCC Sampling Fresh Concrete AASHTO: Sieve Analysis-Fine Sieve Analysis-Coarse and Fine Reducing Samples of HMA Reducing Samples of Agg. Sand Equivalent Evaporable Moisture Content Moisture Content-HMA Percent
Tariq Abdullah Laboratory Technician	21 (8 with AESCO)	B.S., Geology Caltrans Certificate of Proficiency for: Calculations for Gradings & SpG, Soil & Aggregate Prep., Sieve Analysis of Fine & coarse Aggregates, Percentage of Crushed

Name	Years of Experience	Education/Credentials
		<p>Particles, Specific Gravity & Absorption of Fine and coarse Aggregate Sand Equivalent, Moisture content, Cleanness of Coarse Aggregate, Durability Index, R-Value Soils and Bases, Preparation of Bituminous Mixtures for Testing, Bulk Secific Gravity & Denisty of Bituminous Mixtures, Theoretic Max Specific Gravity & Density of Bituminous Paving Mixtures, Stabilometer Value, Moisture Content using Microwave, Asphalt Content of Bituminous Mixes, Ignition Method</p> <p>NICET Level II for: Asphalt, Concrete, Soil Radiation Safety and Use of Nuclear Gage</p>
Christopher J. Sobek Inspector	18 (3 with AESCO)	<p>Coastline Community College, Orange Coast College, Orange County</p> <p>Inspection Certificate: Building Inspection, Concrete/Masonry Blueprint Reading, Wood/Steel Framing, Fire & Life Safety, Welding Technology, Electrical, Plumbing, Coastline Community College, Orange Coast College, Orange County</p> <p>ICBO/ICC-Reinforced Concrete, Prestress Concrete, Structural Steel/Welding, Structural Mas, Fireproofing, Building Inspection and Plumbing</p> <p>ACI Laboratory Testing-Grade I and Grade II, Transportation</p> <p>Radiation Safety and Use of Nuclear Gage</p> <p>Competent Person Training</p> <p>Post-Tensioning Institute in Unbonded Tendons</p> <p>Asphalt Institute in Mix Design Technology</p> <p>DSA Class I</p> <p>OSHPD Class A</p> <p>AWS-CWI</p> <p>NICET Level II Highway Construction Materials</p> <p>30-hour Hazardous Waste</p>
Dustin Sexton Inspector	25 (7 with AESCO)	<p>AWS/CWI Certification</p> <p>Riverside Community College</p> <p>AWS Welding Inspector</p> <p>City of Long Beach Structural Steel and Welding</p> <p>County of Los Angeles Structural Steel and Concrete</p> <p>ICC Master of Structural Inspection</p> <p>ICC Structural Steel and Concrete</p> <p>ICC Structural Welding</p> <p>ICC Structural Steel and Bolting</p> <p>ICC Spray-Applied Fireproofing</p> <p>CWI Welding</p>



Name	Years of Experience	Education/Credentials
		City of Los Angeles Welding

Note: Certificates are available upon request.



Section 3.2 Experience

3.2.1

DSA and School Experience

AESCO has extensive experience (28 years) working with the DSA and is very familiar with the requirements for approval of geotechnical engineering reports and construction materials testing and inspections. AESCO has visited the DSA several times with the client in order to expedite the approval process and has also worked with CGS geologists to expedite report approvals.

AESCO's is experienced in performing geotechnical engineering, soil testing and inspection for a large number of schools and colleges, including K through 12, middle school and high schools, for new construction and for modernization projects. AESCO has held the on-call contract for testing and inspection for the Los Angeles Unified School District for the past 9 years and has performed geotechnical and environmental engineering and materials testing and inspection for the Alhambra Unified School District since 2003. AESCO has also performed geotechnical engineering for new classrooms for the Orange Unified School District, Garvey School District, Covina Valley Unified School District, Mountain View School District and for new solar panel installations for the Huntington Beach Union City School District, the Westminster School District, Anaheim Union School District, Baldwin Park Unified School District, Jurupa Unified School District, Perris Valley Unified School District, Wasco Unified School District, and the Fountain Valley Unified School District. AESCO performed all of the testing and inspections during construction of the new excelsior Education Center for Victor Valley High School District and new classrooms for the Centinela Valley High School District. AESCO has also performed geotechnical and environmental engineering and construction materials testing and inspections for the Long Beach Community College District, California State University, Los Angeles, and for the University of California, Los Angeles. AESCO has provided services on various school projects with construction dollar values ranging between \$5,000 and \$50M.

Below is a list of colleges and school districts which AESCO has worked with in the past.

Long Beach Community College District
Los Angeles Unified School District
Alhambra Unified School District
Excelsior High School/Victor Valley Union High School District
Westminster School District
Fullerton Joint Union High School
University of California
California State Universities
Huntington Beach Unified School District
Orange Unified School District
Jurupa Unified School District
Fountain Valley Unified School District

Chino Valley Unified School District
Bassett Unified School District
Garvey Unified School District
Beverly Hills Unified School District
Magnolia School District
Perris High School District
Oceanview School District
Perris Union High School District
Barstow Unified School District
Victor Valley Unified School District
Centinela Valley Union High School District
Mountain View School District
Covina Valley Unified School District

Geotechnical Engineering Capabilities

Information from geotechnical investigations are used to develop preliminary evaluations. Our experienced field engineers and drillers assess the subsurface conditions as they are encountered to achieve an accurate representation of the soil and bedrock materials beneath a site.

AESCO can deliver geotechnical services, from routine classifications, to triaxial shear and consolidation tests. Our laboratory testing services include testing of soils, concrete, masonry, fireproofing, asphalt, roofing, and aggregates. Laboratory testing is performed using ASTM, AASHTO, and other applicable specifications and guidelines.

Special testing services and field laboratories can be provided, as necessary. In addition to comprehensive soil testing, we are equipped to perform a variety of rock mechanics test procedures, in accordance with standard methods specified by ASTM, ISRM, and CANMET.

AESCO's geotechnical investigations have included:

- Foundation and pavement design
- Bridge foundation design
- Special site investigations for vibration monitoring
- Field permeability tests
- Settlement problems
- Compaction monitoring and testing
- Slope stability problems such as earthen dam failures
- Shallow foundations and rigid mats
- Deep foundations and pressure injected footings
- Earth retaining structures and reinforced earth
- Geological reinforced fill
- Deep, dynamic ground improvement, surcharge and grouting
- Highways, airports, railroads and pavements
- Slope design, soil and rock stability

- Landslide analysis and control
- Expansive/collapsing soils
- Geologic and seismic hazard per Title 24
- Settlement and subsidence analysis
- Underpinning and special foundations
- Dams, reservoirs and dam studies
- Liners
- Hydroelectric facilities
- Dynamically loaded foundations
- Soil and rock instrumentation and blast monitoring
- Construction dewatering and drainage
- Tunnels, pipelines and utilities
- Forensics
- Creek, river and waterfront protection
- Liquefaction analyses
- Fault evaluation

AESCO provides full grading inspection services during construction. Our inspectors are capable of performing field inspection and testing of fill materials, excavations, foundations, and shoring. Our inspectors are trained to perform compaction testing with the sand cone or nuclear density gauge test method and are licensed to operate nuclear density gauges.

Construction Materials Testing and Inspection Services

AESCO operates a construction materials engineering (CME) laboratory in Huntington Beach, California, and is capable of performing in-house or on-site testing and inspection services. Our laboratory produces thousands of reports annually involving concrete, aggregates, soils in-place, and bituminous materials. AESCO also regularly tests and inspects brick, granite, stone masonry, mortar, reinforcing steel, and manufactured elements such as pre-stressed beams and pre-cast panels.

Engineering consultation and inspection services are available for each phase of construction including:

- Aggregate Evaluation
- Concrete Mixtures-Design, Inspection, and Testing
- Bituminous Materials Testing
- Up to 600,000-pound universal test machines
- Charpy V Notch test apparatus
- Rockwell hardness testing machines
- Refractory Testing
- Concrete Masonry Block
- Roof Inspection and Testing
- Soils Compaction and Stabilization Tests and Inspection
- Structural Steel Fabrication and Erection Inspection and Testing
- Qualification of Welders and Procedures

- Welding Inspection
- Rebar Inspection and Testing
- NDT Testing and Inspection

Mobile Laboratory

AESCO operates a fully functioning, self-sufficient mobile laboratory which can provide immediate and reliable test results for any project. The mobile laboratory can perform on-site testing for rapid strength concrete, maximum density-optimum moisture tests for rapid compaction testing results, sieve analysis, Atterberg Limits, Sand Equivalent tests, aggregate testing, asphalt, etc. Our laboratory is Caltrans certified. The mobile laboratory has a compression testing machine for concrete, ovens, equipment to fabricate test specimens, curing containers, water tanks and pumps, and portable generators.

Environmental Engineering

AESCO can provide a full range of Environmental Engineering services that are vertically integrated to deliver a complete “turnkey” package including: Phase I-Initial Environmental Site Assessment (ESA), the Phase II-Investigation, Phase III-Remediation and Mitigation Design, and Final Close Out Report. In addition, AESCO provides a range of Regulatory Compliance services. AESCO also provides regulatory compliance and guidance associated with UST programs, potable water systems and methane and soil-vapor monitoring. The potential liabilities associated with the presence of hazardous substances on a property can be substantially greater than the value of the property itself. Environmental laws and court decisions have increased the risk of liability for lenders as well as for buyers, sellers and operators of property. AESCO assists clients in making critical, timely and economically sound decisions on property management and ownership transfers. Our Environmental Site Assessment (ESA) services are offered in phases to provide maximum benefits in the most cost effective manner.

3.2.2

Project Listing

A listing of the 10 most recent K-12 school projects with client contact in the last 3 years is provided in the table below.

RFP# 111-21
Special Project Inspection Services
AESCO Proposal No. 6956

Project Name	Scope of Work	Contact Name	Title	Agency	Phone Number
Grover Cleveland High School	Performed construction materials inspection and testing for the three buildings, #4, #5 and #21 as part of construction package for mechanical and electrical power system alterations and seismic improvements. The work to be inspected will consist of alterations and improvements to Classroom Buildings 4 and 5 HVAC, plumbing and electrical systems and the replacement of four restroom slabs. For the Gym Building #21, testing services will include new concrete for the slab on grade in specific areas, new bleachers, suspended ceiling and HVAC supports that require drilled anchors in the ceiling of the Gym. Items to be inspected and tested include drilled anchors, welding of metal stud framing, epoxy anchors, epoxy dowels and slab concrete and reinforcing steel bars.	Wayne Quier	Building Construction Inspector	LAUSD	213-745-1530
MacClay Wellness Center	Performed construction materials inspection and testing for completing construction of the second increment for the Maclay Wellness Center. The work in increment 2 consists of new one-story steel frame building with concrete foundations. The site work will be completed having begun in incremented #1 with the hardscape paving. Included in the scope of work for the building portion are the special inspection services. These services will include periodic and continuous inspection of reinforced concrete placements, structural steel erection, concrete masonry placement, metal decking, high strength bolting, and shop and field welding. Required tension testing of the ceiling wires, post installed anchor bolts and epoxy bolts will be performed. There will be sampling for concrete reinforcing steel, high strength bolts, CMU block, prisms and grout, as well as concrete batch plant inspections. The number of tests will be as required by the project plans and specifications.	Augustus Matias	IOR	LAUSD	(818) 822-5161
Westchester High School	Perform structural testing and inspection including concrete, welding, and rebar.	Jose Macaraeg	OAR	LAUSD	213-241-4569
Fulton Middle School	Conducted materials testing and inspection. In-place density and moisture content tests to determine degree of field compaction.	Joseph Hastie	Construction Manager	LAUSD	(714) 231-2229
Kentwood EEC	Inspection and testing including review allowable soil bearing strength, base and native soil for compaction, concrete slabs, retaining walls, hand rails, foundations concrete paving, post-installed anchor inspection and testing.	Aaron Davie	Inspector of Record	LAUSD	(213) 200-9060
Richland Elementary School	The work to be inspected will consist of several new concrete ramps with steel railings, a wheelchair lift and improvement for existing ramps using steel pipe handrails requiring welding inspection. Improvements in bathrooms will require installation of anchors in concrete with inspection and testing of the anchors.	John Gilbert	Inspector of Record	LAUSD	818-912-8930
2nd Street Elementary School	Construction materials inspection and testing for new paving for project. Batch plant inspection and testing of concrete	George Beltran	Building Construction Inspector	LAUSD	213-220-0386
Roosevelt High School	The Inspection and Testing services will include reinforcement steel, structural concrete, concrete masonry unit construction, fabrication of structural steel, high strength bolts, shop and field welding, nondestructive testing, asphaltic concrete, base material, and spray applied fireproofing. Along with the concrete and masonry, there will be testing of masonry cores and numerous post-installed drilled and epoxy anchors.	Terry Mcmeekin	IOR	LAUSD	(323) 313-4902
Esteba Torres HS Shade Structure(4)	The Inspection and Testing services will include reinforcement steel, structural concrete, concrete masonry unit construction, fabrication of structural steel, high strength bolts, shop and field welding, nondestructive testing, asphaltic concrete, base material, and spray applied fireproofing. Along with the concrete and masonry, there will be testing of masonry cores and numerous post-installed drilled and epoxy anchors.	Steve Jaime	IOR	LAUSD	323-680-8410
2 Relocated Moduler Class Rm buildings at Hisamatsu Tamura ES	Perform in depth geotechnical engineering services, mitigate for liquefaction and geohazard associated with the site. During construction, performed the geotechnical engineering inspection, testing and observation, constrcution material testing and inspection as per DSA requirements.	Joseph Hastie	Construction Manager	LAUSD	(714) 231-2229

3.2.3

Project Team

A listing of all public works and California school projects that key team members (Adam Chamaa, P.E., G.E., Russell J. Scharlin, P.E., G.E. and David Ryan, P.E., have worked on in the past 3 years is provided in the table below.

Project Name	Project Key Staff			
	Adam Chamaa	Russ Scharlin	David Ryan	Debra Perez
LAUSD 03-118992 Grover Cleveland High School Bld E, F G 8140 Vanalden Ave., Reseda, CA 91335	X		X	X
LAUSD 03-118101 Locke Charter HS GYM HVAC 325 E. 111th St., Los Angeles, CA 90061	X		X	
03-118424 LAUSD Tweedy Learning Center 5115 Southern Ave. Southgate, CA	X	X	X	
LAUSD 03-116961 HVAC Replacement Menlo Elementary School 4156 Menlo Avenue, Los Angeles, CA, 90037	X	X	X	
LAUSD 03-114788 Add WK Small Learning Community Gardena High School 1301 W. 182nd St., Gardena CA	X		X	
LAUSD 03-117136-Corona ES HVAC Improvements 3825 Bell Ave, Bell, CA	X		X	X
LAUSD 03-118518 WELLNESS CENTER SANTEE HS 1921 MAPLE AVE. LOS ANGELES, CA 90011	X		X	
LAUSD 03-118866 Phase 2 ADA Modifications 68th St. ES, Los Angeles, CA	X		X	
LAUSD 03-118516 Holmes ES Wellness Upgrade 5108 Holmes Ave. LA 90058	X		X	
LAUSD 03-xxxxxx Markham MS Low Impact Development and Storm Drainage Upgrade 1650 E 104th St. Los Angeles, CA 90002	X	X	X	
Group Delta LAUSD University HS 11800 Texas Ave, Los Angeles, CA 90025	X		X	
LAUSD 03-XXXXXX Prop 39 Phase III Energy Efficiency, Eagle Rock HS, Proj# 23.11389, 1750 Yosemite Dr, Los Angeles	X		X	
LAUSD 03-118880 Phase 2 ADA Scope for Enriched Sciences Magnet, 17551 Miranda St. Encino, CA	X		X	
LAUSD 03-118161 ADA Barrier Removal Academy for Enriched Sciences Magnet	X	X	X	
LAUSD 03-xxxxxx 10369689 HELIOTROPE AVE ES 3525 Woodlawn Ave Maywood 90270	X	X	X	X
LAUSD 03-117752 Fries Ave ES 1301 FRIES AVENUE, WILMINGTON, CA 90744	X		X	
Group Delta GDC MT3210 LAUSD Marina EEC	X		X	
LAUSD 03-118204 Pacoima MS Auditor Seismic Retrofit 9919 Laurel Canyon blvd Pacoima, CA	X		X	X
LAUSD 03-118888 Shade Structure Commonwealth ES 2015 S Commonwealth Ave, LA 90004 CANCELED	X		X	X
LAUSD 03-118934 116th st. ES Barrier Removal 11610 Stanford Ave. LA	X		X	X
LAUSD 03-xxxxxxx , building Repair CARSON HS, 22328 S Main St. Carson, 90745	X		X	X
Orange County Public Works OCPW OC Data Center Cooling Plant Refresh	X		X	X
OCPW Probation Dept. Tenant Improvements,23271 Verdugo Dr., Laguna Hills, Ca 92653	X		X	
Orange County Public works OCPW OC Zoo Restroom & Interim Entry	X		X	
Pyramid UCLA Factor building 700 Tiverton Ave, LA	X	X	X	
F1970 FVSD Talbert Middle School Modular Buildings 9101 Brabham Drive, Fountain Valley, CA	X		X	X
F1972 FVSD 04-118883 Fulton Middle School Modular Buildings 8778 El Lago Avenue, Fountain Valley, CA	X		X	X
Smith Emery LAWA Los Angeles World Airports – On Call Specialty Staffing and Materials Testing	X		X	
Huntington Beach CC 1449 Brookhurst Bridge Renovation 55C-0096 BPMPL-5181	X		X	
OHL I-405 Design-Build QV QC I&T Task OCTA 41595 Caltrans EA - 12-0H100	X		X	
Infrastructure Citywide Safety Enhancement CIP-3835 Bell Gardens, CA	X		X	
Costa mesa PO#11629 Tewinkle Park 6429 Arlington Dr., Costa Mesa, CA 92626	X		X	
Smith Emery Long Beach City College - Bldg J	X		X	
F1685 Michael Baker Huntington Beach Saybrook Lift Station Saybrook and Heil Huntington Beach	X		X	
F2112 Various Street Improvements Costa Mesa	X		X	
F1587 DEA LARICS IRWPD 5050 Irwindale Ave., Irwindale, CA 91706	X		X	
LAUSD 19-68 03-119649 Richland ES ADA Barrier Removal 11562 Richland Ave, LA, CA 90064	X		X	
LAUSD 03-120367 Stevenson MS Energy Upgrade Prop 39 725 S. Indiana Street, LA 90023	X		X	
LAUSD 03-119127 MacClay Wellness Center 12451 W Gain Street Pacoima CA 91331	X		X	
LAUSD 03-119640 ADA upgrade Westchester HS 7400 W. Manchester Avenue, LA 90045	X		X	
LAUSD 03-120214 Fulton College Prep School Prop 39 Energy Upgrade	X		X	
LAUSD 03-119868 Glassel Park ES - Seismic Retrofit of Main Building 2211 W. Ave. 30 Los Angeles, CA 90065	X	X	X	
LAUSD No DSA # Playa Del Rey ES Sloped Sidewalk 12221 Juniette St. Culver City, CA	X		X	
LAUSD 03-119716 Shade Structure Kester 5353 KESTER AVE. VAN NUYS, CA	X		X	

Project Name	Project Key Staff			
	Adam Chamaa	Russ Scharlin	David Ryan	Debra Perez
LAUSD 03-119126 Balboa Mental Wellness Center 6655 N Balboa Blvd Van Nuys CA 91406	X		X	
LAUSD Materials T&I - Rebar Detection Block Wall Banning HS	X		X	
AMEC LAUSD 03-117588 Canfield ES - Interim Housing 9233 Airdrome St. Los Angeles, CA	X	X	X	
BHUSD Site Enhancements Package 1A at Beverly Vista School 200 S Elm Dr., Beverly Hills, Ca. 90212	X		X	X
OCPW GEORGE KEY RANCH HISTORIC PARK LA HABRA EARTHQUAKE REPAIR	X		X	X
OCPW GAO 1001 S. Grand Santa Ana CA 92705	X		X	X
OCPW IFB 080-C019625-RE 800 MHz OC Sheriff 22202 Brookhurst Street, Huntington Beach, CA	X		X	X
OCPW Wheel Fun Rentals, 1 Irvine Park Road, Orange, CA 92869	X		X	X
OCPW Westminster Library 8181 13th Street, Westminster, Ca. 92683	X		X	
OCPW TECR Ted Craig Park 3300 N State College Blvd., Fullerton, CA 92835	X		X	
F3715 Pyramid SPH 3860 East Crest Road, Palos Verdes, CA ret	X	X	X	
F3881 FVSD Oka Elementary School 9800 Yorktown Avenue, Fountain Valley, CA	X		X	X
F2471 Simi Valley New Warehouse 600 W. Los Angeles Avenue Simi Valley, CA	X		X	X
IEM POLB Administration Building Pier E	X		X	
Costa Mesa City Hall Council Chamber Asbestos Sampling	X		X	
F2751 NV5 Hacienda Blvd. Evaluation, La Habra Heights	X		X	
F2839 Huntington Beach Sewer Line repair 15241 Cascade, Huntington Beach	X		X	
OCPW GEORGE KEY RANCH HISTORIC PARK LA HABRA EARTHQUAKE REPAIR	X		X	
Simon Wong - Kleinfelder OCTA RFP 5-3673 CM Services for the Laguna Niguel To San Juan Capistrano Passing Siding Project	X		X	
OCPW GAO 1001 S. Grand Santa Ana CA 92705	X		X	
F2857 Huitt-Zollars Santa Ana Septic to Sewer Conversion Project	X		X	
Costa Mesa 18-10 19th to Wilson Harbor Blvd Median Improvement	X	X	X	X
Orange County Public LAGUNA NIGUEL PARK RESTROOM REMODEL 28241 LA PAZ RD, LAGUNA NIGUEL, CA 92677	X	X	X	X
GK Downey CIP 19-13 Multi Streets Pavement Rehab Due 04-10-19 DR	X		X	X
Burns and McDonell JFTB TSC Storage Joint Forces Training Base, Los Alamitos	X		X	
F2953 Huntington Beach, Arterial Rehabilitation Project, CC 1576, Graham St, Newland St and Atlanta Ave	X		X	
OCPW Wheel Fun Rentals, 1 Irvine Park Road, Orange, CA 92869	X		X	
Hout-OCTA Garden Grove Maintenance Bldg. Floor Moisture 11790 Cardinal Cir. GG, CA 92843	X		X	
Smith Emery LAX QA Combination MEP Deputy Inspector at LAX Terminal Building	X		X	
BHUSD Site Enhancements Package 1A at Beverly Vista School 200 S Elm Dr., Beverly Hills, Ca. 90212	X		X	X
OCPW 800 MHz San Clemente, 721 Avenida Salvador, San Clemente, CA Frank Cristaldi	X	X	X	
Huntington Beach Alley of Grahm Asphalt Mix Design	X		X	
Orange County 828-080-828-1830-1400-EK890000 Testing & Inspection Civic Center ASAP	X		X	
City of Anaheim Muzeo Bldg Foundation Concrete Evaluation 241 S. Anaheim Blvd., Anaheim	X		X	
F4978 Michael Baker MB Library Lift Station, Huntington Beach	X		X	X
F5076 FVSD Fulton Middle School Trash Enclosure Foundation 8778 El Lago Avenue, Fountain Valley, CA	X		X	X
GK Downey CIP 14-13 Civic Center Dr & 3rd dt Pacement Rehab 9-13-19	X		X	
LAUSD 03-119429 Roosevelt HS Comprehensive Modernization 2510 E. 6th St LA, Ca 90023	X		X	
LAUSD-03-120452 Kentwood EEC Outdoor Classroom 8376 Dunbarton Ave Los Angeles	X		X	
LAUSD 03-119885 2nd street ES 1942 E 2nd St LA 90033	X		X	
LAUSD Kenter Canyon ES DSA 03-117277 Summer JOC #191725 Phase 2 645 N Kenter Canyon Ave. Los Angeles 90049	X	X	X	
LAUSD Broadous ES, Shade Structure 03-118526 12561 Filmore St, Pacoima, CA 91331	X	X	X	
LAUSD 03-119433 Esteba Torres HS Shade Structure(4) 4211 Dozier St LA, ca 90063	X		X	
LAUSD 03-118825 Chase EEC, Shade Structure 8635 Colbath Ave Panorama City Ca 91402	X		X	

Project Name	Project Key Staff			
	Adam Chamaa	Russ Scharlin	David Ryan	Debra Perez
LAUSD Garcetti chair lift 03-119726 68 St. Elementary 614 W. 68th St. Los Angeles, CA 90044	X		X	X
LAUSD 03-xxxxxx JOHN BURROUGHS MIDDLE SCHOOL MS Shop Building (Building 9)	X		X	X
LAUSD 03-120695 Russell E.S. Barrier Removal, 1263 E. Firestone Blvd. LA, 90011	X	X	X	
LAUSD (Non-DSA) Ranchito ES- Concrete Ramp 7940 Ranchito Ave Panorama City Ca 91402	X		X	
LAUSD San Pedro EEC Remodel-No DSA-Soil-950 West Santa Cruz St. Los Angeles, CA90731	X		X	
LAUSD Franklin HS - Water Intrusion In Elevator Pit 820 N Avenue 54 Los Angeles Ca 90042	X		X	
LAUSD 03-120254 Dahlia Heights ES - Classroom Replacement 5063 Floristan Ave, Los Angeles, CA 90041	X		X	
LAUSD 75th St. EEC, Restroom Upgrades 03-119312 242 W 75th St, Los Angeles CA 90003	X		X	
LAUSD Geo (Non-DSA) Belvedere ES ADA Improvements 3724 E 1St. LA CA 90063	X	X	X	
LAUSD Collins EEC, Restroom Upgrades 03-119311 242 W 75th St, Los Angeles CA 90003	X		X	
BHUSD Beverly Vista Remov. Ph II 03-120068 200 South Elm Drive, BH, CA 90212	X		X	X
OCPW OCH Probation Building Chiller- Cooling Replacement 909 N. Main Street Santa Ana, Ca	X		X	X
MIK OCPW Orangewood child & family ctr Laundry Rehab 401 The City Drive South, Orange 92868	X		X	
OCPW Parking Structure P8 301 W. 5th Street, Santa Ana, CA 92701	X		X	
OCPW OC Community Resources Mason reg. Park Irvive - Shade Structures 7-6-20	X		X	
OCPW TFC Secure Parking & Gates, Landsdowne Rd, Tustin	X		X	
F9620 Pyramid CTYWLK UNIV Citywalk 1000 Universal Studios Blvd. Building 405 N4 Tower, Universal City, CA 91608	X	X	X	
OCPW Fountain Valley Mile Square Park. It is the replacement of 16 shelters within the park	X		X	
F6371 Peters Engr Traffic Circle 22 HSIP Cycle 9 Safety Improv Ave & Grangeville Blvd., Kings County	X		X	X
Santa Ana Project 06-3510 San Lorenzo Sewage Lift Station Baker and Segestrom	X	X	X	
Moreno Valley 2019-039 805 0054 City Hall Annex Solar Carports and Electric Vehicle Charging Stations	X	X	X	
F8369 Completed Anaheim Geotech, Utility Base Map & Hydrology, Boysen Park – Well 46 (Wagner and State College), Anaheim	X		X	
BHUSD 03-120903 Restrooms Horace Mann ES 8701 Charleville Blvd, Beverly Hills, CA 90211	X			
LAUSD 03-117096 Pio Pico MS 1512 Arlington Ave. Los Angeles CA 90019	X		X	
G0471 FVSD Talbert MS Modular-Science add Borings 9101 Brabham Drive, Fountain Valley, CA	X	X	X	X
LAUSD 03-118827 24th St EEC Shade Structure Project Soils Testing Inspections Due 4-1-21	X		X	
LAUSD 03-120538 Marquee Sign-Banning HS 1527 Lakme Avenue Wilmington, CA 90744	X		X	
MIK OCPW El Toro Library Remodel, 24672 Raymond Way, Lake Forest, CA 92630	X		X	
Dalke and sons OCPW rancho Santa Margarita Library 30902 La Promesa, rancho Santa Margarita 92688	X		X	
G1243 Pyramid PNS Poway, CA	X		X	
Smith Emery LAWA - On-Call Testing & Inspection 1-18-21	X		X	
BHUSD Beverly Vista Renov. Ph II HVAC 03-120806 200 South Elm Drive, BH, CA 90212	X		X	X
BHUSD 03-120903 Restrooms Horace Mann ES 8701 Charleville Blvd, Beverly Hills, CA 90211	X	X	X	
BHUSD 03-120812 HORACE MANN KINDERGARTEN RR & DRK FTNS IMP. 8701 Charleville Blvd. Beverly Hills, CA 90211	X		X	

3.2.4

Public Works Requirements

AESCO has worked closely with the Division of State Architect (DSA) on many school projects in southern California and is very familiar with the requirements for approval of geotechnical engineering reports and construction inspection and testing reports. AESCO is familiar with the codes and requirements including Section 17212 and 17212.5 of the Education Code, Title 24, Part 2 of the California Code of Regulations and Title 24 Part I of the Code of Regulations, as well as Section 1803A of the 2016 California Building Code (CBC) for Seismic Design Categories D through F and Chapter 16, Structural Design, Chapter 18, Soils and Foundations, and Appendix J, Grading, and CDMG Note 48. AESCO has visited the DSA offices several times with our clients in order to expedite the approval process and has also worked with CGS geologists to expedite report approvals. AESCO is very experienced with the DSA pre-check. AESCO is also familiar with the requirements within the California Department of General Services Office of Public School Construction (OPSC) School Facility Program Handbook for new construction and modernization projects and the need for labor compliance and Prevailing Wages. All testing will be performed in AESCO's DSA LEA approved laboratory and all work will be in compliance with applicable governing local, State and Federal agencies and laws, including DSA's Procedures PR 13-01 Procedure: Construction Oversight Process. Our LEA number is 177.

3.2.5

District Contracts

AESCO has never held a contract with Newport-Mesa Unified School District.

Section 3.3 Project and Cost Management

3.3.1

Project Management

AESCO has been successful in consistently completing its projects within the assigned budget and schedule. We thoroughly evaluate our task and scope of work and build an efficient budget for our work. Therefore, we seldom exceed the budget or schedule. AESCO has a practice of obtaining advance approval from clients prior to initiating any work which will add costs to the originally approved budget.

AESCO has successfully fast-tracked projects for new classroom structures for Northrup and Garfield Elementary Schools for the Alhambra School District. The projects were originally scheduled to be completed within 6 weeks but were actually completed within 3 weeks. **AESCO worked closely with DSA to get approval of the report within 3 weeks after submittal.** AESCO also has extensive experience with seismic hazards; performing liquefaction, settlement and slope stability analysis.

Innovative and Flexible Approaches

AESCO has used various approaches to save clients time and money as shown below:

- AESCO can provide immediate response to short notice requests

- AESCO is available to work around the clock, when needed
- AESCO has a Geotechnical Engineer/Project Engineer available at all times to respond to emergency needs
- AESCO can provide a fully equipped concrete mobile laboratory to assist in immediate on-site testing
- An example of our approach is the emergency response AESCO provided to the City of Huntington Beach when a large sinkhole developed in the middle of one of the major thoroughfares; Warner Avenue. AESCO personnel were on-site around the clock to assist in the repair and to devise a dewatering system to be used during construction. The project was completed approximately 20 percent earlier than was anticipated.
- AESCO also provided emergency response to the Alhambra Unified School District when an excavation flooded at night due to broken water line at Garfield Elementary School. AESCO's Geotechnical Engineer was on-site at 7:00 A.M. on a Saturday to assist the District in mitigation of the problem and to stabilize the subgrade.
- AESCO also responded to a slope failure along in Highway 330 near Lake Arrowhead. AESCO worked double shifts and weekends performing the geotechnical investigations and recommendations for the contractor to repair the road in a timely manner.

Project Approach

Materials Testing and Inspections

AESCO's method of operation is the following:

- Prior to the start of any project AESCO will become familiar with the contract documents, project plans, technical specification, existing site(s) and conditions, and other pertinent project documents.
- Prior to the start of any project AESCO will meet with the DISTRICT to review staffing, project needs, coordinate inspections and testing, review budget controls, and will also attend the pre-construction meeting(s) if requested.
- AESCO provides a 24-hour live answering service and one of our Project Engineers is always available to answer any technical or scheduling issues. Technicians shall be available upon 24-hour notice and for occasional night work.
- AESCO digitally controls all assigned tasks to our technicians and each unit of service is closely watched by our project manager. AESCO does not exceed the assigned budget for its services prior to authorization by the DISTRICT.
- The technician will check in with the District's DSA project inspector at the job site before start of daily work and prior to leaving the site. The technician will submit a field report that will indicate the services performed, the amount of time spent and the number of tests taken.
- The inspector (or inspectors) then arrives at the site to perform the required testing and inspections. The technician will arrive at the site with the correct equipment, calibrated to existing standards with documentation. Equipment calibration shall be performed prior to the start of work and costs are included in the total hourly rate for

- field services. All samples will be transported from the project site to the laboratory for testing as required.
- All breaks and laboratory testing is scheduled through our electronic dispatch system where notification is atomically issued to the laboratory manager to perform specific tests, such as; breaks of concrete cylinders at a schedule of 7-day, 14-day and 28-day breaks; beam breaks; masonry block breaks; prism breaks; etc.
 - Daily field reports and test results are created digitally in a standard report format and emailed within 24 hours of completion of the test or inspection to the DISTRICT. Field testing/compaction results of subgrade or asphalt concrete shall be communicated to DISTRICT personnel as soon as the tests have been completed, on same day of testing, with hard copy to follow.
 - Any test or inspection deficiencies, such as; failing compaction, concrete not reaching the required strength, concrete with high slump, cleanness of rebar, cleanness of footings, etc., will be discussed immediately with the DISTRICT. Our professionals will provide practical solutions to critical issues encountered in the field, considering both cost and technical implications.
 - A draft report summarizing test results and raw data will be submitted for review following completion of construction which will summarize all failed and passing tests. The report will include the tests performed, where the test was performed or the sample was taken, testing dates at time, and test standard used, the approximately quantity of material represented by the test, will clearly identify a pass or fail result, and will summarize findings, conclusions, results and recommendations. The draft report will be signed by a California Licensed Professional Engineer/Geotechnical Engineer. After written approval, a copy of the final certification report of all inspection services performed for specific projects will be completed within 10 working days. All laboratory reports and inspection reports are supervised, reviewed and signed by a California Licensed Professional Engineer/Geotechnical Engineer.
 - AESCO will comply with OSHA requirements Safety Standards.
 - All technicians are adequately insured for liability and property damage, and a copy of the policy will be forwarded to the DISTRICT upon request.
 - All inspectors are required to communicate on a daily basis with our Quality Control Manager who ensures that all work is being performed in accordance with the Quality Control Manual.

Project Approach

Geotechnical Investigation

Prior to performing any soil borings AESCO will coordinate with Underground Service Alert to identify existing underground utilities. Any necessary permits will be obtained prior to drilling. All soil borings which will be placed within the footprint of the proposed structure(s). The boring locations will be based on site accessibility and the location of underground utilities. The upper five feet of the soil will be excavated by hand auger to prevent damage to undetected underground utilities. The borings will be logged and representative soil samples will be obtained at selected depths and at changes of soil stratum. Borings will be backfilled immediately upon completion of drilling and the ground surface will be patched to match the existing. Left-over spoils will be removed.

Laboratory testing will be performed on representative soil samples to evaluate their engineering properties. Laboratory testing may include volatile organic compounds, moisture content, density, expansion index, direct shear, corrosivity, percent passing the #200 sieve, etc. Laboratory test results will be included on the boring logs and within the geotechnical report.

Seismicity screening will be conducted and will include a review of available seismic hazard maps and technical publications. The following potential seismic and geologic hazards will be reviewed: liquefaction, seismic ground shaking, lateral spreading, differential settlement, fault rupture.

Our geotechnical engineering analysis will be based on the results of our investigation. We will provide signed and sealed copies of a written report after completion of the site investigation that includes the following: a brief description of the proposed project; a site location map showing boring locations; a description of the field investigation and laboratory testing; the laboratory test results and boring logs; soil classification, potential seismic hazards, including seismic evaluation, UBC Seismic Zone Coefficients, soil profile, ground shaking and liquefaction potential; geotechnical feasibility evaluation; preliminary foundation design, including recommended foundation type, bearing capacity, settlement, groundwater, pavement parameters, earthwork recommendations, and other parameters for design including percolation testing when needed.

AESCO's commitment to quality assurance extends to field and laboratory staff that is certified in various technical disciplines by multiple agencies such as City of Los Angeles, Caltrans, ACI, NICET, and ICC. Field technicians and inspectors provide detailed documentation of construction operations and specification compliance. AESCO's accredited materials testing laboratory and collection of resourceful field equipment enable our professionals to efficiently determine precise methods for qualifying construction materials.

Special Inspection and Materials Testing Philosophy and Process

AESCO maintains a strict Quality Control Program (QCP). AESCO is a member of, and certified by several independent certification agencies, such as DSA, AMRL, CCRL, Caltrans, the City of Los Angeles, and the City of San Diego. AESCO is also part of the yearly reference sampling program for these agencies. These involvements ensure a rigorous training of AESCO's technicians and test method verifications. AESCO maintains current test manuals and standards. All laboratory testing and field investigations are supervised by AESCO's registered engineer. The test results are reviewed by AESCO's project manager and principal geotechnical engineer, each of whom has 30 years of experience.

AESCO has used cloud computing and other forms of technology to streamline client communication, improve the documentation process and provide technicians an efficient way to record results. Allowing clients and team members the ability to verify and track the status of our field, shop and lab work. This method has improved project tracking, collaborating on solutions and ensuring the project is inspected in accordance with the contract documents and intent of the design professionals.

Section 3.4 Subconsultants

AESCO does not anticipate the use of subconsultants for this project.

Section 3.5 References

AESCO is pleased to present this brief list of references for projects we have provided similar services.

Client Name: **Los Angeles Unified School District**
333 South Beaudry Avenue, 22nd Floor, Los Angeles, CA 90017
Name: On-Call Contract, Various Projects
Contact Names & Phone: Mr. Christopher Lugo, Project Inspector (213) 598-3654
Dates of Service: 2011-present
Description of Service: Construction inspection and materials testing for various school projects.

Client Name: **Los Angeles Unified School District**
333 South Beaudry Avenue, 22nd Floor, Los Angeles, CA 90017
Name: On-Call Contract, Various Projects
Contact Names & Phone: Mr. Saer Elfarrar, Senior Construction Engineer (818) 224-0063
Dates of Service: 2011-present
Description of Service: Construction inspection and materials testing for various school projects.

Client Name: **Fountain Valley School District**
10055 Slater Avenue, Fountain Valley, CA 92708
Contact Names & Phone: Mr. Joe Hastie, Maintenance and Operations Director, (714) 231-2229
Dates of Service: 2018-present
Description of Services: Geotechnical and Materials Testing and Inspection

Client Name: **Victor Valley Union High School District, Victorville**
16350 Mojave Drive, Victorville, CA 92395
Name: Excelsior Education Center
Contact Names & Phone: Mr. Doug Dummit, IOR, (760) 559-2198
Dates of Service: 2011-2013
Scope of Work: Construction and materials testing and inspection services for a new education center in Victorville. The project consisted of several precast concrete structures (Prefast) and conventional structures as

well as associated improvements. Testing and inspection was conducted both at the site and at the precast plant in Corcoran, California and at the steel fabrication plant in Houston, Texas.

Client Name: **Alhambra Unified School District**
1515 West Mission Road, Alhambra, CA 91803
Name: Numerous, Various Projects
Contact Names & Phone: Mr. Don Blayney, IOR, (818) 427-6154
Dates of Service: 2004-present
Scope of Work: Construction materials testing and inspections and geotechnical engineering performed for new structures and upgrades for various school projects at elementary, middle and high schools.

Section 3.6

Legal Issues

AESCO does not have any pending legal action against the firm or any employee of the firm alleging violations of the law in connection with an offering of municipal securities in a California transaction.

There have been no settlements or judgements involving such actions within the last five years.

There has been no judgement, settlement, or arbitration award, valued at \$5,000 or greater relating to a civil action judgement, settlement, arbitration award, or administrative action for any individual licensee, as required to be reported to the State of California.

Section 3.7

Other Forms

All forms and attachments are included within Appendix B. The hourly fee schedule is included within Appendix C. Projects in reference to the requirements of Attachment E are included in Appendix D.

Letters of recommendation from various school districts are included within Appendix E.

APPENDIX A RESUMES

Adam Chamaa

Engineering Manager, M.S.C.E., P.E., G.E.

Registered civil and geotechnical engineer with over 35 years of experience as geotechnical quality control/quality assurance (QC/QA) manager. Responsible for QC/QA engineering for new construction, foundation, testing of concrete foundations and roadway surfaces during and after installation; design of de-watering systems; assessment of soil-related environmental contamination. Provided geotechnical design recommendations for new construction for municipal, governmental and commercial projects throughout California.

Education:

*M.S. Civil
Engineering,
Geotechnical and
Highway Design;
Louisiana Technical
University, Ruston, LA*

*B.S., Civil
Engineering,
Louisiana Technical
University, Ruston, LA*

Registrations:

*California No. C53992
(Civil)*

*California No. C2784
(Geotechnical)*

*No. 022245
(Civil)*

Specific Project Experience

Century High School – Alhambra Unified School District

Engineering Manager for a geotechnical investigation and materials testing and inspection for several new structures at Century High School. The new structures included a new classroom structure, a new cafeteria structure, new restrooms, and additional parking.

Excelsior Education Center – Victor Valley Union High School District

Engineering Manager for the construction and materials testing and inspection services for a new education center in Victorville. The project consisted of several precast concrete structures (Prefast) and conventional structures as well as associated improvements. Testing and inspection was conducted both at the site and at the precast plant in Corcoran, California and at the steel fabrication plant in Houston, Texas. Testing and inspection also consisted of the site grading, foundations, rebar, asphaltic concrete, and base and sub-base material.

Mark Keppel High School – Alhambra Unified School District

Engineering Manager for a geotechnical investigation and materials testing and inspection for several new structures at Mark Keppel High School. The new structures included a 2-story science structure, a 3-story classroom, a single-story gymnasium, expansion of the existing library, parking, and new ramp walkways.

Lampson Elementary School – Orange Unified School District

Engineering Manager performed a geotechnical investigation for a new two-story structure, a lunch shelter, and two separate additions to an existing structure.

Ramon Cortines High School – Los Angeles Unified School District

Engineering Manager for the construction and materials testing and inspection services for the career technical center. The project included concrete mix design review, testing and inspection of concrete including slump, air content and compression, formwork, reinforcing steel, post-installed anchors, structural steel, high strength bolts, welding at site and in shop, steel joists and trusses and shop fabrication.

Northrup Elementary School – Alhambra Unified School District

Engineering Manager for the fill and foundation inspection, foundation excavation, and subgrade preparation, concrete, welding inspection at the fabrication shop, rebar, epoxy, pull tests during the construction of the new classroom structure, computer laboratory and lunch shelter. Special soil stabilization and subgrade enhancement recommendations were provided to mitigate the wet, fine soil

at the site.

Belmont High School – Los Angeles Unified School District

Engineering Manager for the construction and materials testing and inspection services for a new classroom structure. The project included concrete mix design review and testing and inspection of concrete including slump, air content and compression, masonry, steel, welding, shop welding, field welding, steel joists and trusses and shop fabrication.

Fairhaven Elementary School – Orange Unified School District

Engineering Manager for the geotechnical investigation for a new single-story structure, a lunch shelter, and an addition to an existing structure.

Baldwin Park High School, Central Elementary School, De Anza Elementary School, Baldwin Park School District Office, Elwin Elementary School, Foster Elementary School, Jerry D. Holland Middle School, Charles D. Jones Junior High, Olive Middle School, Pleasant View Elementary School, Tracy Elementary School, Vineland Elementary School, Walnut Elementary School – Chevron Energy Solutions

Engineering Manager for geotechnical investigations for new solar energy facilities at 13 campuses of the Baldwin Park Unified School District. The facility included the installation of 18 arrays of solar panels placed throughout each school campus.

Garfield Elementary School – Alhambra Unified School District

Engineering Manager for the materials testing and inspection which included structural steel, rebar, electrical, welding inspection at the fabrication shop, fill inspection, foundation excavation, and subgrade preparations during construction of the new classroom, computer laboratory and library structures at Garfield Elementary School.

Brightwood Elementary School – Alhambra Unified School District

Engineering Manager for the fill and foundation inspection, foundation excavation, and subgrade preparation, concrete, welding inspection at the fabrication shop, rebar, epoxy, pull tests during the construction of the new two-story classroom structure, library, elevator tower, and lunch shelter at Brightwood Elementary School.

Fremont Elementary School – Alhambra Unified School District

Engineering Manager for the fill and foundation inspection, foundation excavation, and subgrade preparation, concrete, welding inspection at the fabrication shop, rebar, epoxy, pull tests during the construction of the new two-story and single-story classroom structures.

Russell Scharlin

Quality Control Manager

Russell Scharlin is a senior engineer with over 40 years of experience in civil engineering and geotechnical engineering. Primary responsibilities include performing all aspects of construction management, geotechnical engineering and environmental studies. Mr. Scharlin has provided design and construction management services related to pavements and foundations for numerous structures, bridges, freeways, tanks, communication towers and other structures.

Specific Project Experience

Ramon Cortines High School – Los Angeles Unified School District

Quality Control Manager for construction and materials testing and inspection services for the career technical center. The project included concrete mix design review, testing and inspection of concrete including slump, air content and compression, formwork, reinforcing steel, post-installed anchors, structural steel, high strength bolts, welding at site and in shop, steel joists and trusses and shop fabrication.

Belmont High School – Los Angeles Unified School District

Quality Control Manager for construction and materials testing and inspection services for a new classroom structure. The project included concrete mix design review and testing and inspection of concrete including slump, air content and compression, masonry, steel, welding, shop welding, field welding, steel joists and trusses and shop fabrication.

Lanterman Special Education High School – Los Angeles Unified School District

Quality Control Manager for construction and materials testing and inspection services for restroom modifications and new parking and drive areas. The project included concrete mix design review, testing and inspection of reinforcing steel, concrete including slump, air content and compression, reinforcing steel, welding, and batch plant.

Leuzinger High School – Centinela Valley High School District, Lawndale

Quality Control Manager for construction and materials testing and inspection services for a new two-story classroom structure. The project consisted of several precast concrete structures (Prefast) and conventional structures as well as associated improvements. Testing and inspection was conducted both at the site and at the precast plant in Corcoran, California and at the steel fabrication plant in Houston, Texas. Testing and inspection also consisted of the site grading, foundations, rebar, asphaltic concrete, and base and sub-base material.

Irvine High School-American Tower Corporation

Quality Control Manager for a materials investigation for an existing for an existing 60-foot tall monopole at the subject site. The project involved extending the height of the tower and adding additional antennae. The purpose of the report was to obtain a Notice of Completion from the DSA for the existing tower. Pull tension tests, welding tests and testing of the steel was performed.

Spurgeon Intermediate School-American Tower Corporation

Quality Control Manager for a materials investigation for an existing for an existing 60-foot tall monopole at the subject site. The project involved extending the height of the tower and adding

Education:

M.S., Civil Engineering (Geotechnical), University of California at Davis

B.S., Civil Engineering, University of California at Davis

40-hour Health and Safety Training

Registrations:

*Geotechnical Engineer, State of California
Civil Engineer, State of California
(Mr. Scharlin is also registered in several other states.)*

additional antennae. The purpose of the report was to obtain a Notice of Completion from the DSA for the existing tower. Pull tension tests, welding tests and testing of the steel was performed.

Crenshaw High School – Los Angeles Unified School District

Quality Control Manager for construction and materials testing and inspection services for replacement of the steam boilers. The project included concrete mix design review and testing and inspection of concrete including slump, air content and compression.

Roosevelt High School – Los Angeles Unified School District

Quality Control Manager for construction and materials testing and inspection services for a new classroom structure. The project included testing and inspection of concrete including slump, air content and compression, formwork, reinforcing steel, high strength bolts and nuts, pull tests, tension band tests, torque testing, rebar, asphalt, and batch plant inspections.

King Middle School – Los Angeles Unified School District

Quality Control Manager for construction and materials testing and inspection services for upgrades to the auditorium. The project included testing and inspection of anchor bolts, torque testing, and pull tests.

Hollywood High School – Los Angeles Unified School District

Quality Control Manager for construction and materials testing and inspection services for a small learning community center and a new track and field. The project included testing and inspection of concrete including slump, air content and compression, welding, rebar, bolt hardness, tension bend, CMU blocks, steel, and batch plant. The concrete mix design and the fabrication shop drawings were reviewed. Laboratory testing included sieves and Sand Equivalent.

Holmes Avenue Elementary School – Los Angeles Unified School District

Quality Control Manager for materials testing and inspection services of fireproofing for upgrades at the school.

David J. Ryan

Senior Engineer, P.E.

Registered civil engineer with over 40 years of experience as materials testing, special inspection services manager. Responsible for laboratory and field testing services on materials such as concrete, soils, aggregates, reinforcing steel, structural steel, high strength bolting and welded structures.

Education:

*B.S., Civil
Engineering,
University of Illinois,
Champaign-Urbana
Registrations:
California No. C49661
(Civil)*

Specific Project Experience

Elizabeth Learning Center-Los Angeles Unified School District

Mr. Ryan performed construction and materials testing and inspection services for the ADA barrier removals. The project included testing and inspection of aggregates and concrete. Pull tests were performed. A plan review was also performed.

Palms Middle School-Los Angeles Unified School District

Mr. Ryan performed construction and materials testing and inspection services for the yard resurfacing and ADA upgrades. The project included testing and inspection of welding, aggregates, concrete, and batch plant. A review of the concrete mix design and the plans was also performed.

Linda Esperanza Marquez High School-Los Angeles Unified School District

Mr. Ryan performed construction and materials testing and inspection services for the repairs to the stormwater retention system. The project included testing and inspection of reinforced steel, concrete, aggregates, batch plant, tensile strength, and rebar. A plan review was also performed.

Small Learning Community at Gardena High School-Los Angeles Unified School District

Mr. Ryan performed construction and materials testing and inspection services for the improvements to the Small Learning Community at Gardena High School. The project included testing and inspection of concrete, batch plant, aggregates, welding, and pull tests. A plan review was also performed.

Belmont Senior High School- Los Angeles Unified School District

Mr. Ryan performed construction and materials testing and inspection services for the improvements to the HVAC system. The project included inspection of welding and torque testing. A plan review was also performed.

Moor Feld Elementary School- Alhambra Unified School District

Mr. Ryan performed construction and materials testing and inspection services for the installation of temporary classrooms. The project included inspection and testing of the excavation bottom, compaction, concrete, batch plant, and welding. A review of the concrete mix design was also performed.

Indian Springs Athletic Complex, San Bernardino County, CA

Mr. Ryan supervised and reviewed the geotechnical recommendations for foundation design for the proposed stadium, running track, field and aquatics center structures and masonry side walls for the San Bernardino Unified School District. Mr. Ryan also supervised the caisson and footing installations, offsite fabrication of the stadium and construction of the pools.

Ranchito Avenue Elementary School – Los Angeles Unified School District

Mr. Ryan performed construction and materials testing and inspection services for the ADA barrier removals. The project included testing and inspection of welding, batch plant inspection and concrete. The concrete mix design was also reviewed.

White Middle School – Los Angeles Unified School District

Mr. Ryan performed construction and materials testing and inspection services for the ADA barrier removals. The project included testing and inspection of welding, batch plant inspection, aggregate evaluation, welding, grout, and concrete. The concrete mix design was also reviewed.

Coldwater Canyon Elementary School – Los Angeles Unified School District

Mr. Ryan performed construction and materials testing and inspection services for the ADA barrier removals. The project included testing and inspection of rebar and concrete. Pull tests were performed. A plan review was also performed.

Nature Explore Outdoor Classrooms – Los Angeles Unified School District

Mr. Ryan performed construction and materials testing and inspection services for the outdoor classrooms at the Wanda Mikes Early Education Center. The project included inspection and testing of concrete, welding, epoxy, aggregates, compaction, and batch plant. A plan review was also performed.

Debra Perez

Project Manager

Debra Perez has been a project manager for various geotechnical and environmental engineering projects for over 35 years for a variety of projects including construction of new above ground oil storage tanks for ARCO, City of Lynwood Senior Center, new natural gas pipelines and steam generating facilities for Southern California Edison, new school facilities, several freeway and road projects including new embankment fills, new bridges, pavement design and survey of existing road conditions, and new telecommunications facilities throughout California. Ms. Perez' experience includes hazardous waste investigations, supervision of the soils laboratory and preparing reports for compaction, preliminary soil investigation, distress investigation, and slope repair projects.

Education:

*Civil Engineering,
Graduate Studies
Program, California
State University, Long
Beach, California*

*B. S., Renewable
Natural Resources,
University of
California, Davis*

Specific Project Experience

Moor Field – Alhambra School District

Project Manager for a geotechnical investigation for the new special education center, baseball fields, light poles, appurtenances, and nine modular structures at Moor Field. The geotechnical investigations included foundation recommendations, bearing pressures, and recommendations for site preparation. Materials testing and inspection during demolition of the existing facility and during installation of utility trenches was also conducted

Perry Elementary School, Moffett Elementary School, Peterson Elementary School, Eader Elementary School– Engie Services

Project Manager for geotechnical investigations and construction materials testing and inspections for new solar energy facilities at 4 campuses of the Huntington Beach City School District. The facility included the installation of solar panel arrays placed throughout each school campus. Geotechnical and geologic reports were produced which were prepared in accordance with the requirements of the California Code of Regulations, Title 24 Part I.

Anderson Elementary School, Clegg Elementary School & Stacey Middle School, Demille Elementary School, District Office & Webber Elementary School, Eastwood Elementary School, Finley Elementary School, Fryberger Elementary School, Hayden Elementary School, Johnson Middle School, Land Elementary School, Meairs Elementary School, Schmitt Elementary School, Schroeder Elementary School, Sequoia Elementary School, Warner Elementary School, Willmore Elementary School – Engie Services and Westminster School District

Project Manager for geotechnical investigations for new solar energy facilities at 17 campuses of the Westminster School District. The facility included the installation of solar panel arrays placed throughout each school campus. Geotechnical and geologic reports were produced which were prepared in accordance with the requirements of the California Code of Regulations, Title 24 Part I. Recommendations were also provided for new fire lane access roads at several of the schools.

Omar Chamaa

Inspector and Project Engineer

Mr. Omar Chamaa has over 12 years of experience in the field and in laboratory testing and inspection of construction materials such as concrete, steel, anchors, soils and grading. Mr. Chamaa, a civil engineer, performed materials testing and inspections for multiple school, Caltrans and OCTA projects, which included bridges, roadway, retaining wall construction. Mr. Chamaa was responsible for construction material approval, such as: select fill, foundation excavation, slope cut, steel installation, and concrete mix design. He attended construction meeting to discuss material approval, deficiencies, modifications, as well as providing final observation report to the agency.

Specific Project Experience

Perry Elementary School, Moffett Elementary School, Peterson Elementary School, Eader Elementary School – Engie Energy Services

Inspector and Field Engineer for new solar energy facilities at 4 campuses of the Huntington Beach City School District. The facility included the installation of solar panel arrays placed throughout each school campus. Materials testing and inspections included a review of concrete mix designs, caisson inspections, foundation excavation inspections, rebar and concrete.

Luther Burbank Middle School – Los Angeles Unified School District

AESCO performed construction and materials testing and inspection services for upgrades to the existing lunchroom. The project included testing and inspection of concrete including slump, air content and compression, welding, pull tests, and batch plant inspection. The concrete mix design was also reviewed.

Courreges Elementary School, Cox Elementary School, Fulton Middle School, Gisler Elementary School, Masuda Middle School, Newland Elementary School, Oka Elementary School, Plavan Elementary School, Talbert Middle School, Tamura Elementary School-Chevron Energy Solutions

Field Engineer for geotechnical investigations for new solar energy facilities at 10 campuses of the Fountain Valley Unified School District. The facility included the installation of solar panel arrays placed throughout each school campus. Liquefaction analyses were performed for each site.

Education:

California State University, Long Beach. B.S. Civil Engineering, 2009.

Professional Certifications: *EIT*

*ICC Certified Concrete Inspector
CalTrans Certificate of Proficiency, Flexural Strength of PCC, Grading, Compressive Strength, Concrete Curing, Making Beams, Rapid Set Concrete, etc.
City of Newport Beach Registered Deputy Building Inspector
City of Garden Grove Registered Deputy Building Inspector
ACI Certified, Concrete Field Testing Technician
ACI Certified, Concrete Laboratory Testing Technician
City of Long Beach Registered Deputy building Inspector
City of Riverside Registered Deputy Inspector
Certified Radiation Safety and Nuclear*

Giovanni Mikhael

Inspector

Mr. Giovanni Mikhael, has over 15 years of experience in the field and in construction materials testing and inspection services for concrete, masonry, steel, anchors, soils, and grading. He is experienced in performing compaction testing, foundation inspections and subgrade inspection and testing.

Specific Project Experience

Belmont High School – Los Angeles Unified School District

Inspector for construction and materials testing and inspection services for a new classroom structure. The project included concrete mix design review and testing and inspection of concrete including slump, air content and compression, masonry, steel, welding, shop welding, field welding, steel joists and trusses and shop fabrication.

Cesar Chavez High School – Los Angeles Unified School District

Inspector for construction and materials testing and inspection services for upgrades to the existing auditorium. The project included testing and inspection of fireproofing and torque testing. Cost not available.

San Julian Bus Garage– Los Angeles Unified School District

Inspector for construction and materials testing and inspection services for a new bus repair building. The project included testing and inspection of concrete including slump, air content and compression, steel, rebar, high strength bolts, and batch plant inspection. The concrete mix design was also reviewed.

Manual Arts High School – Los Angeles Unified School District

Inspector for construction and materials testing and inspection services for a new restroom. The project included pull tests and high strength bolts.

Coliseum Elementary School – Los Angeles Unified School District

Inspector for construction and materials testing and inspection services for upgrades to existing classrooms. The project included testing and inspection of concrete including slump, air content and compression and batch plant inspection. The concrete mix design was also reviewed.

**Professional
Certifications:**
*County of Los Angeles
Certified Deputy
Inspector masonry
County of Los Angeles
Certified Deputy
Inspector concrete
ICC Structural
Masonry Certified
Inspector
ICC Reinforced
Concrete Certified
Inspector
ACI Certified,
Concrete Field Testing
Technician
Certified Radiation
Safety and Nuclear
Gage Operator
Caltrans Certificate of
Proficiency for: Air
Content, Freshly
Mixed Concrete,
Pressure, Density of
Fresh Concrete,
Flexural Strength of
PCC (Fabrication
only),
Ball Penetration in
Fresh Portland Cement
Concrete, Sampling
Freshly Mixed
Concrete, PCC
Cylinder Fabrication,
Slump of Fresh
Portland Cement
Concrete,
Temperature of
Freshly Mixed
Portland Cement*

Tariq Abdullah

Laboratory Manager

Mr. Tariq Abdullah has over 15 years of experience in the field and in laboratory testing of construction materials such as concrete, steel, asphalt, and soils. Tariq is experienced in conduction testing in accordance with ASTM, AASHTO and Caltrans. Mr. Abdullah is proficient in conducting sieve analysis, testing of asphalt concrete using Marshall Max, specific gravity (Rice), ignition method for extraction/gradation, flow stability and moisture content from microwave oven methods. He is adept in the use of Hveem method for stability and paraffin max density for specific gravity at 25 degrees Celsius. Tariq has also tested and fabricated concrete cylinders, mortars, prisms, masonry cores and grout samples to determine concrete strength through use of the compressive strength machine; and is proficient in the laboratory testing of soil including moisture content, plasticity index, expansion, particle size analysis, R-Value, direct shear, consolidation, etc. Mr. Abdullah is also experienced in the testing and inspection of soil and asphalt during grading.

Specific Project Experience

Courreges Elementary School, Cox Elementary School, Fulton Middle School, Gisler Elementary School, Masuda Middle School, Newland Elementary School, Oka Elementary School, Plavan Elementary School, Talbert Middle School, Tamura Elementary School-Chevron Energy Solutions

Laboratory Manager for geotechnical investigations for new solar energy facilities at 10 campuses of the Fountain Valley Unified School District. The facility included the installation of solar panel arrays placed throughout each school campus. Liquefaction analyses were performed for each site.

Anderson Elementary School, Clegg Elementary School & Stacey Middle School, Demille Elementary School, District Office & Webber Elementary School, Eastwood Elementary School, Finley Elementary School, Fryberger Elementary School, Hayden Elementary School, Johnson Middle School, Land Elementary School, Meairs Elementary School, Schmitt Elementary School, Schroeder Elementary School, Sequoia Elementary School, Warner Elementary School, Willmore Elementary School – Opterra Energy Services and Westminster School District

Laboratory Manager for geotechnical investigations for new solar energy facilities at 17 campuses of the Westminster School District. The facility included the installation of solar panel arrays placed throughout each school campus.

Education:

*Karachi University,
Pakistan. B.S*

*.Geologic Science,
1988.*

Professional Certifications:

*ACI Certified,
Concrete Field Testing
Technician*

*ACI Certified,
Concrete Laboratory
Testing Technician
Caltrans Certificate of
Proficiency for:*

*Calculations for
Gradings & SpG, Soil
& Aggregate Prep.,
Sieve Analysis of Fine
& coarse Aggregates,
Percentage of Crushed
Particles, Specific
Gravity & Absorption
of Fine and coarse
Aggregate Sand
Equivalent, Moisture
content, Cleanness of
Coarse Aggregate,
Durability Index, R-
Value Soils and Bases,
etc.*

*NICET Level II for
Asphalt, Concrete, Soil
Certified Radiation
Safety and Nuclear
Gage Operator*

Kay Alabed

Program Manager

Kay is the founder and president of AESCO Inc. She established the company in 1994 in Baton Rouge, Louisiana as a drilling company, which grew to a full-scale engineering firm. Kay serves as office manager and is in charge of the company's daily operations such as marketing, proposal preparation, project scheduling, client relationships and accounting. She has written numerous computer software programs for the organization and operation of the firm. Kay also has a medical degree in Dentistry and her medical knowledge and experience enables her to serve as the company's health and safety officer and has prepared AESCO's Health and Safety Manual, Quality Assurance Program, and oversees the operating procedures for AESCO's nuclear density gauges. She also schedules and budgets many of AESCO's projects and has been responsible for coordinating and scheduling a variety of projects such as: freeway, grade separations, commercial, dam sites, gasoline service stations, and solid waste sanitary landfill sites.

Education:

*B.S., Dental
Medicine, Damascus
University, 1990*

Professional Certifications:

*Hazardous Waste
Operations OSHA's
Standard Training
Certificate
Radiation Safety
officer and Nuclear
Gauge Certified*

Specific Project Experience

Excelsior Education Center – Victor Valley Union High School District

Program Manager for the construction and materials testing and inspection services for a new education center in Victorville. The project consisted of several precast concrete structures (Prefast) and conventional structures as well as associated improvements. Testing and inspection was conducted both at the site and at the precast plant in Corcoran, California and at the steel fabrication plant in Houston, Texas. Testing and inspection also consisted of the site grading, foundations, rebar, asphaltic concrete, and base and sub-base material.

Ramon Cortines High School – Los Angeles Unified School District

Program Manager for construction and materials testing and inspection services for the career technical center. The project included concrete mix design review, testing and inspection of concrete including slump, air content and compression, formwork, reinforcing steel, post-installed anchors, structural steel, high strength bolts, welding at site and in shop, steel joists and trusses and shop fabrication.

Coliseum Elementary School – Los Angeles Unified School District

Program Manager for construction and materials testing and inspection services for upgrades to existing classrooms. The project included testing and inspection of concrete including slump, air content and compression and batch plant inspection. The concrete mix design was also reviewed.

Lampson Elementary School – Orange Unified School District

Program Manager for a geotechnical investigation for a new two-story structure, a lunch shelter, and two separate additions to an existing structure.

Steven Crumb

Laboratory Manager

Mr. Steven Crumb has over 11 years of experience in laboratory testing and materials testing such as concrete, steel, bolts, CMU walls, soils and aggregate. He is experienced in performing materials and geotechnical testing. Mr. Crumb supervises the quality control for laboratory operations and audits, has implemented new laboratory testing including creation of fixtures, protocols and reporting, and trained staff on concrete, aggregate, soils, steel, rebar and cement products.

Specific Project Experience

Los Angeles Regional Interoperative Communications Systems-Los Angeles County

Laboratory Manager: Mr. Crumb is the Laboratory Manager during construction of the new emergency communications system for Los Angeles County. The system is composed of over 100 monopoles, three-legged and four-legged self-supported towers, support slabs for equipment and generators, and rooftop antennae placed throughout the County. The system will cover 88 cities and the unincorporated areas of Los Angeles County and will cover 4,084 square miles. The towers range in height from 50 feet to over 180 feet. The purpose of the system is to provide improved radio and broadband communication for public safety providers. Mr. Crumb is supervising the materials testing which includes concrete, rebar, soil, masonry, epoxy, structural steel, asphalt, etc.

Metrolink Parking Structure – Orange

Laboratory Manager: Mr. Crumb was the Laboratory Manager for the new Metrolink parking structure at the Orange Transportation Center. The new structure is 5 stories high with 2 subterranean levels and provides parking for 611 vehicles. Mr. Crumb supervised the materials testing which included reinforced concrete, rebar, mortar, soils, epoxy dowels, prestressed concrete, grout.

Widening of the 405 Freeway, Euclid St. to I-605-Orange County

Laboratory Manager: Mr. Crumb is the Laboratory Manager for the materials testing for the widening of the 405 Freeway for a total of 16 miles for Caltrans and OCTA. walls, bridges, etc. Laboratory testing included soils, concrete, rebar, aggregate, rebar, asphaltic concrete, etc.

On-Call Construction Inspection and Materials Testing-LAUDS-Los Angeles

Laboratory Manager: Mr. Crumb is the Laboratory Manager for the materials testing for various projects for Los Angeles Unified School District. The materials testing included asphaltic concrete, concrete, reinforcing steel, masonry, structural steel, high strength bolts, soils, etc.

Education:

*B.S. Civil Engineering (in progress)
California State University,
Long Beach*

*Civil Engineering
Cerritos College*

Professional Certifications:

ACI

*Concrete Laboratory
Testing
Concrete Field Testing
Concrete Strength*

Caltrans

*Calculations
Grading
Agg. Sampling
Sample Prep. Soil and Agg.
Sieve Analysis
Percent Crushed Particles
Relative Compaction
Sand Equivalent
Moisture Content
Cleanness
Durability
Compressive Strength
Flexural Strength
Flexural Strength-PCC
Sampling Fresh Concrete*

AASHTO

*Sieve Analysis-Fine
Sieve Analysis-Coarse and
Fine
Reducing Samples of HMA
Reducing Samples of Agg.
Sand Equivalent
Evaporable Moisture
Content
Moisture Content-HMA
Percent*

Dustin Sexton

Special Inspector

Mr. Dustin Sexton has over 25 years of experience as a welding inspector for multiple projects throughout California. His experience includes school projects, lift stations and telecommunications facilities.

Specific Project Experience

MacClay Wellness Center, Charles MacClay Middle School, Pacoima

Inspector: Mr. Sexton was the inspector for the new single-story steel frame building with concrete foundations. Mr. Sexton performed concrete inspection and testing and inspections at the batch plant.

BHS, Los Angeles Interoperative Regional Communications Systems-South LaBrea Avenue, Los Angeles County

Inspector: Mr. Sexton was the inspector during construction of a 120-foot high three-legged tower, and concrete support slabs for equipment cabinets, a generator and fuel tank which was part of the new emergency communications system for Los Angeles County. Mr. Sexton performed inspections and materials testing for grading, soils, foundations, concrete, and steel fabrication.

San Lorenzo Lift Station-Santa Ana

Inspector: Mr. Sexton was the inspector during construction of the new lift station for the City of Santa Ana. Mr. Sexton performed inspections and materials testing for grading, soils, aggregate sampling, and batch plant inspections.

UCLA Factor Building, Los Angeles Interoperative Regional Communications Systems-Tiverton Avenue, Los Angeles County

Inspector: Mr. Sexton was the inspector during placement of new telecommunications antennae mounted on the existing structure and a new equipment shelter on a concrete support slab which was part of the new emergency communications system for Los Angeles County. Mr. Sexton performed inspections and materials testing for welding, concrete, bolts, and anchors.

Second Street Elementary School Upgrades-Los Angeles

Inspector: Mr. Sexton was the inspector during upgrades of the existing school campus. Mr. Sexton performed inspections of the rebar during construction.

Education:

*AWS/CWI Certification
Riverside Community College*

Professional Certifications:

*AWS Welding Inspector
City of Long Beach Structural
Steel and Welding
County of Los Angeles
Structural Steel and
Concrete
ICC Master of Structural
Inspection
ICC Structural Steel and
Concrete
ICC Structural Welding
ICC Structural Steel and
Bolting
ICC Spray-Applied
Fireproofing
CWI Welding
City of Los Angeles Welding*

Daniel Jimenez, Jr.

Lead Inspector

Mr. Jimenez is a special inspector with the ability to coordinate multiple tasks and inspections at the same time. He has many years of experience with on-site inspecting, having over 18 years of experience. He has worked as a Senior Inspector coordinating inspections on major projects and specializes in welding inspection and steel fabrication for structural elements, high pressure vessels and piping. Mr. Jimenez is also certified level II Ultrasound Testing and Magnetic Particle Level II for full penetration welding.

Specific Project Experience

Widening of the I-405 Freeway-Orange County

Lead Inspector: Mr. Jimenez is the senior welding inspector during widening of the I-405 Freeway between Euclid Street and the I-605 Freeway, a total of 16 miles, for OCTA and Caltrans. The widening project includes construction of new lanes on the southbound and northbound sides, retaining walls, bridges, etc. Performing all the welding inspection for the underground water ties and rerouting and for the water lines in the cities of Huntington Beach, Westminster, Fountain Valley, and Costa Mesa.

University of California-Irvine

Lead Inspector: Mr. Jimenez was the senior welding inspector during underground pipe replacements on the Irvine Campus. The pipe installation included new chilled and hot water lines for numerous UCI buildings such as the Student Center, Cogent, Art, Stem Cell, etc. The pipe diameters ranged from 8 inches to 36 inches in diameter and were welded with Butt Welds 60-degree single vee open root. Nondestructive testing was also performed for all hot high-pressure pipes.

Lane Field-San Diego

Lead Inspector: Mr. Jimenez was the lead inspector during construction of a new 22-story hotel resort and retail center as part of the redevelopment of Lane Field. Performed inspection of welding, bolting, reinforced concrete, and fireproofing. Mr. Jimenez has also performed nondestructive testing for this project.

University Town Center Westfield Mall-La Jolla

Lead Inspector: Mr. Jimenez was the lead inspector during construction of a remodeled shopping mall, anew trolley line, and new office space and parking structure. Mr. Jimenez was responsible for coordinating and assigning tasks, elevating issues, and communicating with contractor. Performed inspection of welding, reinforced concrete, masonry, bolting, fireproofing and also performed nondestructive testing.

Certifications:

*ACI – Field Technician;
ICC Reinforced
Concrete, Structural
Welding, Master of
Special Inspection,
Structural Steel &
Welding, Structural Steel
and Bolting, Spray
Applied Fire Proofing,
Structural Masonry;
AWS-CWI; NDT
Ultrasound Testing Level
II, Magnetic Particle
Level II, Ultrasonic
Phased Array Level II,
San Diego City Cert
Concrete/Masonry/Weldi
ng/Fireproofing; CT
504, 518, 539, 540, 543,
556, 557
OSHA 10hr
Fall protection
Scaffold Hazard
Awareness
Confined Spaces*

Christopher J. Sobek

Inspector

Ten years' experience on major freeways and five years' experience on Caltrans projects.

Mr. Christopher J. Sobek has over 17 years of experience for a variety of Caltrans and transportation projects.

Specific Project Experience

I-710 Gerald Desmond Bridge Replacement, Port of Long Beach, Caltrans, DOT

Inspector: Mr. Sobek was the Inspector for the replacement of the existing bridge on the I-170 from the Inner Harbor to Terminal Island. The project started in 2013 and is expected to be completed in 2018.

I-605/I1-10 Connector, Caltrans, El Monte

Inspector: Mr. Sobek was the Inspector for flyover connector from southbound I-605 to the eastbound I-10 for Caltrans. The proposed fly-over direct connector (southbound I-605 to eastbound I-10) would replace the existing shared at-grade connector. The project took 2 years to complete.

Alondra Park Pool/Skate Park, Los Angeles County

Inspector: Mr. Sobek was the Inspector for the construction of the Pool and Skate Park at Alondra Park near Lawndale. The new pool is 25 meters by 25 meters in plan dimension and the skate park is 14,000 square feet.

I-405 Sepulveda Pass Widening, Caltrans, Los Angeles

Inspector: Mr. Sobek was the Inspector for the addition of a 10-mile HOV lane and other improvements including ramps, bridges, and soundwalls on the San Diego Freeway (I-405) and widening lanes from the Santa Monica Freeway (I-10) to the Ventura Freeway (U.S. 101). The widening project included the reconstruction of a 3 bridges, 18 miles of retaining walls and soundwalls, and the realignment of 20 on and off-ramps. The project took 5 years to complete.

Education:

*Coastline
Community and
Orange Coast
College
Certificates:
Building Inspection,
Concrete/Masonry
Blueprint Reading,
Wood/Steel
Framing, Fire &
Life Safety, Welding
Technology,
Electrical,
Plumbing
Orange County
Inspector*

**Professional
Certifications:**
*ICBO/ICC-
Reinforced
Concrete, Prestress
Concrete, Structural
Steel/Welding,
Structural Mas,
Fireproofing,
Building Inspection
and Plumbing
ACI Laboratory
Testing-Grade I and
Grade II,
Transportation
Radiation Safety
Nuclear Gage
Competent Person
Training
Post-Tensioning
Institute in
Unbonded Tendons
ACI, Mix Design
Technology
DSA Class I
OSHPD Class A
AWS-CWI
NICET Level II
Highway
Construction
Materials
30-hour Hazardous
Waste*

APPENDIX B

Forms and Attachments

ATTACHMENT B

CERTIFICATION – REQUEST FOR QUALIFICATIONS

I certify that I have read and received a complete set of documents regarding the attached **Request for Qualifications (RFQ) # 111-21 – SPECIAL INSPECTION SERVICES** and the instructions for submitting an RFQ. I further certify that I must submit three (3) proposal copies, plus a complete copy on flash drive, of the firm's Proposal in response to this request and that I am authorized to commit the firm to the proposal submitted.

_____ Signature President	_____ Kay Alabed
_____ Title 17782 Georgetown Lane, Huntington Beach, CA 92647	_____ Typed or Printed Name AESCO
_____ Address 714-375-3830	_____ Company 17782 Georgetown Lane, H.B., CA 92647
_____ Telephone 5-18-21	_____ Address 714-375-3831
_____ Date	_____ Fax

If you are bidding as a corporation,
please provide your corporate seal
here:

AESCO Corporate Statement of
Information is attached.



California Secretary of State Electronic Filing

FILED

Secretary of State
State of California

Corporation - Statement of Information

Entity Name: AESCO, INC.

Entity (File) Number: C2222219

File Date: 04/30/2021

Entity Type: Corporation

Jurisdiction: CALIFORNIA

Document ID: GS93050

Detailed Filing Information

1. Entity Name: AESCO, INC.
2. Business Addresses:
 - a. Street Address of Principal Office in California: 17782 Georgetown Ln
Huntington Beach , California 92647
United States of America
 - b. Mailing Address: 17782 Georgetown Ln
Huntington Beach , California 92647
United States of America
 - c. Street Address of Principal Executive Office: 17782 Georgetown Ln
Huntington Beach , California 92647
United States of America
3. Officers:
 - a. Chief Executive Officer: Kay Alabed
17782 Georgetown Ln
Huntington Beach , California 92647
United States of America
 - b. Secretary: Adam Chamaa
17782 Georgetown Ln
Huntington Beach , California 92647
United States of America

Document ID: GS93050



California Secretary of State

Electronic Filing

Officers (cont'd):

c. Chief Financial Officer:

Adam Chamaa
17782 Georgetown Ln
Huntington Beach , California 92647
United States of America

4. Director:

Adam Chamaa
17782 Georgetown Ln
Huntington Beach , California 92647
United States of America

Number of Vacancies on the Board of
Directors:

0

5. Agent for Service of Process:

Adam Chamaa
17782 Georgetown Lane
Huntington Beach , California 92647
United States of America

6. Type of Business:

Engineering

By signing this document, I certify that the information is true and correct and that I am authorized by California law to sign.

Electronic Signature: Kay Alabed

Use bizfile.sos.ca.gov for online filings, searches, business records, and resources.

Document ID: GS93050



California Secretary of State Electronic Filing

Corporation - Attachment to Statement of Information

List of Additional Directors:

1. Kay Alabed
17782 Georgetown Ln
Huntington Beach , California 92647
United States of America
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

ATTACHMENT C

STATEMENT OF EXPERIENCE AND FINANCIAL CONDITION

Company Name: AESCO

(Check One): ☒ Corporation ☐ Partnership ☐ Sole Proprietorship

Address: 17782 Georgetown Lane
Huntington Beach, CA 92647

Telephone/FAX#: 714-375-3830/714-375-3831

Date and State of Formation/Incorporation: CA 11-18-1993

Is the company authorized to do business in California? Yes

Basis of Authorization: ☒ California Corporation ☐ California Business License
☒ California Engineering License ☐ Other (specify)

Identify the California office to be used for this contract if organization is located/headquartered outside of California:

Address: _____

FINANCIAL INFORMATION

State the company's California and total revenues for 2017, 2018, 2019:

	<u>2017</u>	<u>2018</u>	<u>2019</u>
California:	<u>\$2,592,045</u>	<u>\$4,683,229</u>	<u>\$8.5M (est.)</u>
Total:	<u>\$2,592,045</u>	<u>\$4,683,229</u>	<u>\$8.5M (est.)</u>

Identify the largest project, in dollars, which your company has initiated or completed within the past five (5) years:

Widening of the SR-405, Orange County, \$1.9B (est.)

ATTACHMENT D

ANSWER THE FOLLOWING QUESTIONS

1. Is the company or its owners connected with other companies as a subsidiary, parent, affiliate, or holding company? ☐ Yes ☒ No If yes, explain on a separate, signed sheet.
2. Does the company have an ongoing relationship or affiliation with an equipment manufacturer? ☐ Yes ☒ No If yes, explain on a separate, signed sheet.
3. Has the company (or any owner) ever defaulted on a contract forcing a surety to suffer a loss? ☐ Yes ☒ No If yes, explain on a separate, signed sheet.
4. In the past five (5) years, has the company had any project with disputed amounts more than \$50,000 or a project which was terminated by the owner, owner's representative or other contracting party and which required completion by another party? ☐ Yes ☒ No
If yes, explain on a separate, signed sheet. State the project name, location, owner/contact person, telephone number, contract value, disputed amount, date and reason for termination/dispute.
5. Has the company, an affiliate company, or any owner ever declared bankruptcy or been in receivership? ☐ Yes ☒ No If yes, explain on a separate, signed sheet.
6. Has the company ever had an arbitration on contracts in the past five (5) years? ☐ Yes ☒ No If yes, explain on a separate, signed sheet. State the project name, location, owner/contact person, telephone number, contract value, disputed amount, a brief description and final resolution.
7. Does the company have any outstanding liens or stop notices for labor and/or materials filed against any contracts which have been done or are being done by the company? ☐ Yes ☒ No If yes, explain on a separate, signed sheet. State the project name, location, owner/contact person, telephone number, amount of dispute, and brief description of the situation.

THE UNDERSIGNED DECLARES UNDER PENALTY OF PERJURY THAT ALL OF THE INFORMATION SUBMITTED WITH THIS PROPOSAL IS TRUE AND CORRECT.

SIGNATURE:

NAME:

Kay Alabed

TITLE:

President

ATTACHMENT F

NEWPORT MESA UNIFIED SCHOOL DISTRICT

**REQUEST FOR PROPOSALS AND STATEMENT OF QUALIFICATIONS FOR
SPECIAL INSPECTION SERVICES**

STATEMENT OF NON-CONFLICT OF INTEREST

The undersigned, on behalf of the consulting firm set forth below (the “Consultant”), does hereby certify and warrant that, if selected, the Consultant while performing the consulting services required by the Request for Qualification, shall do so as an independent contractor and not as an officer, agent or employee of the Newport Mesa Unified School District (“the District”). The undersigned further certifies and warrants that: (1) no officer or agent of the Consultant has been an employee, officer or agent of the District within the past two (2) years; (2) the Consultant has not been a source of income to pay any employee or officer of the District within the past twelve (12) months; (3) no officer, employee or agent of the District has exercised any executive, supervisory or other similar functions in connection with the Consultant Agreement or shall become directly or indirectly interested financially in the Consultant Agreement; and (4) the Consultant shall receive no compensation and shall repay the District for any compensation received by the Consultant under the Consultant Agreement should the Consultant aid, abet or knowingly participate in violation of this statement.

Signature	_____
Printed Name	Kay Alabed _____
Title	President _____
Date	5-19-21 _____

ATTACHMENT G

FIRM PROPOSAL / OFFER FORM

This Proposal/Offer Form must be duly executed and submitted with any proposal/offer to NMUSD.

The Offeror hereby agrees that its proposal/offer is subject to all RFQ # 111-21 provisions, terms and conditions, attachments, exhibits, amendments and other applicable materials which are attached or incorporated by reference. Offeror hereby agrees to promptly enter into an agreement in substantial accordance with such RFQ provisions, terms and conditions, and secure a performance bond within five (5) days of the Districts intent to award the contract.

The Offeror hereby agrees that its attached proposal/offer of which this is part, is a firm and irrevocable offer and valid for acceptance by NMUSD for the period sixty (60) days after closing. The Offeror hereby agrees that if its proposal/offer is accepted by NMUSD that it shall provide all of the services in accordance with the RFQ, as it may be amended.

Name of Person Duly Authorized to Execute this Proposal/Offer: Kay Alabed

Duly Authorized Signature: _____

Title: President

Date of this Proposal/Offer: 5-19-21

Offeror Name: AESCO

Offeror Address: 17782 Georgetown Lane, Huntington Beach, CA 92647

Offeror Telephone: 714-375-3830

Offeror Email: kay.alabed@aescotech.com

ATTACHMENT H

NEWPORT MESA UNIFIED
SCHOOL DISTRICT
2985 Bear St., Bldg. A
Costa Mesa, California 92626
(714) 424-5063

DSA Inspection Services
RFQ: # 124-21

NONCOLLUSION
DECLARATION
Public Contract Code § 7106

TO BE EXECUTED BY SUBMITTER AND SUBMITTED WITH RFQ

The undersigned declares:

I am the President **[PRINT YOUR TITLE]**

of AESCO **[PRINT FIRM NAME]**,

The party making the foregoing Contract.

The RFQ is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The RFQ is genuine and not collusive or sham. The submitter has not directly or indirectly induced or solicited any other submitter to put in a false or sham RFQ. The submitter has not directly or indirectly colluded, conspired, connived, or agreed with any submitter or anyone else to put in a sham RFQ, or to refrain from submitting. The submitter has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the RFQ price of the submitter or any other submitter, or to fix any overhead, profit, or cost element of the RFQ price, or of that of any other submitter. All statements contained in the RFQ are true. The submitter has not, directly or indirectly, submitted his or her RFQ price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, RFQ depository, or to any member or agent thereof, to effectuate a collusive or sham RFQ, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a submitter 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 submitter.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on the following date:

Date: 5-19-21

Proper Name of Submitter: AESCO

City, State: Huntington Beach, CA

Signature: _____

Print Name: Kay Alabed

Title: President

APPENDIX C

Hourly Fee Schedule



AESCO Standard Fees

<u>Professional Staffing</u>		<u>Cost</u>
		(per hour unless otherwise noted)
P100	Principal Professional Engineer	\$ 200
P101	Senior Geotechnical Engineer.....	\$ 185
P102	Project Engineer / Manager.....	\$ 160
P103	Geologist	\$ 170
P104	Quality Control Manager	\$ 160
P105	Senior Staff Engineer	\$ 155
P116	Health and Safety Officer	\$ 185
P115	LA City Deputy Methane Specialist	\$ 135
P107	Laboratory Manager	\$ 120
P108	Laboratory Technician.....	\$ 105
P109	CADD Operator/Draftsperson.....	\$ 85
P110	Data Processing, Technical Editing or Reproduction.....	\$ 85
P111	Expert Witness Testimony.....	\$ 420
P112	Certified Payroll, per hr.	\$ 155
P113	Senior Staff Environmental Engineer	\$ 155
P114	Senior Environmental Engineer	\$ 185

<u>Field Technician</u>		<u>Cost (per hour)</u>
T150	Special Inspector (Reinforced Concrete, and Masonry)	\$ 115
T151	Special Inspector (Structural Steel, Drilled-In-Anchors	\$ 115
T152	Special Inspector for Welding	\$ 115
T153	DSA Class I Inspector	\$ 135
T154	DSA Class II Inspector	\$ 125
T155	Special Inspector for Fireproofing.....	\$ 115
T156	Special Inspector Load Tests or Torque/Bolt)	\$ 115
T157	Special Inspector Rebar Sample.....	\$ 115
T158	Special Inspector Pachometer	\$ 115
T159	Senior Asphalt Placement Technician	\$ 115
T160	Asphalt Placement Technician.....	\$ 115
T161	Asphalt/Concrete Plant Technician.....	\$ 115
T162	ACI/Caltrans Technician	\$ 115
T163	Senior Soils Technician	\$ 115
T164	Senior Grading Inspector.....	\$ 120
T165	Staff Grading Inspector.....	\$ 115
T166	Soils Technician.....	\$ 115
T167	Pile Driving Inspector	\$ 125
T168	AWS Certified Welding Inspector.....	\$ 115



T169	NACE Coating Inspector.....	\$ 135
T170	Field Coring Technician.....	\$ 115
T171	Nondestructive Examination Technician, UT, MT, LP.....	\$ 120
T172	Structural Steel Fabrication Inspector (AWS)	\$ 120
T177	Senior Environmental Technician	\$ 125
T178	Environmental Technician	\$ 120
T179	Building Inspector	\$ 130

	<u>Fabrication Shop Inspections</u>	<u>Cost (per hour)</u>
T173	Structural Steel Inspector (ICC/CBO)	\$ 115
T174	Structural Steel Inspector (AWS)	\$ 115
T175	Batch Plant Quality Control Technician/Inspector	\$ 115
T176	Reinforced Concrete, Prestressed Inspector	\$ 115

Regular Work Hours

First 8 hours, Monday through Friday, between 5:00 a.m. to 5:00 p.m.

Direct Project expenses outside services will be charged at Cost + 15%.

Time and One-Half

Any increment past first 8 hours through 12 hours, Monday through Friday

First 12 hours on Saturday

Shift between 3:00 a.m. and 5:00 a.m.

Double Time

Any hours past 12 hours Monday through Saturday, all day Sunday and Federal Holidays

	<u>Field Analysis</u>	<u>Cost</u> (per hour unless otherwise noted)
G200	Soil Boring with Hollow Stem Auger Drilling Portal to Portal, per hour	\$ 395
G201	Backfill Boreholes with Bentonite, per foot	\$ 25
G202	Backfill Boreholes with Grout, per foot	\$ 35
G203	Drumming and Disposal of Clean Cuttings, per drum	\$ 390
G204	Fire Water Buffalo, per day	\$ 550
G205	Support Truck, per day	\$ 150
G206	Water Truck, per day	\$ 450
G207	Mobilization and Demobilization for Rock coring, each	\$ 1150
G208	Rock Coring, per hour	\$ 455
G209	Decontamination of Vehicle and Equipment, each.....	\$ 300
G210	Field Resistivity, up to 3 arrays, maximum distance of 40 ft., each	\$ 1,800
G211	Environmental Soil Boring with Hollow Stem Auger Portal to Portal, per hour	\$ 425



G212	Environmental Soil Boring with Direct Push Portal to Portal, per hour	\$ 380
G213	Environmental Groundwater Sampling with Grundfos, Portal to Portal, per hr ...	\$ 275
G214	Environmental Analysis of soil for waste classification, per sample	\$ by quote
G215	Environmental Analysis of liquid for waste classification, per sample	\$ by quote
G216	Ground Resistance Tester (Four Point Method), plus travel	\$ 1,700
G217	Potholing, two-man crew, per hour	\$ 575

Mix Design Review

Cost

D250	Review of Concrete Mix Design	\$ 160
D251	Review of Grout Mix Design	\$ 160
D252	Review of Mortar Mix Design	\$ 160
D253	Review of Asphalt Mix Design.....	\$ 200

Sample Pick-Up/Hold

Cost

All hold samples are charged at the same rate as the testing rate

U303	Technician for Specimen pick up, minimum 2 hours, per hour	\$ 105
U304	Vehicle, per trip (Up to 100 miles)	\$ 70

Field Equipment Charges

Cost

E350	Brass Mold, each.....	\$ 20
E351	Concrete Air Meter, per day	\$ 50
E352	Concrete Unit Weight (Scale, Bucket, Rod and Mallet), per day.....	\$ 30
E353	Field Vehicle Usage, per trip (Up to 100 miles).....	\$ 70
E354	Concrete/Asphalt Coring Equipment rental per hr, min 4 hrs and 8 hrs after.....	\$ 190
E355	Fireproofing Adhesion/Cohesion, per test	\$ 20
E356	Hand Auger Equipment, per day.....	\$ 125
E357	Level D Personal Protective Equipment (PPE), per person per day	\$ 40
E358	Liquid Penetrating Consumables, per day	\$ 30
E359	Magnetic Particle Equipment and Consumables, per day	\$ 40
E360	Ultrasonic Equipment and Consumables, per day	\$ 65
E361	Nuclear Density Gauge Usage, per hour.....	\$ 18
E362	Compaction Test, per location/per test	\$ 20
E363	Portable Concrete Laboratory-not including Technicians, per day.....	\$ by quote
E364	Pachometer (Rebar Locator), per day	\$ 55
E365	Environmental PID Usage, per day.....	\$ 190
E366	Pull Test Equipment, per day.....	\$ 70
E367	Sand Cone Test Kit (Scale, Burner, Sand Cone Apparatus), per day.....	\$ 170
E368	Schmidt Hammer, per day.....	\$ 50
E369	Torque Wrench, Small, per day	\$ 20
E370	Torque Wrench, Large, per day	\$ 35
E371	Torque Multiplier (Skidmore), per day.....	\$ 90
E372	Miscellaneous Equipment Charge.....	\$ by quote
E373	Vapor Emission Kit, each	\$ 55



E374	Field Resistivity Meter, per day	\$ 225
E375	Water Level Meter, per day	\$ 75
E376	Environmental pH/Turbidity/Conductivity/Temp Meter, per day	\$ 105
E377	Environmental FID Usage, per day	\$ 105
E378	Environmental groundwater sampling pump per day	\$ 205
E379	XRF Lead Analyzer, per day	\$ 125
E380	Relative Humidity Probe, per day	\$ 70

Schedule of Fees for Laboratory Services

	<u>Concrete Tests</u>	<u>Cost (per test)</u>
C400	6" x 12" Cylinder: Compression Strength (ASTM C39)	\$ 35
C401	6" x 6" x 18" Flexural Beams Not Exceeding Referenced Size (ASTM C78, C293, or CTM 523)	\$ 80
C402	Cylinders: Splitting Tensile Strength (ASTM C496)	\$ 80
C403	Core Compression (ASTM C39)	\$ 50
C404	Coring of Test Panels in Lab, each	\$ 25
C405	Diamond Sawing of Cores or Cylinders (ASTM C642)	\$ 25
C406	Density, Absorption, and Voids in Hardened Concrete (ASTM C642)	\$ 300
C407	Modulus of Elasticity Static Test (ASTM C469)	\$ 125
C408	Unit Weight Including Lightweight Concrete	\$ 65
C409	Drying Shrinkage Up to 28 Days: Three 3" x 3" or 4" x 4" Bars, Five Readings up to 28 Dry Days (ASTM C157)	\$ 375
C410	Additional Reading, Per Set of Three Bars	\$ 45
C411	Storage Over Ninety (90) Days, Per Set of Three Bars, Per Month	\$ 35
C435	Coefficient of Thermal Expansion of Concrete (CRD 39, AASHTO T336)	\$ 800
C436	Compression Test (ASTM C495 and C472)	\$ 45
C437	Air Dry Density (ASTM C472)	\$ 35
C438	Oven Dry Density (ASTM C495)	\$ 60
C439	Sample Trimming in the lab, up 6" diameter	\$ 20
	 <u>Concrete Block, ASTM C140</u>	 <u>Cost (per test)</u>
C412	Compression (3 Required Per ASTM), each	\$ 60
C413	Absorption/Moisture Content/Oven Dry Density (3 Required per ASTM), each ...	\$ 90
C414	Linear/Volumetric Shrinkage (ASTM C426)	\$ 100
C415	Web and Face Shell Measurements	\$ 45
C416	Tension Test	\$ 170
C417	Core Compression	\$ 55
C418	Shear Test of Masonry Cores: 2 Faces	\$ 90
C419	Efflorescence Test (3 Required), each	\$ 55



	<u>Laboratory Trial Batch: Cement, Concrete, Grout and Mortar</u>	<u>Cost (per test)</u>
L450	All trial batch for cement, concrete, grout, mortar, etc	\$ by quote

	<u>Brick Masonry Tests</u>	<u>Cost (per test)</u>
M500	Modulus of Rupture: Flexural (5 Required Per ASTM), each	\$ 55
M501	Compression Strength (3 Required Per ASTM), each	\$ 50
M502	Absorption: 5 Hour or 24 Hour (5 Required), each	\$ 50
M503	Absorption (Boil): 1, 2, or 5 Hours (5 Required), each	\$ 80
M504	Initial Rate of Absorption (5 Required), each	\$ 40
M505	Efflorescence (5 Required), each	\$ 85
M506	Core: Compression, each	\$ 70
M507	Shear Test on Brick Core: 2 Faces, each	\$ 90

Masonry Prisms

	<u>Cost (per test)</u>
M508	Compression Test: Composite Masonry Prisms Up To 8" x 16" \$ 200
M509	Compression Test: Composite Masonry Prisms Larger Than 8" x 16" \$ 290
M510	Masonry: Cutting of Cubes or Prisms \$ 70

	<u>Mortar and Grout</u>	<u>Cost (per test)</u>
M511	Compression: 2" x 4" Mortar Cylinders	\$ 45
M512	Compression: 3" x 3" x 6" Grout Prisms, Includes Trimming	\$ 60
M513	Compression: 2" Cubes (ASTM C109)	\$ 60
M514	Compression: Cores (ASTM C42)	\$ 60
M515	Mortar Expansion (ASTM C806)	\$ 300

	<u>Fireproofing Tests</u>	<u>Cost (per test)</u>
F550	Oven Dry Density	\$ 75
F551	Adhesion/Cohesions Testing, per hour, 4 hour minimum	\$ 120

	<u>Guniting and Shotcrete Tests</u>	<u>Cost (per test)</u>
C420	Core Compression Including Trimming (ASTM C42)	\$ 60
C421	Compression 6" x 12" Cylinders	\$ 35
C422	Compression: Cubes	\$ 40

	<u>Soils and Aggregate Tests</u>	<u>Cost (per test)</u>
S600	Atterberg Limits/Plasticity Index (ASTM D4318)	\$ 140
S601	Chloride and Sulfate Content (CTM 417, CTM 422)	\$ 145
S602	Consolidation, Full Cycle (ASTM 2435, CTM 219)	\$ 275
S603	Cleanliness Value: 1" x #4 (CTM 227)	\$ 185
S604	Cleanliness Value: 2.5" x 1.5" or 1.5" x .75" (CTM 227)	\$ 295



S605	Corrosivity Series: Sulfate, Cl, pH (CTM 643 and 417).....	\$ 200
S606	Lab Resistivity	\$ 125
S607	Direct Shear Test (ASTM D3080).....	\$ 255
S608	Direct Shear Test, per point.....	\$ 110
S609	Direct Shear Test Sample Remolding (ASTM D3080)	\$ 45
S610	Durability Index Fine Aggregate.....	\$ 160
S611	Expansion Index (ASTM D4829, UBC 18-2).....	\$ 155
S612	Durability Index: Coarse Aggregate.....	\$ 160
S613	Maximum Density: Methods A/B/C (ASTM D1557 or D698, CTM 216).....	\$ 185
S614	Maximum Density: Check Point abrasion (ASTM D1557).....	\$ 75
S615	Maximum Density: AASHTO C (Modified) (AASHTO T-180).....	\$ 200
S616	Moisture Density Rock Correction	\$ 160
S617	Moisture Content (ASTM D2216, CTM 226)	\$ 25
S618	Density: Ring Sample (ASTM D2937).....	\$ 30
S619	Density: Shelby Tube Sample (ASTM D2937).....	\$ 55
S620	Organic Impurities (ASTM C40).....	\$ 95
S621	Falling Head Permeability (ASTM D2434).....	\$ 250
S622	R-Value: Soil (ASTM 2844)	\$ 355
S623	R-Value: Aggregate Base (ASTM D2844)	\$ 355
S624	Sand Equivalent (ASTM D2419, CTM 217).....	\$ 130
S625	Soil Classification (ASTM D2487).....	\$ 35
S626	Sieve #200 Wash Only (ASTM D1140).....	\$ 95
S627	Sieve with Hydrometer: Sand to Clay (ASTM D422).....	\$ 290
S628	Sieve Analysis including Wash (ASTM C136).....	\$ 170
S629	Sieve Analysis Without Wash.....	\$ 120
S630	Specific Gravity and Absorption: Coarse (ASTM C127, CTM 202)	\$ 95
S631	Specific Gravity and Absorption: Fine (ASTM C128, CTM 207).....	\$ 160
S632	Swell/Settlement Potential: One Dimensional (ASTM D4546)	\$ 165
S633	Unit Weight Coarse Aggregate	\$ 80
S634	Unit Weight Fine Aggregate.....	\$ 80
S635	Voids in Aggregate (ASTM C29)	\$ 90
S636	Unconfined Compression (ASTM D2166, CTM 221).....	\$ 100
S637	LA Rattler	\$ 195
S638	pH of soil.....	\$ 25
S639	Pocket Penetration Test	\$ 10

Asphalt Concrete Tests

Cost (per test)

A650	Asphalt Core Density.....	\$ 60
A651	Extraction % AC by Ignition Oven (CTM 382)	\$ 175
A652	Gradation on Extracted Asph (ASTM D6507 and D5444, CTM 202, and CTM 382)	\$ 100
A653	Moisture Content (CTM 370).....	\$ 75
A654	Maximum Theoretical Specific Gravity (RICE) (ASTM D2041, CTM 309)	\$ 160
A655	Specific Gravity and Absorption: Coarse (ASTM C127, CTM 206)	\$ 90



A656	Specific Gravity and Absorption: Fine (ASTM C128, CTM 207)	\$ 160
A657	Sieve Analysis (ASTM D5444 and C136)	\$ 95
A658	Sieve Analysis with Wash (ASTM D5444)	\$ 140
A659	Sand Equivalent (ASTM D2419)	\$ 135
A660	5 pt LTMD Bulk Specific Gravity (CTM 308, CTM 375).....	\$ 285
A661	Flat and Elongated Particles (ASTM D4791)	\$ 210
A662	Fine Aggregate Angularity (AASHTO T304 A).....	\$ 195
A663	Maximum Density HVEEM (ASTM D1560).....	\$ 210
A664	Maximum Density Marshall (ASTM D1559 and D561)	\$ 210
A665	Mix Stability (CTM 304)	\$ 210
A668	Wet track Abrasion Loss (ASTM D3910), each.....	\$ 175
A669	Extraction % of Emulsion (ASTM D6307)	\$ 155
A670	Slurry seal field consistency test (ASTM D3910)	\$ 85

Reinforcing Steel

Cost (per test)

R700	Bend Test: #11 or Smaller.....	\$ 65
R701	Bend Test: Larger Than # 11	\$ 95
R702	Tensile Test: # 11 or Smaller	\$ 85
R703	Tensile Test: # 14.....	\$ 115
R704	Tensile Test: # 18.....	\$ 180
R705	Slippage Test In Addition to Tensile Test (Per Caltrans 52-1.08C)	\$ 190
R706	Tensile Test: Mechanical Splice # 11 and Smaller	\$ 120
R707	Tensile Test: Mechanical Splice # 14	\$ 170
R708	Tensile Test: Mechanical Splice # 18	\$ 205
R709	Tensile Test: Welded # 11 and Smaller.....	\$ 85
R710	Tensile Test: Welded # 14.....	\$ 115
R711	Tensile Test: Welded # 18	\$ 180
R712	Sample Straightening for Bend or Tensile Test (if required).....	\$ 60
R713	Testing Multi-Wire Steel Prestressing Strand	\$ 280
R714	Tensile Test: T-Head #11 and Smaller	\$ 150
R715	Tensile Test: T-Head #14	\$ 200
R716	Tensile Test: T-Head #18	\$ 255
R717	Tensile Test: Welded Hoops # 11 and Smaller	\$ 120
R718	Tensile Test: Welded Hoops # 14.....	\$ 170

Metal Testing

Cost (per test)

R714	Hardness Test (Rockwell) and Brinell (ASTM E18)	\$ 75
R715	Hardness Test of Nuts	\$ 85
R716	Hardness Test of Bolts.....	\$ 100
R717	Hardness Test of Washers	\$ 85



<u>Concrete Coring Services</u>		<u>Cost (per test)</u>
C423	Equipment Concrete (4 and 8 hour minimum), per hour	\$ 200
Individual Core Prices (all prices are for a four core minimum job):		
C424	Slab on Grade Coring for 2",3" and 4" Diameter (first 6" depth) each .	\$ 70
C425	Slab on Grade Coring for 6" and 8" Diameter (first 6" depth) each.....	\$ 75
C426	Slab on Grade Concrete Core (price per inch after 6" depth).....	\$ 10
C427	Wall Cores 2",3" and 4" (first 6" in depth) each	\$ 85
C428	Wall Concrete Core (price per inch after 6" in depth), per inch	\$ 10
(Wall core pries based on Contractor supplying access to area to be cored)		
Miscellaneous Concrete Coring Prices:		
C429	Patching Slab on Grade Cored Holes with 2500 psi Concrete Patch, each	\$ 20
C430	Thickness Determination per ASTM C42, each.....	\$ 20
C431	Compression Strength Determination	\$ 65

<u>Asphalt Concrete Coring Services</u>		<u>Cost (per test)</u>
Alternate Individual Core Prices (all prices are for a four core minimum job):		
A661	Asphaltic Concrete Cores 2",3" and 4" Diameter (First 6" in depth), each	\$ 70
A662	Asphaltic Concrete Cores 6" and 8" Diameter (First 6" in depth), each	\$ 70
A663	Asphaltic Concrete Cores price per inch after 6" in depth, each	\$ 10
Miscellaneous Asphaltic Coring Prices:		
A664	Patching of Core Drilled Holes Using Cold Patch Material, each	\$ 30
A665	Thickness Determination per ASTM C42, each.....	\$ 35
A666	Specific Gravity for Determination of Percent Compaction per ASTM D 2726, each	\$ 45
A667	Specific Gravity for Determination of Percent Compaction by Paraffin, each.....	\$ 65

<u>Environmental Tests</u>		<u>Cost (per test)</u>
N800	Asbestos Polarized Light Microscopy (PLM) 3-Day Turnaround, each	\$ 20
N801	Asbestos Polarized Light Microscopy (PLM) 24-Hour Turnaround, each	\$ 40
N802	Asbestos Polarized Light Microscopy (PLM) 8-Hour Turnaround, each	\$ 70

APPENDIX D

Projects in reference to Attachment E

A partial listing of AESCO's recent, relevant projects includes:

Webster Elementary School–Cumming Corporation for Long Beach Unified School District

AESCO performed the construction materials testing and inspections for the modernization and upgrades for Webster Elementary School. The project includes the installation of new HVAC units, utility service upgrades, electrical service upgrades, ADA upgrades, ceiling and lighting upgrades, and technologic upgrades. AESCO is performing the soil testing, concrete testing, anchor tests, and field and shop welding inspections, concrete, and reinforcing steel. Reference: Mr. Daniel Gavahi, S.E., P.E., Cumming Corporation, USA, (213) 369-4402, Approximate Project Value \$14M. AESCO's projected fee \$33,000. 2018-2020.



Talbert, Masuda and Fulton Middle Schools – Fountain Valley School District

AESCO performed the geotechnical investigation for new modular buildings to be installed at three different campuses for the FVSD. Two new buildings are to be installed at each school consisting of a science building and a music building. Three to four borings were performed at each school and recommendations were provided for shallow foundations and mitigation for liquefaction. Potential seismic and geologic impacts to the site were analyzed. Reference: Mr. Joe Hastie, FVUSD, Maintenance & Operations Director, 1055 Slater Avenue, Fountain Valley, CA 92708, (714) 668-5888, Estimated Project Cost \$2M, AESCO's approximate fee: \$32,000, 2019.



Pacoima Middle School – Los Angeles Unified School District

AESCO performed construction and materials testing and inspection services for seismic retrofit of the school auditorium. Materials testing and inspections were performed for concrete placements for the proposed ramps and pavements for access requirements, welding of hand rails and inspection of the wood framing hold downs at the roof level for the auditorium. The project included pull tests, torque testing and welding inspections. The concrete mix design was also reviewed. Reference: Mr. Terry Frutos, LAUSD, Relocatable Housing Mfg. Inspector, 1200 S. Naomi Ave., 3rd Floor, Los Angeles, CA 90021, (213) 507-0674, Approximate Project Cost \$1.5M. AESCO's fee \$21,000. 2018-2019.



Academy for Enriched Sciences Magnet School – Los Angeles Unified School District

AESCO performed construction and materials testing and inspection services for several new concrete ramps with steel railings and improvement for existing ramps using steel pipe handrails requiring welding inspection. Improvements in bathrooms were also performed which required the installation of anchors in concrete with inspection and testing of the anchors. ADA barrier removal was also performed. The project included testing and inspection of concrete including slump, air content and compression, rebar, welding, pull tests, aggregate, and batch plant inspection. The concrete mix design was also reviewed. Reference: Mr. David Messler, LAUSD, Construction Inspector, 333 South Beaudry Avenue, Los Angeles, CA 90017, (213) 598-5873, Estimated Project Cost \$2M, AESCO's approximate fee: \$14,000, 2018.

**Perry Elementary School, Moffett Elementary School, Peterson Elementary School, Eader Elementary School– Opterra Energy Services**

AESCO performed the geotechnical investigations and construction materials testing and inspections for new solar energy facilities at 4 campuses of the Huntington Beach City School District. The facility included the installation of solar panel arrays on drilled caisson foundations placed throughout each school campus. Recommendations were also provided for new fire lanes. Geotechnical and geologic reports were produced which were prepared in accordance with the requirements of the California Code of Regulations, Title 24 Part I and DSA. AESCO reviewed the concrete mix designs, and alternated pier design installations. AESCO also inspected the caissons during construction. Reference: Mr. Curtis Campbell, Opterra Energy Services, (310) 413-4865, Approximate Project Value \$2M. AESCO's fee \$38,200. 2014-2016.



More detailed project information sheets are provided below.

Los Angeles Unified School District On-Call Construction Inspection and Materials Testing | Los Angeles, CA

AESCO has performed construction materials testing and inspections in accordance with the Section 17212 and 17212.5 of the Education Code, Title 24, Part 2 of the California Code of Regulations and Title 24 Part I of the Code of Regulations for various elementary, middle and high schools and other facilities throughout the District since 2011. Projects included new structures, renovation of existing structures, new playing fields, playgrounds, parking, etc. Review of project plans and concrete mix designs were performed. The services consisted of inspection and testing of asphaltic concrete, concrete, reinforcing steel, masonry, structural steel both in the field and at the shop, non-destructive examinations in the field and at the fabrication shop, high strength bolts, subgrade compaction, foundation inspections and testing, etc.

Project Highlights:

- Construction Inspection and Materials Testing for new and existing classrooms, wellness centers, gymnasiums, performing arts structures, parking areas, CMU walls, ADA upgrades, HVAC upgrades, auto shops, etc.
- Compaction Testing and Inspections
- Concrete Inspection and Testing
- Upload documents into DSA Box



Start Date: 2011

Completion Date: Present

Total Cost: \$3M

Client: Los Angeles Unified School District

Role: Construction Materials Testing and Inspection

Key Personnel Involved: Adam Chamaa, P.E., G.E., Omar Chamaa, Russell J. Scharlin, P.E., G.E., David Ryan, P.E,

Giovanni Mikhael

Reference

Saer Elfarra, Senior Resident Construction Engineer | Los Angeles Unified School District |
333 South Beaudry Avenue, 24th Floor, Los Angeles, CA 90017 | Phone: (818) 224-0063 | E-mail:
saer.elfarra@lausd.net



Masuda Middle School Modular Structures | Fountain Valley School District, Fountain Valley, CA

AESCO performed a geotechnical investigation for new modular structures at Masuda Middle School. The new structures were composed of one new structure (Music Room) will be approximately 1,600 to 1,700 square feet and the one (Science Building) will be approximately 4,200 to 4,300 square feet. As part of the investigation, AESCO performed 3 soil borings with a hollow stem auger drill rig, liquefaction analysis and provided recommendations for drilled pier foundations. Laboratory testing consisted of water content, direct shear, Atterberg Limits, dry density, washed sieve analysis, pH, soluble sulfates, and chlorides. This site had very high settlement due to liquefaction potential. To mitigate the settlement AESCO recommended and prepared a grout injection plan to densify the soil prior to construction. AESCO monitored the grouting operations to ensure that the grout injection was performed in accordance with the recommended procedures. Two additional borings were performed to evaluate the ground improvement and to verify that the grouting operation were successful. AESCO also performed additional liquefaction analysis to evaluate the settlement of the soil after grouting operations were completed. AESCO was able to get the grout program approved by the DSA. During construction AESCO performed inspection of the construction activities for slurry injection, concrete, asphalt concrete, bases, embedded materials, soils, and grading as well as field and laboratory testing of slurry, asphalt concrete, concrete, steel reinforcing, bases, and soils.

Project Highlights:

- Construction inspection and materials testing for new modular structures
- Prepared a grout injection plan to mitigate settlement
- Monitored grouting operations to ensure successful results
- Performed soils and grading inspections and testing

Start Date: 2018

Completion Date: 2019

Total Cost: \$4.6 million

Client: Fountain Valley School District

Role: QC Inspection and Materials Testing, Geotechnical Engineering

Key Personnel Involved: Adam Chamaa, P.E., G.E.,
Daivd Ryan, P.E., Omar Chamaa, Rolanda Baga



Reference

Joe Hastie, Maintenance and Operations Director | Fountain Valley School District | 8788 El Lago Street,
Fountain Valley, CA 92863 | Phone: (714) 231-2229 | E-mail: hastiej@fvds.us



405 Freeway Widening | Between SR-73 and I-605 Freeway, Orange County, CA-Caltrans

AESCO is performing the Quality Validation, selected Quality Control and geotechnical and environmental engineering during widening of the 405 Freeway between Euclid Street and the 605 Freeway, a total of 16 miles. The widening project includes the construction of new lanes on the southbound and northbound sides, new retaining walls, bridges, etc. The testing and inspection services include a review of the concrete mix for pavement, caissons, below groundwater, structures, etc. and testing and inspections for concrete, concrete batch plant, rebar, aggregate, welding, steel tubing, compaction, base material evaluation and testing, and asphaltic concrete. AESCO is coordinating and managing all of the construction materials testing and inspections services. AESCO also prepared the Quality Manual for the project including all of the digital forms. Environmental services include: Aerially Deposited Lead (ADL) studies, environmental assessment of imported materials, asbestos survey and abatement oversight, lead and chrome surveys, and waste characterization of hydrocarbon impacted soil. Geotechnical Engineering services being provided include an investigation for new retaining walls, borings to confirm corrosivity testing, and inspections of compaction, foundations, subgrade, embankments, and bridge foundations. AESCO is also responsible for safety compliance, traffic control, lane closures, and Stormwater Pollution prevention Plan (SWPPP). As part of the I-405 Widening project AESCO performed the geotechnical investigation for relocation of WOCWB Feeder No. 2 under the jurisdiction of the City of Huntington Beach. Geotechnical recommendations for the jack and bore portion of the 30-inch diameter pipe installed beneath the 405 Freeway were provided as well as recommendations for the open trench portion of the installation. Shoring, excavation, dewatering methods and general asphalt pavement recommendations were also provided. During construction AESCO performed 24-hour settlement monitoring and evaluation; engineering oversight; observed the test pits for groundwater; provided oversight of groundwater testing; grout injection inspections; backfill evaluation; and compaction testing. Geotechnical Engineering services being provided include an investigation for new retaining walls, borings to confirm corrosivity testing, and inspections of compaction, foundations, subgrade, embankments, and bridge foundations. AESCO is also in charge of safety compliance, traffic control, lane closures, and Stormwater Pollution Prevention Plan (SWPPP). As part of our duties, AESCO holds regularly scheduled safety meetings.

Project Highlights:

- Construction Materials and Soils Inspection and Testing for Freeway Widening Project
- Prepared Quality Control Manual for the project
- Coordinating and managing construction materials testing and inspection services
- Environmental Sampling of Aerially Deposited Lead (ADL)
- Asbestos Survey and Abatement Oversight
- Environmental assessment of clean import and hydrocarbon impacted soils
- Geotechnical Engineering for retaining walls and corrosivity



**Project Challenges:**

- AESCO provided resolutions to non-conformance reports (NCR) related to quality issues during construction in a timely manner to keep the project on schedule. Provided corrective actions to be taken and measures to prevent future NCR's.
- AESCO provided complete documentation and research associated with any specifications, standards, and list of procedures that were affected by issues. AESCO recommended mitigation measures and action plans to resolve problems that rose during construction.
- AESCO worked closely with the design-build team to prevent future issues and problems from occurring.

Start Date: 2018

Completion Date: 2023 (Projected)

Total Cost: \$1.9 billion

Client: OC 405 Partners

Role: QC Inspection and Testing

Key Personnel Involved: Adam Chamaa, P.E., G.E., Russ Scharlin, P.E., G.E., Debra Perez, Omar Chamaa, Giovanni Mikhail, David Ryan, P.E., Kay Alabed, Debra Perez, Steve Crumb, Tariq Abdullah, Dustin Sexton, Daniel Jimenez, Jr.

Reference

Reem Hashem, Principal Contracts Administrator | OCTA | 550 South Main Street, Orange, CA 92868 | Phone: (714) 560-5446 | E-mail: Rhashem@octa.net



ADMINISTRATION BUILDING, PIER E | PORT OF LONG BEACH, CA

AESCO is providing the construction materials testing, lead construction services and selective deputy inspection services for the two-story, steel-framed office building with rooftop terrace as part of the Phase 3, Pier E upgrades. Testing and inspection services include review of existing plans and specifications, the geotechnical report, quality management plan, and attend quality management meetings with contractors, Port of Long Beach and construction managers. Overexcavations and recompaction of backfill over geotechnical fabric were inspected and tested as well as the excavation bottom. Samples were obtained at the site and tested in AESCO's laboratory for maximum density-optimum moisture, gradation and Atterberg Limits.

Project Highlights:

- Construction management for new office building
- Grading inspection
- Footing inspection
- Engineering consultation related to construction issues



Start Date: February 2019

Completion Date: Present

Total Cost: \$17 million

Client: IEM for Port of Long Beach

Role: Lead Construction Services including Materials Testing and Inspections

Key Personnel Involved: Adam Chamaa, P.E., G.E., David Ryan, P.E., Giovanni Mikhael

Reference

Behjat Zanjani, P.E., CCM | IEM |
302 West 5th Street, Suite 207, San Pedro, CA 90731 | Phone: (714) 488-3056 |
E-mail: bzanjani@iemcm.com



ON-CALL A&E CONSTRUCTION TESTING and INSPECTION SERVICES | County of Orange, Department of Public Works

AESCO has held the on-call contract with the County of Orange to perform construction materials testing and inspections for the past 4 years. The scope of work has included concrete, grout mix design; observe and document formwork construction; observe and document placement of reinforcing steel; slump, temperature, and air entrainment tests of fresh concrete; cast, cure and test concrete cylinders for compressive strength (core Testing); observation of post tensioned concrete; gamma and X-ray radiographic inspection; and hardness testing.

Projects have included the following:

Aliso and Woods Canyon Visitor Center
Restroom Remodel at Laguna Niguel Park
Bike Rental Expansion at Irvine Park
Fireman's Memorial Relocation at Irvine Park
Earthquake Repair at George Key Ranch Historic Park
Year-Round Emergency Shelter at Kraemer Park
CTO Training Rooms at GAO
New Restroom and Entry at Orange County Zoo
Electronic Transformer Replacement at Irvine Ranch
Parking Structure P8 in Santa Ana
TFC Secure Parking and Gates
Wima Shade Structure at Mason Regional Park
Probation Building Chiller and Cooler Replacement
Laundry Rehabilitation at Orangewood Children's Center
New Restrooms at Laguna Niguel Regional Park (included geotechnical engineering)
New Restrooms at Ted Craig Regional Park (included geotechnical engineering)
800 MHz Building in San Clemente
800 MHz Building at OC Sheriff's Office
Westminster Library Improvements
Orange County Data Plant Refresh
Rancho Santa Margarita Library Improvements
ADA Office Restroom, Santa Ana
Mile Square Regional Park Improvements



Restroom to be replaced at Ted Craig

Reference

Mr. Ted Pittman, Project Manager III | County of Orange, Department of Public Works |
1143 E. Fruit Street Building 1, Santa Ana, CA 92701 | Phone: (714) 425-8880 | E-mail:

Ted.Pittman@ocpw.ocgov.com



Los Angeles Regional Interoperative Communications System (LARICS) | Los Angeles County, CA

AESCO performed geotechnical investigations for approximately 200 sites throughout Los Angeles County for the new emergency communications system. The facilities generally consisted of a monopole and support slab but also included three-legged towers. The towers varied in height up to 190 feet. Geotechnical foundation recommendations were provided for towers located on steep slopes, within liquefaction zones, in bedrock, and in areas with high groundwater. Several sites required special mitigation to support the towers in areas not accessible to conventional drill rigs or in areas where it was not feasible to construct a deep foundation system. Slope stability analyses were performed for the majority of the sites. Recommendations were provided for retaining walls, foundations, wall foundations, and grading. Materials testing services included inspection and testing of concrete, foundations, rebar, structural steel, masonry, and cast-in-place drilled piers.



Project Highlights:

- Geotechnical engineering for varying types of towers throughout Los Angeles County including Catalina Island
- Rock coring performed at several sites
- Plan reviews
- Concrete and Asphalt Mix Design Review
- Monitored installation of cast-in-place drilled piers, mat foundations and shallow foundations
- Inspection and Testing for Steel, Welding, Concrete and Mat and Shallow Foundations

Start Date: June 2014

Completion Date: On-going

Total Cost: \$455M

Client: Pyramid Networks for Motorola for County of Los Angeles

Role: QC Inspection and Testing; Geotechnical Engineering

Key Personnel Involved: Adam Chamaa, P.E., G.E., Russell J. Scharlin, P.E., G.E., Debra Perez, Omar Chamaa, Giovanni Mikhael, Kay Alabed, Dustin Sexton

Reference

Geetha Shanmugasundaram | Arcadis U.S., Inc. |
445 S. Figueroa Street, Suite 3650, Los Angeles, CA | 90071 | Phone: (213) 675-1663 | E-mail:
Geetha.Shanmugasundaram@arcadis.com

Kenny Krechnyak | Pyramid Network Services |
6519 Towpath Road, East, Syracuse, NY 13057 | Phone: (314) 399-4985
kkrechnyak@pyramidns.com

APPENDIX E

Letters of Recommendation



Los Angeles Unified School District

Facilities Services Division



OFFICE OF THE SUPERINTENDENT

FACILITIES SERVICES DIVISION

03-20-2014

To Whom It May Concern:

Los Angeles Unified School District has worked with AESCO since 2008, and have found principal Adam Chamaa and his associates to be highly professional and competent in providing a variety of construction related support services.

AESCO has been a valuable resource for the Los Angeles Unified School District in completing a large number of new construction and modernization projects. They have provided soils and geotechnical engineering reports and pavement design for almost every campus within the District.

In addition, they have provided material testing and inspection services both in-state and out-of state when necessary. Timely reporting and accurate documentation of their work is one of their strengths.

We feel comfortable in recommending Adam Chamaa and AESCO for infrastructure support services.

If you have any questions please feel free to contact me at (213) 241-4702

Thank you,


Saer Elfarra
OAR

LAUSD

Project Execution Department
(213) 241-4702

ALEXANDER P. TAN ARCHITECT

440 LAKEVIEW ROAD
PASADENA, CALIFORNIA 91105

Phone 626 484-6060
Email Alectanarch@gmail.com

March 20, 2014

To Whom It May Concern:

Our firm has worked with AESCO since 2004, and have found principal Adam Chamaa and his associates to be highly professional and competent in providing a variety of construction related support services.

AESCO has been a valuable resource for the Alhambra Unified School District in completing a large number of new construction and modernization projects. They have provided soils and geotechnical engineering reports for new classroom buildings and pavement design for almost every campus within the District.

In addition, they have provided material testing and inspection services both in-state and out-of state when necessary. Timely reporting and accurate documentation of their work is one of their strengths.

We feel comfortable in recommending Adam Chamaa and AESCO for infrastructure support services.



Alexander Tan
Principal Architect



ALHAMBRA UNIFIED SCHOOL DISTRICT

1515 West Mission Road,
Alhambra, Ca. 91803
(626)943-6500

February 22, 2019

To Whom It May Concern:

Alhambra Unified School District has had the pleasure of working directly with AESCO, Geotechnical/Environmental Engineering since 2008 on a multitude of project throughout the various school sites. Adam Chamaa, Principal, and his associates have provided highly professional and competent construction related support services.

AESCO has taken part in projects from playground installations to new construction and modernization. They have provided excellent soils and geotechnical engineering reports, timely and accurately documented.

I am confident in recommending Adam Chamaa and AESCO for Infrastructure and Geotechnical support services.



Eric Espinosa
Facilities & Construction Manager
espinosa_eric@ausd.us





Orange County
17782 Georgetown Lane
Huntington Beach, California 92647
Tele: (714) 375-3830
Fax: (714) 375-3831

San Bernardino County
14163 Arrow Boulevard
Fontana, California 92335
Tele: (909) 284-9200
Fax: (909) 284-9201

20162043

AESCO COMPANY SURVEY

Client Name: Eric Espinosa

Company: Alhambra Unified School District

Modified Relocatable

Date: _____

	Strongly Agree	Somewhat Agree	Undecided	Somewhat Disagree	Strongly Disagree
Does AESCO appear knowledgeable/qualified to perform the testing?	✓				
Overall, AESCO handles all complaints in a timely manner.	✓				
Would you use AESCO again?	✓				
Would you recommend AESCO's services to other companies?	✓				
Overall, you are pleased with the way AESCO handles obstacles at the job	✓				
AESCO submits reports in a timely manner	✓				
AESCO's staff is readily available to provide support when needed	✓				

Additional Comments:

I would recommend AESCO to those who are looking for Material Testing and special inspection services.

How can AESCO improve?

TRI-VALLEY INSPECTIONS INC.

18668 LEMERT STREET~HESPERIA~CALIFORNIA~92345

February 20, 2019

To Whom It May Concern:

I have utilized AESCO for geotechnical engineering and construction materials testing and inspections. AESCO has been very responsive and they provide excellent services for various types of projects including structures, utilities, and pavement for school districts.

We highly recommend AESCO Inc. for both geotechnical services as well as construction materials testing and inspection.

If I can provide any further assistance, please do not hesitate to contact me at 760-559-2198 or email me at inspdoug@gmail.com

Sincerely,

A handwritten signature in black ink, appearing to read 'Doug Dimmitt', with a large, stylized loop at the end.

Doug Dimmitt
President, Tri-Valley Inspections Inc.

February 21, 2019

To Whom It May Concern:

I have utilized AESCO for geotechnical engineering and construction materials testing and inspections. AESCO has been very responsive and they have provided excellent services for various types of projects including structures, utilities, and pavement for the Alhambra school district for the past 15 years.

We highly recommend AESCO Inc. for both geotechnical services as well as construction materials testing and inspection.

If I can provide any further assistance, please do not hesitate to contact me at (626) 283-5996 or email me at mleu@mlarchitecture.com.

Sincerely,



Mun C. Leu,
President