

RFP Proposal Response submitted to:

City of Hermosa Beach, CA

To Perform

On-call Geotechnical Services

February 17, 2020

Submitted By:



Submitted To:



**SMITH-EMERY LABORATORIES**

An Independent Commercial Testing Laboratory, Established 1904

781 E. Washington Blvd
Los Angeles, CA 90021

Phone (213) 749-3411

Fax (213) 741-8631

February 17, 2020

ATTN: Romany Basilyous
City of Hermosa Beach
Department of Public Works

RE: Request for Qualifications On-Call Materials Testing and Geotechnical Services

Dear Mr. Basilyous:

Smith-Emery Laboratories is please to submit to the City of Hermosa Beach this RFP response to be considered to provide on-call geotechnical engineering services in support of the Public Works Department. Smith-Emery has been performing these services in California since 1904 and is the most qualified local testing laboratory available to the City of Hermosa Beach..

Smith-Emery is submitting our qualifications to the City. We intend to provide services from our laboratory in Los Angeles, CA. Smith-Emery has many years of experience providing on-call services for municipalities in California including City of Long Beach, Los Angeles, Irvine, San Francisco, Palo Alto, Redwood City, San Bruno, Daly City and Clovis. We have staff that are certified in testing methodologies that will be encountered on your projects – Caltrans CTM, ACI, AWS. Additionally, we have an AASHTO and Caltrans certified local laboratory for performing all required geo-tests. We have local engineering staff, and we have deep resources across the state – including comprehensive laboratories in San Francisco and Los Angeles; geotechnical staff that includes registered geologists, geotechnical engineers and civil engineers. We are confident that the City of Hermosa Beach will have any contingency covered when contracting with Smith-Emery.

The value provided by selecting Smith-Emery will be a combination of personnel, resources, and efficiency. Our familiarity with the local jurisdiction and building code requirements will be an added value to the successes on City of Hermosa Beach projects.

Contact Information: Michael Burke, Project Manager mburke@smithemery.com (714) 396-0448

Daniel Slater, Vice President dslater@sei.us.com (213) 749-3411

Primary Contact: William Partridge, Vice President wpartridge@smithemery.com (714) 231-2049

Respectfully Submitted,

SMITH-EMERY LABORATORIES

William Partridge, Vice President



Firm Intro

Smith-Emery has been providing inspection and materials testing services for public agencies and private companies for the past 114 years. With a staff of more than 400 licensed engineers, inspectors, technicians and administrative support, Smith-Emery has developed a reputation of delivering unmatched services that continually exceed client expectations.

Firm Strength and Stability

Founded in 1904, Smith Emery Company is the oldest and largest inspection and testing company on the West Coast, and remains the only commercial independent testing laboratory firm to be owned and managed by a Registered Civil Engineer.

Smith-Emery operates under third generation company ownership. This creates stability and a long-term commitment to the company's future. The firm is in a solid financial position. We are one of the few independent laboratories that have the financial capability to take on large, complex assignments as well as continue with our other commitments. This is an important consideration when selecting a testing and inspection firm – we will be there for you for the duration of the project.

Commitment

Our experience, resources, and financial stability give us the tools to commit to meeting the schedule. The schedule can't stop. We know how to structure our part of the work for concurrent activities, as well making sure there are enough resources on site and in the laboratory to get the work done. Smith-Emery's philosophy is to "keep the lights on" – 24 hours per day, seven days a week if the schedule demands it – we will always say yes to working to the schedule.

Engineering Services

Preliminary Soils / Geology Investigation
Site Evaluation
Hydrogeological Site Characterization
Foundation Recommendations
Geologic Mapping
Remedial Grading Recommendations
Liquefaction Studies / Seismic Design

SMITH-EMERY AT A GLANCE

Founded April, 1904 in San Francisco, CA
Family-owned/operated S-Corporation.

8 offices – providing support, technical expertise
350+ Inspectors
15 Project Managers
8 Project Engineers
2 Geotechnical Engineers
3 Registered Geologists
30 Laboratory Technicians

Smith-Emery San Francisco, San Francisco, CA
Smith-Emery San Francisco, Selma, CA
Smith-Emery Company, Los Angeles, CA
Smith-Emery Laboratories, Anaheim, CA

Firm Information:

Smith-Emery Laboratories

Legal Entity: CA S Corp

Corporation I.D. # C2132068

Address: 781 E. Washington Blvd Los Angeles, CA 90021

Contact:

Michael Burke
781 East Washington Blvd.
Los Angeles, CA 90021
714/396.0448 (mobile)
213/749-3411 (office)
mburke@smithemery.com

NAISC Categories:

541380	541350
237310	236220

Settlement Analysis
Deep Foundation Design Recommendations
Shoring Design Parameters
Pavement Design
Forensic Investigation
Foundation and Landslide Studies
Earthquake Fault Zone Investigations



Field Inspection and Testing

Mass Grading Inspection and Testing
Backfill Inspection
Footing Inspections
Hot Mix Asphalt Placement Inspection

Pile Driving and Caisson Inspection
Drilled Foundation Inspections
Shoring Inspections
Inspection of Tie-Back Anchors
Batch Plant Inspection
40-Hour OSHA HAZWOPER Personnel

Laboratory Testing Capabilities

Smith-Emery has a full service Caltrans, AASHTO, and DSA (LEA) accredited soils and asphalt laboratory, engineering technicians and professionals to provide comprehensive geotechnical consulting services.

Soil

Sieve Analysis, Fine or Coarse, ASTM C136
Material Finer than #200, ASTM C 177/D1140
Hydrometer Analysis, ASTM D 422
Specific Gravity Soils, ASTM D 854
Atterberg Limits, ASTM D4318
Moisture-Density Rel. of Soils, STM D1557
Consolidation Test, ASTM D 2335
Unconfined Compression Test, ASTM D 2166
Expansion Index, UBC-29-2, ASTM D 4829
Direct Shear Test, ASTM D 3080
Permeability, Constant Head, ASTM D 2434
Permeability, Falling Head, ASTM D 5084
Aggregate
Absorption. Coarse/Fine, ASTM C 127/1280

Specific Gravity. Bulk SSD Coarse/Fine ASTM C 127/128
Cleanness Value, California 227
Sand Equivalent, ASTM 2419
Sodium or Mag. Soundness, ASTM C88
“R” Value, CT 301/ASTM 2844
Percent Flat/Elongate CT 119/ASTM 4791

Hot Mix Asphalt

Stability Tests: Hveem, CT 304/366
Maximum Density: Hveem CT 304/308
Gradation of Extracted Sample CT 202
Maximum Theoretical Specific Gravity CT 309
Core Density, CT 308
Oil Content by Ignition Oven, CT 382

Concrete & Steel Inspections / Non-Destructive Testing

Smith-Emery’s facility dispatches over 300 certified Special Building Inspectors daily to jobsites and steel fabrication shops throughout the greater Los Angeles area. Smith Emery’s structural inspections and materials sampling services include concrete, masonry, structural steel, and soils, and range to related structural materials such as shotcrete, fireproofing, Fiberwrap, and an extensive list of specialty materials. Our inspectors are certified and have extensive experience to inspect and test all types of construction – including new buildings, building additions, seismic upgrades, historic structures, and civil structures such as bridges and highways.

Steel Shop Fabrication Inspection

Smith-Emery has extensive experience providing structural steel inspections for product conformity, consistency, and reliability. Our inspection staff is capable of providing a wide range of services, and we have tailored our operating procedure and professional credentials to ensure that we can secure the highest levels of manufactured product quality. Smith-Emery’s specialists ensure that fabricated components are produced to meet precise specifications. Our staff members hold accreditation from national organizations such as American Welding Society, American Society of Non-Destructive Testing and NACE International. Currently, we have staff in over 45 shops – which includes shops in the United States, Canada, Mexico, China, Thailand, Turkey and Italy.

Physical Testing Laboratory



Our Los Angeles facility is has the largest concrete cylinder cure room in California – capable of curing 10,000 cylinders at one time; 4x8, 6x12 and fork lift accessible. We have the capability of testing over 250,000 cylinders per year. The laboratory has seven machines capable of compressing 1,000 cylinders per day.

Metallurgical Services

Our Mechanical Testing & Failure Analysis services are directed by a state licensed metallurgical engineer. The “Met Lab” offers mechanical testing, consulting, and failure analysis services. Often projects necessitate a multi-disciplinary approach, and our close affiliation with the University of California’s research laboratories extends our expertise for diverse disciplines such as chemical, mechanical, and fracture mechanics allowing us to provide one-stop solutions to scientific challenges.

Chemical Laboratory - Positive Lab Services

Our Chemical Laboratory provides a full range of organic and inorganic testing services, including hazardous waste, soil, wastewater and groundwater analytical sample results. For projects requiring on-site real-time data, our mobile laboratory is equipped with GC, GC/MS and Horiba IR, and provides multiple analytical methods for fuel-related and/or chlorinated volatiles analyses.

Geotechnical & Environmental

The geotechnical department provides preliminary soils/geology investigation, site evaluation, soils inspection, soil foundation recommendations, bearing values and compaction testing, as well as geologic mapping, supervising mass site grading, pavement design, remedial grading recommendations, liquefaction studies and plant inspection. Our soils and asphalt laboratory is fully equipped and certified by government regulatory agencies. The Environmental Department performs Phase I & II Environmental Site Assessments-- to identify areas of environmental concern or potential environmental risks. Based on known historic usage of the property and/or its adjacent site, this information is intended to identify either potential concerns and/or the presence of contamination. When necessary, site characterization and oversight of the remediation clean-up process is performed.

Waterproofing Testing & Inspection



The Smith-Emery's curtain wall/façade mockup testing facility is the most sophisticated in the western United States. We are accredited by the American Aluminum Manufacturers Association (AAMA) to perform applicable test methods on mockups and in the field, in addition to a full range of specialty procedures. Since its inception in 1984, our curtain wall testing department has performed mockup testing for over 300 projects throughout the United States and the Pacific Rim. We have recently increased our testing capacity by adding space for four additional mockups, and the head of our testing facility has completed work on more than 4,000 mockups. We also perform field testing on windows installed at the project site.

Smith-Emery is the only materials testing and special inspection firm in California that has an AAMA accredited facility – we have two – in San Francisco and Los Angeles.

Our curtain wall testing laboratories feature computerized measurement equipment which provides accurate and immediate deflection readings for structural load testing, thereby saving substantial time as compared to taking manual readings.

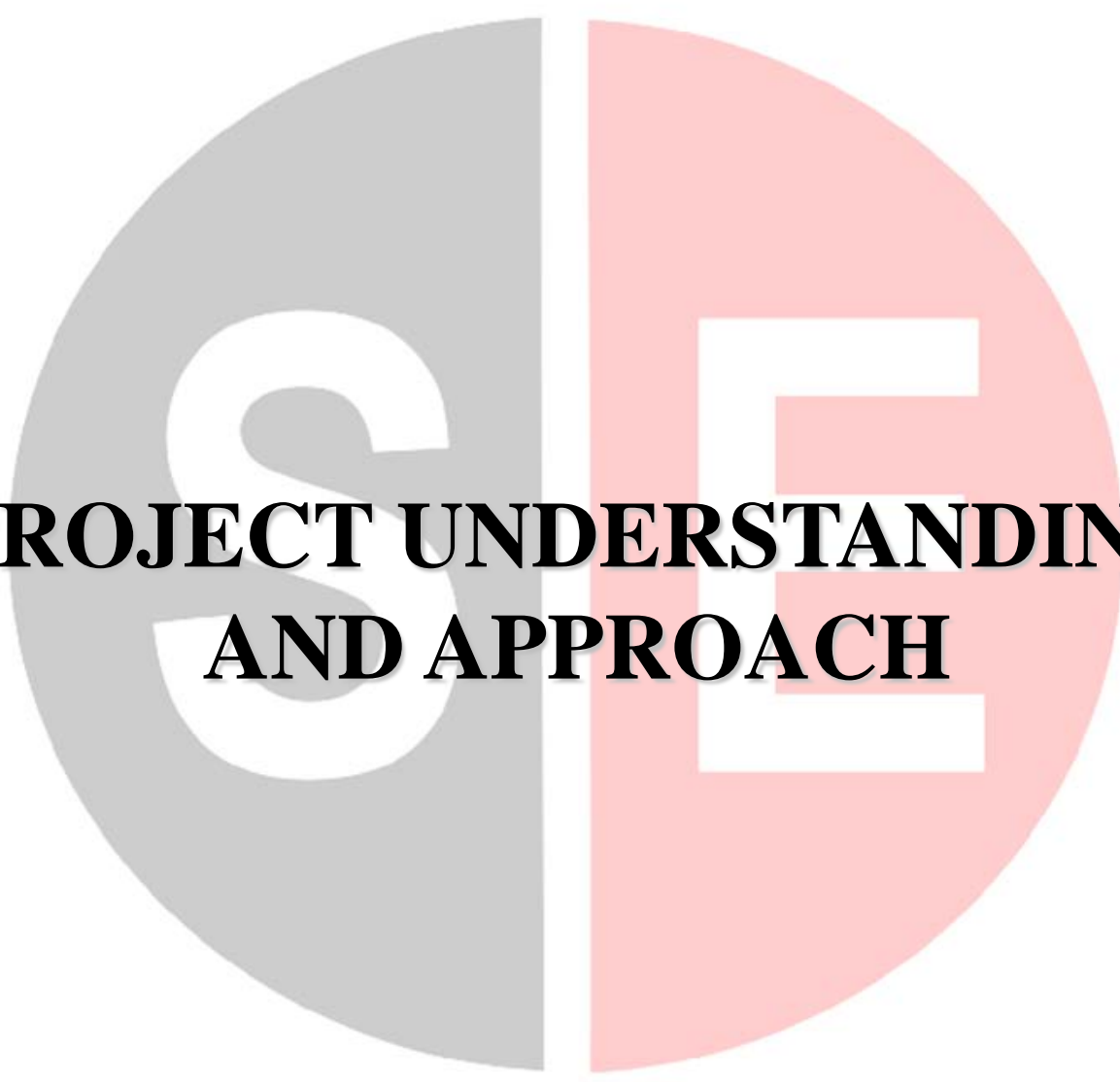
The following are typical tests performed on curtain/window wall systems.

- Air Infiltration Tests ASTM E283 and ASTM E783
- Static Water Leakage Tests ASTM E331 and ASTM E1105
- Dynamic Water Test AAMA 501.1
- Structural Tests ASTM 330
- Window-Washer Tie-Back Tests
- Seismic Tests AAMA 501.4

Resources: All Smith-Emery personnel proposed to work on the project shall be licensed and/or certified as required to perform their respective work. If proof of credentials is requested by Client's Representative, such documentation shall be provided within a reasonable time frame.

Client Relationships: We are in a 'service / client relationship' business. At Smith-Emery, we pride ourselves on establishing and maintaining positive working relationships and work environments. We have worked successfully and harmoniously with many members of your team and see no issues moving forward. Our mission is to work with pride, professionalism, and urgency to match the dedication of the other selected team members and personnel.





PROJECT UNDERSTANDING AND APPROACH



Project Understanding & Approach

Smith-Emery maintains a large base of professionals enabling the firm to respond to a City's fluctuating needs and to complete the project on time. We have a large roster of personnel capable of performing anywhere in the world. Many of our personnel have been with the company for 20, 30, 40 and even 50 years. We encourage professional growth and, as a consequence, many of our inspectors are cross trained and multi-certified in a variety of disciplines. We have reviewed this RFP in its entirety and are assured of our ability to meet the needs of Hermosa Beach.

Smith-Emery approaches our work methodically. All projects are set up to have milestone checks that will make sure the budget is on track and we are adhering to the schedule:

Review Project Assignment with Client.

- Speak with the client to assure full understanding of the work request (Task Order) and to identify potential omissions in the scope of work requested
- Discuss schedule and agree to a delivery date

Develop Work Plan

- Identify activities, personnel, schedule and priorities
- Identify and coordinate with other work on the same project, if any
- Prepare and submit drilling application, if needed

Review of Archive Data

- Review relevant as-built plans, LOTB and reports and any other relevant records.
- Obtain information regarding subsurface utilities

Field Visit

- Assure field personnel have proper equipment and safety gear
- Assure permits are in order
- Assure that the appropriate observations are made in accordance with the project needs
- Mark the approved boring locations and mark underground utilities
- Obtain samples, log soil conditions
- Prepare preliminary report based on borings.

Laboratory Testing

- Perform lab tests on samples

Analysis, Evaluations, Alternatives and Provide Recommendations

- Perform engineering analyses
- Develop design recommendations
- Identify alternatives including associated advantages, disadvantages, and risks
- Peer Review of Recommendations (Optional)
- Discuss project and proposed recommendations alternatives with at least one experienced colleague



Review Reports

- Check for compliance with applicable reporting standard
- Check for consistency with other reports, if any, for the same project
- Check resource estimates for design investigation and construction phase
- Check for readability, clarity, grammar, and spelling.

Preconstruction Services

During this phase, Smith-Emery will provide a geotechnical review of the plans, specifications and estimates (Construction Documents) at 60% completion and provide comments. Our comments will be provided in a concise report. At the 90% permit level, Smith-Emery will also provide a review with our comments summarized in a concise report. During the preconstruction period and bidding phase, we will respond to requests for information (RFI) as related to the geotechnical portion of the work.

Construction Services

During construction, Smith-Emery will perform on site services to observe, sample and test soils, concrete, steel and other materials, as well as provide laboratory testing.

As part of our services, we will prepare a report to summarize our observations and-testing results. We will review and respond to contractor requests for information (RFIs) in a timely manner. All RFIs will be logged and responded to in a complete manner to keep construction moving on schedule. The RFI log will be available to City staff.

At the completion of construction, Smith-Emery staff will prepare a construction observation report that will contain our daily reports, observations, test results, and RFI log, and the tie-back report.



Organizational Chart

JAMES PARTRIDGE, PE President and Civil Engineer	R.THEODORE PEET, PE Project Engineer	PATRICK MORRISON, PG, CEG Principal Geologist/Project Manager
<p>Mr. Partridge has over 40 years of technical experience including the last 20 years as owner and president of Smith-Emery Company. Mr. Partridge is responsible for the direction, overall technical competency and the quality control of five certified laboratories, 50+ professionals and over 300 inspectors in the fields of Materials Testing, Geotechnical, Environmental, Chemical, Metallurgical and Special Inspection.</p>	<p>Mr. Peet is a multi-certified registered civil engineer, with over 40 years of experience in the construction industry. He is an ASNT NDT Level III, as well as ICC Structural Steel and Welding inspector (legacy). He has worked on projects all over the globe with a particular expertise in steel construction – buildings, bridges, airports, hospitals – yet has expertise in all aspects of all construction materials quality control.</p>	<p>Mr. Morrison is responsible for the daily operations of the Northern California offices - both technically and operationally. He works closely with lab personnel and dispatch to ensure that resources are available when needed and budgets and schedules are being met, as planned. He is also the company's principal geologist and responsible for Smith-Emery's Geotechnical Operations. He has been with Smith-Emery for over 25 years.</p>
ROBERT GREELEY Proposed Project Manager	ROBERT RINEER, PE Proposed Project Engineer	ARTEDI CORTEZ, PE, GE Project Engineer
<p>Mr. Greeley has over 40 years of experience working with Smith-Emery.. He is the Operations Manager of our Southern California offices. Rob has managed on-call contracts with cities and municipalities throughout his tenure at Smith-Emery.</p>	<p>Mr. Rineer is a registered civil engineer and materials specialist. He has over 15 years of experience in the industry with an emphasis on soils, asphalt and concrete construction materials. He has an extensive construction background and is familiar with City of Hermosa Beach processes and procedures.</p>	<p>Mr. Cortez is responsible for the technical aspects of projects – reviewing the field and laboratory reports, as well as mix designs and issuing the final reports and documents for close-out. He has over 30 years in the industry, is a registered civil engineer as well as an ACI certified inspector. In addition, Mr. Cortez is a registered geotechnical engineer and provides engineer of record services to our geotechnical department.</p>

*All personnel are available to service the City of Hermosa Beach as needed to complete this contract.





PROJECT MANAGEMENT PLAN



Project Management Plan

Smith-Emery project management team will be in constant communication with City of Hermosa Beach Public Works personnel to ensure all expectations are met & all quality assurance services that are required are performed as efficiently as possible.

Communications Approach


- Smith-Emery Laboratories will establish an email thread with all project team members so that efficient communications can begin and all participating members of the contract are available and within reach at all times.
- Services will be initiated and scheduled upon receipt of an inspection request from the City or City's representative.
- Smith-Emery requests 48 hour notice on all inspection requests to guarantee coverage.
- Inspection requests can be made via telephone call or email to dispatch team. Phone calls are preferred so the dispatch team can address any questions, concerns, or specifics about the services to be performed.
- Smith-Emery Project Managers will debrief monthly with City personnel to assure City of Hermosa Beach Public Works Dept. is satisfied with the services being provided, that invoices are understood & correct, and to confirm all quality assurance services that are required and requested are being performed and documented correctly.

Quality Assurance / Quality Control Approach

Smith-Emery's Geotechnical Services Quality Management Plan is a strategy for learning and continuous improvement. Our Plan applies to project deliverables and project work processes at the project level, the local office level and company-wide. The goal of the plan is to achieve effective delivery, control and service with processes that are efficient and effective in meeting the goals of the project scope. Quality Control consists of the processes, practices and activities performed at the project team level. Quality Assurance is the internal verification that Quality Control has occurred at the office level. Independent Quality Assurance is external to the project delivery process and evaluates implementation of Quality Control and Quality Assurance. The Plan begins with the receipt of the work request and continues through the final recommendations and construction completion. Completion of the Plan provides assurance that the product delivered to the client conforms to the established procedures and standards, has undergone the appropriate reviews and quality checks, and meets the project expectations. Our plan provides a framework for the Geotechnical Services Department to develop clear, consistent practices for providing Quality Control, Quality Assurance, and Independent Quality Assurance of the various services and deliverables we produce. Geotechnical Project Quality includes the elements of Technical Quality, Cost Effectiveness, Meeting Schedule and Delivery, and Client Expectations.

Note: Full Quality Assurance Manual available upon request. Smith-Emery is the ONLY testing laboratory / inspection agency to be audited and approved via AC 291 / ISO 17020





EXPERIENCE & QUALIFICATIONS



Experience & Qualifications

Smith-Emery has performed Geotechnical Engineering services on substantial construction projects throughout the state of California. The following pages are relevant projects of which we performed the same scope of services required in this RFP .





Owner:

City of Santa Cruz

General Contractor:

Bothman Construction

Project Cost:

\$1,27 million

Reference:

City of Santa Cruz

Christopher Schneider,

Asst. Public Works Director

809 Center Street, Room 201

Santa Cruz, CA 95062

831/420-5422

Depot Park Drainage Investigation

Santa Cruz, California

Geotechnical,



When it had been open previously, the artificial turf at Depot wasn't draining water properly, which left large puddles scattered across the field after rainy days. That old turf—installed a decade ago—was falling apart prematurely. The grass-like surface was turning into rugged terrain filled with lumps and divots, prompting the city of Santa Cruz to file a \$1.3 million lawsuit and close the Park.

Smith-Emery performed a drainage investigation on the 2.36 acre field site, including a test measuring the compression of the field found it was too firm to play on safely. Our scope included surveying and investigating site conditions and study of historical data to determine feasibility for repair or replacement. Ultimately, the City decided to replace the fields through the design-build methodology.





Owner:

Oakland Zoo

General Contractor:

Overaa

Project Cost:

\$70 million

Reference:

Howard Fuchs
Construction Manager
1200 Mt. Diablo Blvd,
Suite 319
Walnut Creek, CA 94596
(510) 207-7694

California Trail Exhibit – Oakland Zoo

Oakland, California

Geotechnical,



The 20 acre exhibit features 15 structures, including a Visitor Center and restaurant, are being built within the 61 acre site. A gondola carries zoo patrons from the Main Zoo up the ridge to the Visitor Center and restaurant, as well as a gondola that carries visitors to the Center A camping area with platform tents – is being constructed.

Smith-Emery performed geotechnical investigations for the proposed park prior to construction. The site is on a hilly terrain, so we also performed slope stability analysis, as well as soil borings, cone penetration tests, rock coring. The design also included retaining walls. During construction, we performed geotechnical services for the structures, including the gondola, soils investigations and testing.





Adobe Creek Bridge – Mitchell Park

Palo Alto, California

Geotechnical,



Owner:

City of Santa Cruz

General Contractor:

Not Available

Project Cost:

\$200,000

Saul Flores
City of Palo Alto
(Consultant)
650/862-3131



Due to the advanced age of the bridge, high traffic of children who use the bridge to travel to and from school, foot traffic generated by the Magical Bridge Playground and limited walkway width, the City needed to replace the Adobe Creek Bridge in Mitchell Park. As part of the Magical Bridge Playground, the pathways on either side of the existing bridge were upgraded for accessibility purposes and increased to a width of 10'. Replacing the bridge with a new structure allowed this same path width to extend across the bridge.

Smith-Emery performed a geotechnical investigation that exploration of subsurface conditions at the site to determine the soil, rock, and groundwater profile and produce conclusions and recommendations for design and construction of the project based on the geotechnical design parameters developed in our study. We performed fieldwork with exploratory borings to extract samples for testing at the geotechnical laboratory for moisture content and density determinations, shear strength, unconfined compressive strength, plasticity indices, and other tests as appropriate. A final report was issued to the City.



**Education:**

M.S. Geotechnical
Engineering, World Open
University, South Dakota

B.S. Civil Engineering,
University of The
Philippines

Professional Registration:

Professional Civil Engineer
#26009

Professional Geotechnical
Engineer #239

Certifications:

ASCE, ASTM, and ICC

Credential to Teach
Surveying, State of
California

Artedi Cortez, PE, GE

Project Engineer/Geotechnical Engineer

Mr. Cortez has over 40 years of geotechnical experience, of which over 30 has been related to geotechnical engineering. Throughout his career, his various duties include project management and senior geotechnical engineering duties of all geotechnical projects. Senior geotechnical engineer and project management responsibilities include supervision and engineering of all geotechnical engineering assessments and related projects performed at Smith-Emery Laboratories.

Burbank Airport Intermodal Transportation Center

Disneyland – on-call various projects

Knotts Berry Farm

UCLA – various projects

USC – expansion projects

**Education:**

B.S., Civil Engineering,
CSU, Los Angeles, CA

Professional Registration:

Registered Civil Engineer
#C68166

City of Los Angeles
Registered Grading Deputy
Inspector #P008158

Certifications:

HAZWOPER - 40 Hour
Trained

Simon Bittar, PE

Project Engineer

Mr. Bittar has performed hundreds of geotechnical investigations over the past 20 years. Mr. Bittar handles the project management duties of many of the geotechnical investigation as well as overseeing and providing technical guidance to soil technicians; recommendations, preparation of geotechnical engineering reports and compaction reports; as well as provides geotechnical construction observations and inspections during the grading operations and construction phase of various projects.

Selected Project Experience

Fox Studios, Century City Area of the City of Los Angeles, CA. Prepared Geotechnical investigation report for the proposed construction of a three-story building over five-story subterranean parking structure.

Fox Studios, Century City Area of the City of Los Angeles, CA. Performed a geotechnical investigation for Building 310 (Grib Building) with full subterranean parking.

Fox Studios, Century City Area of the City of Los Angeles, CA. Prepared Geotechnical observation during the construction of the office building on lot "B". The building consisted of two- to three-story structure over three levels of subterranean parking.

Opus West, Broadstone Project, in the Down Town Area of the City of Los Angeles, Provided geotechnical observation during the construction of the four- to-five story apartment building over one- to two-levels of subterranean parking

Opus West Project, Proposed Camarillo Business Park (14 Structures), City of Camarillo, Ventura County, CA. Prepared geotechnical investigation report for the proposed construction of fourteen (14) commercial structures on grade. .

Global Premier, Bay Apartment Project, Moreno Valley, CA. Provided geotechnical observation and project management during the construction of the four apartment buildings on grade.

Princeton Loft (Two-story), Marina Del Rey, CA. Prepared Geotechnical Investigation report prior to converting a 23,000 sq. ft. warehouse building into a residential lofts structure.

**Academic Background:**

B.A. Geology, Humboldt
State University, 1987

Professional Registration:

CA Professional Geologist
No. 7174

CA Certified Engineering
Geologist No. 2643

Certifications:

Nuclear Density Gauge
and Radiation Safety
Officer Trained

OSHA 40 hour Hazardous
Waste Operations /
Emergency Response
Training

Patrick Morrison, PG, CEG

Project Manager/Geologist

Mr. Morrison has over 30 years of professional experience in special inspection, material testing, rail construction, geotechnical engineering and environmental fields and 28 years working at Smith-Emery. Mr. Morrison is responsible for management of Smith-Emery San Francisco's GeoServices Division consisting of a staff of 20 inspectors and geotechnical/environmental professionals. Project responsibilities encompass project management for testing and inspection on major infrastructure projects, environmental site characterizations, fault hazard studies, slope stability analysis, geologic mapping, grading and paving inspection and footing/pier inspections. Active in project oversight for earthwork and paving inspection and testing, as well as special inspections on projects throughout the Bay Area, review of field and laboratory data for conformance to project specifications, and presentation and communication of data to clients and regulatory agencies.

Selected Project Experience

Kasier Redwood City Hospital Replacement, Redwood City

California High Speed Rail, Construction Packages 2 & 3, Selma, CA

Presidio Parkway, San Francisco, CA

Facebook (various projects), Menlo Park Campus

SFOBB Self-Anchored Suspension (SAS) Bridge, Oakland

Clearview Campus, San Mateo

Stanford University, Redwood City Campus

Juniper Networks, Sunnyvale

Hitachi Storage Center, San Mateo

Genesis Campus, South San Francisco

Dolby Laboratories, San Francisco

Commonwealth Corporate Campus, Menlo Park

City of Redwood City Geotech and Soils Engineering on-call, Redwood City

SFPUC Crystal Springs Bypass Tunnel, San Mateo County

Devil's Slide Tunnel, Pacifica/Moss Beach

Highway 238/880 Improvements, Hayward

BART North Oakland Aerial Structure Seismic Retrofit, Oakland

BART SFO Extension, San Mateo County

Port of Oakland 50-foot Deep Water Turning Basin



Education

University of Pittsburgh
B.S. Civil Engineering

Certifications

Registered
Professional
Engineer, Civil (CA)
#: C62632

ASNT NDT Level III

Certification #: 15090
Magnetic Particle
Testing

- Liquid Penetrant Testing
- Radiographic Testing
- Ultrasonic Testing

International Code
Council (ICC) Structural
Steel and Welding
Inspector (legacy)

- Structural Steel and Bolting Inspector
- Structural Welding Inspector

R. Theodore Peet, PE

Contract Manager

Mr. Peet is a multi-certified Registered Civil Engineer, with over 40 years of experience in the construction industry. In addition to being a registered civil engineer, Mr. Peet is also a ASNT Level III and a legacy ICC certified steel and welding inspector. He is a valued member of our Engineer team and has worked with Smith-Emery since 1997. He excels as a designated Project Engineer and is as asset to any project team that he is assigned to.

SELECTED PROJECT EXPERIENCE

Los Angeles Natural History Museum

Hollywood Park Casino and Parking Structure

Inglewood Football Stadium and Entertainment District

LAFC Practice Facility, Los Angeles

LAFC Stadium Project, Los Angeles

Los Angeles Memorial Coliseum

The Broad Museum, Los Angeles

Santa Monica Civic Center Parking Structure, Santa Monica

USC The Village, Los Angeles

USC Broad Center, Los Angeles

Regional Intermodal Transportation Center, Burbank Airport

- Fullerton Transportation Center & Parking Structure

Staples Center, Los Angeles

LA Live!, Los Angeles

The Hotel and Residence at L.A. Live, Los Angeles

- Los Angeles Federal Courthouse, Los Angeles

- Loma Linda Hospital Remodel and Expansion, Loma Linda

**Education:**

Bachelor of Science (B.S.)
in Civil Engineering –
California State
Polytechnic University,
Pomona

Professional Registration:

Registered Civil Engineer #
C84142

Certifications:

Nuclear Gauge Certified
Certified Erosion,
Sediment and Storm
Water Inspector –
Certificate # 2725

Qualified Storm
Water Pollution
Prevention Plan
(SWPPP)
Practitioner –
Certificate #
22732

Robert Rineer, PE, QSP

Project Engineer

Mr. Rineer is a Registered Civil Engineer, with 16 years of experience in the construction industry and 10 years of experience in our engineering department. His duties include, but are not limited to: oversight, reporting and recommendations as they pertain to geotechnical investigations, project closeout reports, review of laboratory testing reports and overseeing general laboratory operations for our Orange County division. Robert is a valued member of our Engineer team and has worked with Smith-Emery since 2007.

Selected Project Experience

8th Street Water Line – Irvine, California
Patterson Way Pavement Investigation – Fullerton, California
California State Polytechnic University, Pomona / Student Services Building – Pomona, California
Loma Linda University Medical Center – Loma Linda, California
Orange County Great Park, Sports Park – Irvine, California
Rolling Hills Investigation – Fullerton, California
State College Boulevard Pavement and Subgrade Investigation – Fullerton, California
Olive Storm Drain Project, Pavement and Subgrade Investigation – Fullerton, California
Balfour Avenue Storm Drain, Limited Pavement and Subgrade Investigation – Fullerton, California
618 N. Beverly Drive – Beverly Hills, California
Carnegie Medical Plaza Moisture Investigation – Corona, California
Google Building #21, Limited Structural Investigation – Playa Vista, California
Blandwood Sewer Lift Station Replacement Project, Limited Geotechnical Investigation – Fullerton, California
OCPC Broadcom, Irvine Campus – Irvine, California
Disney Glendale Pavement Investigation – Glendale, California
The Current Apartments – Long Beach, California
The Source OC – Buena Park, California
City of Garden Grove, Brookhurst Street Rehabilitation – Garden Grove, California
City of Fullerton, Elm and Malden Area Sewer and Street Improvement – Fullerton, California
Orange County Great Park, Palm Court – Irvine, California
City of Fullerton, Muckenthaler Mansion – Fullerton, California
Port of Long Beach, Oxy Wells Removal – Long Beach, California
Port of Long Beach, Piers "E," "F," "G," and "T" – Long Beach, California



Robert Greeley

Field Supervisor

Mr. Greeley is a valued member of our management team and has worked with Smith-Emery since 1978. Robert has extensive experience in managing public works and private sector projects and is familiar their various requirements. He assumes the role of project manager for the majority of Smith-Emery Laboratories projects. He is very knowledgeable, proficient technicians, as well as an accomplished field supervisor.

Certifications:

American Concrete
Institute Field Testing
Technician – Grade I
Certification, 00119750,

International Code Council
– Certification No.:
8408785, Soils Special
Inspector

Caltrans Certified: Soils,
Asphalt, Concrete (2016)

City of Irvine
Concrete Certification
Asphalt Certification

National Highway Institute
– Certificate in HMA
Paving Field Inspection

FHWA-NHI-131129
CED Engineering Soil
Mechanics: Certificate
Classification of Soils-CN:
G04-002

Nuclear Gauge
Certification ID# 1979

Certified Radiation Safety
Officer ID# 1166

Selected Project Experience

Inglewood Stadium (Rams), Los Angeles
Disney Company – Disneyland Park On-Call
Los Angeles Football Club Stadium
Staples Center, Los Angeles
Anaheim Angels Stadium
Honda Center (Anaheim Ducks)
California State Polytechnic University, Pomona / Student Services
Building
Loma Linda University Medical Center
Orange County Great Park, Sports Park
OCPC Broadcom, Irvine Campus
OCPC Broadcom, Campus Bridges
Hyundai Motor Company, Corporate Headquarters
Burbank Airport Expansion
Westminster Unified School District
City of Downey, Various CIP Project
City of Garden Grove, Various CIP Projects
City of Fullerton, Various CIP Projects
City of Orange, Various CIP Projects
Port of Long Beach, Oxy Wells Removal-Gerald Desmond Bridge
Port of Long Beach, Piers "E," "F," "G," and "T"
Griffin Structures, Fullerton Community Center
Long Beach Airport, Air Carrier Ramp, Taxiway G
Transportation Center Parking Expansion
International Polytechnic High School
Orange County Sanitation District Plant Expansion
California State University, Fullerton / Student Housing
Orange County Water District, Various Projects



REQUIRED FORMS





6.3 Required Forms

6.3.1 Certification of Proposal

RFQ #: 20-01

The undersigned hereby submits its proposal and agrees to be bound by the terms and conditions of this Request for Proposal (RFQ).

1. Proposer declares and warrants that no elected or appointed official, officer or employee of the City has been or shall be compensated, directly or indirectly, in connection with this proposal or any work connected with this proposal. Should any agreement be approved in connection with this Request for Proposal, Proposer declares and warrants that no elected or appointed official, officer or employee of the City, during the term of his/her service with the City shall have any direct interest in that agreement, or obtain any present, anticipated or future material benefit arising therefrom.
2. By submitting the response to this request, Proposer agrees, if selected to furnish services to the City in accordance with this RFQ.
3. Proposer has carefully reviewed its proposal and understands and agrees that the City is not responsible for any errors or omissions on the part of the Proposer and that the Proposer is responsible for them.
4. It is understood and agreed that the City reserves the right to accept or reject any or all proposals and to waive any informality or irregularity in any proposal received by the City.
5. The proposal response includes all of the commentary, figures and data required by the Request for Proposal
6. The proposal shall be valid for 90 days from the date of submittal.
7. Proposer acknowledges that the City may issue addendums related to this RFQ and that the proposer has reviewed the following addendums which have been issued:

Addendum: _____

Addendum: _____

Addendum: _____

Addendum: _____

8. Proposer further acknowledges the provisions of any addendums issued have been incorporated into their proposal.

Signature of Authorized Representative:



Printed Name and Title:

William Partridge, Vice President

6.3.2 Non-Collusion AffidavitRFQ #: 20-01

The undersigned declares states and certifies that:

1. This proposal is not made in the interest of or on behalf of any undisclosed person, partnership, company, association, organization or corporation.
2. This proposal is genuine and not collusive or sham.
3. I have not directly or indirectly induced or solicited any other Proposer to put in a false or sham proposal and I have not directly or indirectly colluded, conspired, connived, or agreed with any other Proposer or anyone else to put in a sham proposal or to refrain from submitting to this RFQ.
4. I have not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the proposal price or to fix any overhead, profit or cost element of the proposal price or to secure any advantage against the City of Hermosa Beach or of anyone interested in the proposed contract.
5. All statements contained in the Proposal and related documents are true.
6. I have not directly or indirectly submitted the proposal price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any person, corporation, partnership, company, association, organization, RFQ depository, or to any member or agent thereof, to effectuate a collusive or sham proposal.
7. I have not entered into any arrangement or agreement with any City of Hermosa Beach public officer in connection with this proposal.
8. I understand collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards.

Signature of Authorized Representative:

A handwritten signature in blue ink that reads 'William S. Partridge'.

Printed Name and Title:

William Partridge, Vice President



6.3.3 Compliance with Insurance Requirements

RFQ #: 20-01

The selected consultant will be expected to comply with the City's insurance requirements contained within this RFQ.

The undersigned declares states and certifies that:

1. Proposer agrees, acknowledges and is fully aware of the insurance requirements as specified in the Request for Proposal.
2. If selected, proposer agrees to accept all conditions and requirements as contained therein.

Signature of Authorized Representative:

William E. Partridge

Printed Name and Title:

William Partridge, Vice President

6.3.4 Acknowledgement of Professional Services AgreementRFQ #: 20-01

The selected consultant will be expected to comply with and sign the City's Professional Services Agreement. Proposers should identify and/or indicate any exceptions to the Sample Professional Services Agreement included in Section 6.2. The City Attorney or their designee retains the discretion to accept or reject proposed exceptions or modifications to the City's Professional Services Agreement.

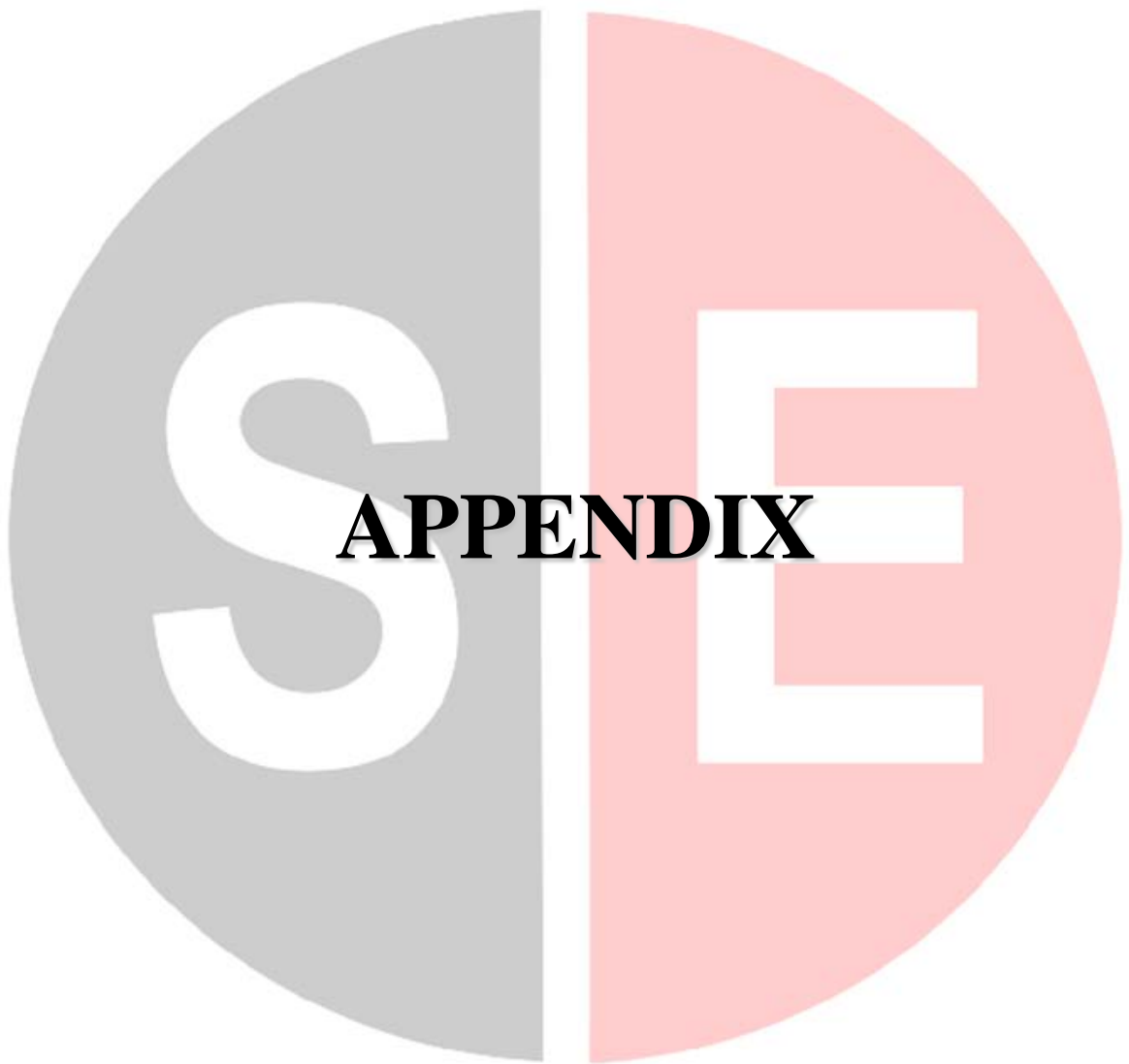
1. Proposer agrees, acknowledges and is fully aware of the conditions specified in the City's Sample Professional Services Agreement.
2. Proposer agrees to accept all conditions and requirements as contained therein with exceptions noted as follows:

Signature of Authorized Representative:

A handwritten signature in blue ink that reads "William E. Partridge".

Printed Name and Title:

William Partridge, Vice President





INTERNATIONAL
ACCREDITATION
SERVICE®



SCOPE OF ACCREDITATION

IAS Accreditation Number	TL-191
Company Name	Smith-Emery Laboratories, Inc.
Address	781 E. Washington Blvd., Los Angeles, CA 90021
Contact Name	Praful P. Patel, Ph.D., P.E. Quality Manager
Telephone	(213) 749-3411
Effective Date of Scope	April 27, 2017
Accreditation Standard	ISO/IEC 17025:2005

CMT

ASTM C39/C39M	Standard test method for compressive strength of cylindrical concrete specimens
ASTM C138/C138M	Standard test method for density (unit weight), yield, and air content (gravimetric) of concrete
ASTM C140/C140M	Standard test methods for sampling and testing concrete masonry units and related units
ASTM C143/C143M	Standard test method for slump of hydraulic-cement concrete
ASTM C511	Standard specification for mixing room, moist cabinets, moist rooms, and water storage tanks used in the testing of hydraulic cements and concretes
ASTM C617/C617M	Standard practice for capping cylindrical concrete

Specimens

ICC ES AC87	Mortar containing admixtures (test methods referenced in section 3.0)
ICC ES AC155	Hold-downs (tie-downs) attached to wood members (test methods referenced in sections 3.0 and 4.0)
ICC ES AC170	Shear reinforcement devices in structural concrete (test methods referenced in section 3.0)
ICC ES AC347	Headed deformed bars (test methods referenced in sections 3.0 and 4.0)
ICC ES AC362	Adhesives for masonry construction (test methods referenced in sections 3.0 and 4.0 (excluding sections 4.5, 4.7 and 4.10)
UBC 18-1	Soils classification



SCOPE OF ACCREDITATION

IAS Accreditation Number	SIA-381
Company Name	Smith-Emery Laboratories, Inc.
Address	781 East Washington Blvd. Los Angeles, CA 90021
Contact Name	William Partridge R. Theodore Peet, P.E.
Telephone	(213) 749-3411
Effective Date of Scope	September 7, 2018
Accreditation Standard	ISO/IEC 17020:2012, Type-A

Section 5 of AC291 is replaced by WABO Special Inspection Agency and Inspection Performance Qualification Standard 1701, 12th Edition under WABO Special Inspection Registration Program (SIRP).

FIELD AND TYPES OF INSPECTION	INSPECTION PROCEDURES AND REFERENCE DOCUMENTS
Management System Documentation For Special Inspections dated July 3, 2018, for 2015 IBC including Washington State Building Code, Chapter 51-50 WAC and WABO Special Inspection Agency and Inspection Performance Qualification Standard 1701(12th Edition)	
Structural Steel Welding - Structural Steel, Cold-form Steel, Reinforcing Steel	IBC 1705.2, 1705.11 and 1705.12 AWS D1.1, D1.3, D1.4 and D 1.8 WABO 1701 and 8.2.2
Nondestructive Testing: UT, MT, PT and VT	ASTM E164, E165, E453 (Only for UT, MT and PT), E709 and E543
High-strength bolting	IBC 1704.3.3 & Table 1704.391,2,3 & 6 and ASTM A325 and A490 WABO 1701 and 8.2.2



SCOPE OF ACCREDITATION

UBC 18-2

Expansion index test

Physical

ASTM C482

Standard test method for bond strength of ceramic tile to Portland cement paste

ASTM D570

Standard test method for water absorption of plastics

ASTM D638

Standard test method for tensile properties of plastics

ASTM D695

Standard test method for compressive properties of rigid plastics

ASTM D790

Standard test methods for flexural properties of unreinforced and reinforced plastics and electrical insulating materials

ASTM D882

Standard test method for tensile properties of thin plastic sheeting

ASTM D2240

Standard test method for rubber property—durometer hardness

ASTM D3039/D3039M

Standard test method for tensile properties of polymer matrix composite materials

ASTM D4541

Standard test method for pull-off strength of coatings using portable adhesion testers

ASTM E2126

Standard test methods for cyclic (reversed) load test for shear resistance of vertical elements of the lateral force resisting systems for buildings

ICC ES AC191

Metal plaster bases (lath) (test methods referenced in sections 3.0 and 4.0)

FM 1950

Seismic sway braces for pipe, tubing and conduit (section 4.2 – cyclic testing (component testing) and section 4.3 – cyclic tests (assembly testing))

Structural

ASCE 19-96

Standard guidelines for the structural applications of steel cables for buildings

ASTM A370

Standard test methods and definitions for mechanical testing of steel products

ASTM A416/A416M

Standard specification for low-relaxation, seven-wire steel strand for prestressed concrete

ASTM A615/A615M

Standard specification for deformed and plain carbon-steel bars for concrete reinforcement



SCOPE OF ACCREDITATION

ASTM A970/A970M	Standard specification for headed steel bars for concrete reinforcement
ASTM A1034/A1034M	Standard test methods for testing mechanical splices for steel reinforcing bars
ASTM C627	Standard test method for evaluating ceramic floor tile installation systems using the Robinson-type floor tester
ASTM E18	Standard test methods for Rockwell hardness of metallic materials
ASTM E72	Standard test methods of conducting strength tests of panels for building construction
ASTM E330/E330M	Standard test method for structural performance of exterior windows, doors, skylights and curtain walls by uniform static air pressure difference
ASTM E331	Standard test method for water penetration of exterior windows, skylights, doors, and curtain walls by uniform static air pressure difference
ASTM E455	Standard test method for static load testing of framed floor or roof diaphragm constructions for buildings
ASTM E564	Standard practice for static load test for shear resistance of framed walls for buildings
California Test 670	Method of test for mechanical and welded reinforcing steel splices
ICC ES AC16	Plastic glazed skylights (test methods referenced in sections A3.0 and A4.0)
ICC ES AC43	Steel deck roof and floor systems (test methods referenced in section 4)
ICC ES AC129	Steel moment frame connection systems (test methods referenced in section 4.0) load limited to 500 kips))
ICC ES AC133	Mechanical splice systems for steel reinforcing bars (test methods referenced in sections 3.0 and 4.0 of (excluding annex 4.0))
ICC ES AC230	Power-actuated fasteners for shear wall assemblies constructed with cold-formed steel framing and wood structural panels (test methods referenced in section 3.0)
ICC ES AC276	Segmental retaining walls (test methods referenced in section 3.2 and 3.3)



SCOPE OF ACCREDITATION

ICC ES AC390

Wall panels with a welded steel perimeter frame used in agricultural storage structures (test methods referenced in section 3.5)

ASCE: American Society of Civil Engineers FM: Factory Mutual

UBC: Uniform Building Code



INTERNATIONAL
ACCREDITATION
SERVICE®

CERTIFICATE OF ACCREDITATION

This is to attest that

SMITH-EMERY LABORATORIES, INC.

781 EAST WASHINGTON BOULEVARD
LOS ANGELES, CALIFORNIA 90021

Inspection Agency AA-554
Type A (Third-Party) Inspection Body

has met the requirements of the IAS Accreditation Criteria for Inspection Agencies (AC98), has demonstrated compliance with ISO/IEC Standard 17020:2012, *Conformity assessment - Requirements for the operation of various types of bodies performing inspection*, and has been accredited, commencing May 13, 2016, to provide inspection services in the approved scope of accreditation.

(See attached scope of accreditation for field(s) of inspection, including type, range, methods or procedures.)

This accreditation certificate supersedes any IAS accreditation bearing an earlier effective date. The certificate becomes invalid upon suspension, cancellation or revocation of accreditation.

See <http://iasonline.org/More/search.html> for current accreditation information, or contact IAS at 562-364-8201.



C.P. Ramani, P.E., C.B.O
President



SCOPE OF ACCREDITATION

IAS Accreditation Number	AA-554
Accredited Entity	Smith-Emery Laboratories, Inc.
Address	781 E. Washington Blvd. Los Angeles, CA 90021
Contact Name	Praful Patel
Telephone	(213) 749-3441
Effective Date of Scope	May 13, 2016

FIELDS OF INSPECTIONS	TYPE AND RANGE OF INSPECTIONS	INSPECTION METHODS AND PROCEDURES
Precast Structural Concrete	In-plant	Section 6.0 of Quality Manual Audit Procedures; Quality Assurance Audit Checklist dated 09/20/05
Prestressed Concrete	In-plant	Section 6.0 of Quality Manual Audit Procedures; Quality Assurance Audit Checklist dated 09/20/05
Structural Steel Fabrication	In-plant	Section 6.0 of Quality Manual Audit Procedures; Quality Assurance Audit Checklist dated 09/20/05 and IAS Accreditation Criteria AC172
Metal Building Manufacturing	In-plant	Section 6.0 of Quality Manual Audit Procedures; June 3, 2008; Quality Assurance Audit Checklist and IAS Accreditation Criteria AC472, Parts A, B and C
Spa Shells	In-plant	Section 6.0 of Quality Manual Audit Procedures; Quality Assurance Audit Checklist dated 09/20/05
Manufacturing in fields specified above	Qualification and Follow-up In-plant	ICC-ES Acceptance Criteria AC304

American Association of State Highway and Transportation Officials

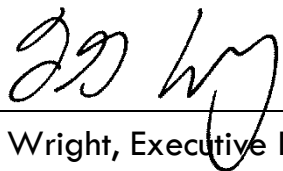
AASHTO Accreditation Program Certificate of Accreditation

This is to signify that

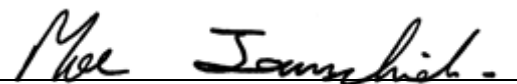
Smith-Emery Laboratories
in
Los Angeles, California

has demonstrated proficiency for the testing of construction materials and
has conformed to the minimum requirements established in AASHTO R 18
set forth by the AASHTO Highway Subcommittee on Materials (HSOM).

The scope of accreditation can be viewed on the
AAP Directory of Accredited Laboratories on www.amrl.net.



Bud Wright, Executive Director



Moe Jamshidi, AASHTO HSOM Chair



Smith-Emery Laboratories

Los Angeles, California USA

Account #: 5008

[Hide/Expand Details](#)

AASHTO Accreditation Details



Your Quality Analyst is Amy Ridenour. Please [contact us](#) with any accreditation questions.

Quality Management System - accredited since 4/2/2004

R18, C1077 (Aggregate), C1093 (Masonry), E329 (Aggregate)

Soil - accredited since 7/26/2004

D421, D422, D698, D854, D1140, D1557, D1883, D2166, D2216, D2419, D2435, D2487, D3080, D4318, D4829

Aggregate - accredited since 4/2/2004

C29, C40, C88, C117, C127, C128, C131, C136, C142, C535, C566, C702, D75, D2419, D3744

Concrete - accredited since 4/2/2004

C39, C78, C511, C617 (7000 psi and below)

Masonry - accredited since 6/12/2006

C67 (Brick: Absorption)

C67 (Brick: Capping)

C67 (Brick: Compressive Strength)

C67 (Brick: Initial Rate of Absorption)

C67 (Brick: Measurement)

C67 (Brick: Specimen Preparation)

C140 (CMU: Absorption)

C140 (CMU: Compressive Strength)

C140 (CMU: Measurement)

C140 (CMU: Sampling)

C511 (Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes)

C780 (Annex 6) (Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry -

Compressive Strength)

C1019 (Sampling and Testing Grout)

C1552 (Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing)

+++ Our accreditation directory listing for this standard is in the process of being divided into three separate components: ultimate tensile strength, elongation, and yield strength. Changes will be made on each applicable laboratory's accreditation directory listing to reflect this change after we complete the next normally scheduled on-site assessment.

Iron and Steel - accredited since 4/7/2008

A563-E18 (Internally Threaded Fasteners (Nuts): Rockwell Hardness)

A563-F606 (Internally Threaded Fasteners (Nuts): Proof Load Determination)

A615-A370 (Carbon-Steel Bars, Deformed and Plain: Tension (Elongation))

A615-A370 (Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength))

A615-A370 (Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength))

A615-E290 (Carbon-Steel Bars, Deformed and Plain: Bend Test)

A706-A370 (Low Alloy Steel Bars, Deformed and Plain: Tension (Elongation))

A706-A370 (Low Alloy Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength))

A706-A370 (Low Alloy Steel Bars, Deformed and Plain: Tension (Yield Strength))

A706-E290 (Low Alloy Steel Bars, Deformed and Plain: Bend Test)

F3125-E18 (Externally Threaded Fasteners (Bolts): Rockwell Hardness)

F3125-F606 (Externally Threaded Fasteners (Bolts): Proof Load Determination)

F3125-F606 (Externally Threaded Fasteners (Bolts): Ultimate Tensile Strength)

**LIST OF ACCREDITED MATERIAL TESTS****1. AASHTO****Discipline****Standard****Description****SOIL**

ASTMD 421	Standard Practice for Dry Preparation of Soil Samples for Particle-Size Analysis and Determination of Soil Constants
ASTM D 422	Standard Test Method for Particle-Size Analysis of Soils
ASTM D 698	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12 400 ft-lbf/ft ³ (600 kN-m/m ³))
ASTM D 854	Standard Test Methods for Specific Gravity of Soil Solids by Water Pycnometer
ASTM D 1140	Standard Test Methods for Amount of Material in Soils Finer than No. 200 (75- μ m) Sieve
ASTM D 1557	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft ³ (2,700 kN-m/m ³))
ASTM D 1883	Standard Test Method for CBR (California Bearing Ratio) of Laboratory-Compacted Soils
ASTM D 2166	Standard Test Method for Unconfined Compressive Strength of Cohesive Soil
ASTM D 2216	Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
ASTM D 2419	Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate
ASTM D 2435	Standard Test Methods for One-Dimensional Consolidation Properties of Soils Using Incremental Loading
ASTM D 2487	Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)
ASTM D 3080	Standard Test Method for Direct Shear Test of Soils Under Consolidated Drained Conditions
ASTM D 4318	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils

**Continued - AASHTO**

<u>Discipline</u>	<u>Standard</u>	<u>Description</u>
AGGREGATE	ASTM D 4318	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils
	ASTM D 4643	Standard Test Method for Determination of Water (Moisture) Content of Soil by Microwave Oven Heating
	ASTM D 4829	Standard Test Method for Expansion Index of Soils
	ASTM C 29	Standard Test Method for Bulk Density (Unit Weight) and Voids in Aggregate
	ASTM C 40	Standard Test Method for Organic Impurities in Fine Aggregates for Concrete
	ASTM C 88	Standard Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate
	ASTM C 117	Standard Test Method for Materials Finer than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing
	ASTM C 127	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate
	ASTM C 128	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate
	ASTM C 131	Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
	ASTM C 136	Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates
	ASTM C 535	Standard Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
	ASTM C 566	Standard Test Method for Total Evaporable Moisture Content of Aggregate by Drying
	ASTM C 702	Standard Practice for Reducing Samples of Aggregate to Testing Size
	ASTM D 75	Standard Practice for Sampling Aggregates
	ASTM D 2419	Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate
	ASTM D 3744	Standard Test Method for Aggregate Durability Index

**Continued - AASHTO****PORTLAND CEMENT CONCRETE**

ASTM C 39	Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens
ASTM C 78	Standard Test Method for Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)
ASTM C 293	Standard Test Method for Flexural Strength of Concrete (Using Simple Beam With Center-Point Loading)
ASTM C 617	Standard Practice for Capping Cylindrical Concrete Specimens
ASTM C 1064	Standard Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete
ASTM C 1231	Standard Practice for Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders

MASONRY

ASTM C 67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile
ASTM C 140	Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units
ASTM C 780	Standard Test Method for Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry

Discipline**Standard****Description**

ASTM C 1019	Standard Test Method for Sampling and Testing Grout
ASTM C 1552	Standard Practice for Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing

METALS

ASTM A 325	Standard Specification for Structural Bolts, Steel, Heat Treated, 120/105 ksi Minimum Tensile Strength
ASTM A 615- A 370	Carbon-Steel Bars, Deformed and Plain: Tensile Strength
ASTM A 615- E 290	Carbon-Steel Bars, Deformed and Plain: Bend Test

**2. US ARMY CORP - DEPARTMENT ARMY**

<u>Discipline</u>	<u>Standard</u>	<u>Description</u>
AGGREGATE	ASTM C 40	Standard Test Method for Organic Impurities in Fine Aggregates for Concrete
	ASTM C 117	Standard Test Method for Materials Finer than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing
	ASTM C 127	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate
	ASTM C 128	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate
	ASTM C 136	Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates
	ASTM C 29	Standard Test Method for Bulk Density (Unit Weight) and Voids in Aggregate
	ASTM C 88	Standard Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate
	ASTM C 131	Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
	ASTM C 535	Standard Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
	ASTM C 566	Standard Test Method for Total Evaporable Moisture Content of Aggregate by Drying
	ASTM C 702	Standard Practice for Reducing Samples of Aggregate to Testing Size
	ASTM D 75	Standard Practice for Sampling Aggregates
	ASTM D 2419	Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate
CONCRETE	ASTM D 3744	Standard Test Method for Aggregate Durability Index
	ASTM C 31	Standard Practice for Making and Curing Concrete Test Specimens in the Field
	ASTM C 39	Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

**Continued - US Army Corp**

<u>Discipline</u>	<u>Standard</u>	<u>Description</u>
	ASTM C 138	Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete
	ASTM C 143	Standard Test Method for Slump of Hydraulic-Cement Concrete
	ASTM C 172	Standard Practice for Sampling Freshly Mixed Concrete
	ASTM C 173	Standard Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method
	ASTM C 231	Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method
	ASTM C 1064	Standard Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete
	ASTM C 78	Standard Test Method for Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)
	ASTM C 293	Standard Test Method for Flexural Strength of Concrete (Using Simple Beam With Center-Point Loading)
	ASTM C 617	Standard Practice for Capping Cylindrical Concrete Specimens
	ASTM C 1077	Standard Practice for Agencies Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Testing Agency Evaluation
	ASTM C 1231	Standard Practice for Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders
	ASTM E 329	Standard Test Method for Specific Gravity of Fired Ceramic Whiteware Materials

MASONRY, MORTAR, & GROUT TESTS

ASTM C 67	Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile
ASTM C 140	Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units
ASTM C 780	Standard Test Method for Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry
ASTM C 1093	Standard Practice for Accreditation of Testing Agencies for Masonry
ASTM C 1019	Standard Test Method for Sampling and Testing Grout

**Continued - US Army Corp**

<u>Discipline</u>	<u>Standard</u>	<u>Description</u>
	ASTM C 1552	Standard Practice for Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing
METAL		
	ASTM A 325	Standard Specification for Structural Bolts, Steel, Heat Treated, 120/105 ksi Minimum Tensile Strength
	ASTM A 370	Standard Test Methods and Definitions for Mechanical Testing of Steel Products
	ASTM A 615	Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement
	ASTM A 706	Standard Specification for Low-Alloy Steel Deformed and Plain Bars for Concrete Reinforcement
	ASTM F 606	Standard Specification for Steel, Sheet and Strip, High-Strength, Low-Alloy, Hot-Rolled and Cold-Rolled, with Improved Atmospheric Corrosion Resistance
SOIL		
	ASTM D 421	Standard Practice for Dry Preparation of Soil Samples for Particle-Size Analysis and Determination of Soil Constants
	ASTM D 422	Standard Test Method for Particle-Size Analysis of Soils
	ASTM D 698	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12 400 ft-lbf/ft ³ (600 kN-m/m ³))
	ASTM D 854	Standard Test Methods for Specific Gravity of Soil Solids by Water Pycnometer
	ASTM D 1140	Standard Test Methods for Amount of Material in Soils Finer than No. 200 (75- μ m) Sieve
	ASTM D 1557	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft ³ (2,700 kN-m/m ³))
	ASTM D 1883	Standard Test Method for CBR (California Bearing Ratio) of Laboratory-Compacted Soils
	ASTM D 2166	Standard Test Method for Unconfined Compressive Strength of Cohesive Soil
	ASTM D 2216	Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass

**Continued - US Army Corp**

<u>Discipline</u>	<u>Standard</u>	<u>Description</u>
	ASTM D 2419	Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate
	ASTM D 2435	Standard Test Methods for One-Dimensional Consolidation Properties of Soils Using Incremental Loading
	ASTM D 2487	Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)
	ASTM D 3080	Standard Test Method for Direct Shear Test of Soils Under Consolidated Drained Conditions
	ASTM D 3740	Standard Practice for Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction
	ASTM D 4318	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils
	ASTM D 4643	Standard Test Method for Determination of Water (Moisture) Content of Soil by Microwave Oven Heating
	ASTM D 4829	Standard Test Method for Expansion Index of Soils
	ASTM E 329	Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection



2. CALTRANS

<u>Discipline</u>	<u>Standard</u>	<u>Description</u>
	CTM 105	Calculations Pertaining to Gradings and Specific Gravities
	CTM 214	Method of Test for the Soundness of Aggregates by Use of Sodium Sulfate
	CTM 523	Method of Test for Flexural Strength of Concrete
	CTM 201	Method of Test for Soil Aggregate Sample Preparation
	CTM 217	Method of Test for Sand Equivalent
	CTM 539	Method of Test for Sampling Fresh Concrete
	CTM 202	Method of Tests for Sieve Analysis of Fine and Coarse Aggregates
	CTM 227	Method of Test for Evaluating Cleanness of Coarse Aggregate
	CTM 204	Method of Tests for Liquid Limit, Plastic Limit and Plasticity Index of Soils
	CTM 229	Method of Test for Durability Index
	CTM 211	Method of Test for Abrasion of Coarse Aggregate by Use of the Los Angeles Abrasion Testing Machine
	CTM 521	Method of Test for Compressive Strength of Molded Concrete Cylinders

**SMITH-EMERY LABORATORIES***An Independent Commercial Testing Laboratory*

781 E. Washington Boulevard - 2nd Floor Los Angeles, California 90021 ♦ (213) 745-5333 ♦ Fax (213) 749-7232

4. IAS

<u>Discipline</u>	<u>Standard</u>	<u>Description</u>
CONCRETE	ASTM C 39	Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens
	ASTM C 138	Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete
	ASTM C 143	Standard Test Method for Slump of Hydraulic-Cement Concrete
	ASTM C 511	Standard Specification for Mixing Rooms, Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the Testing of Hydraulic Cements and Concretes
	ASTM C 617	ASTM C617/C617M-12 Standard Practice for Capping Cylindrical Concrete Specimens Section 3.0 of ICC-ES Acceptance Criteria AC170
SOILS		UBC Standards 18-1 and 18-2
STRUCTURAL STEEL	ASTM A 370	Standard Test Methods and Definitions for Mechanical Testing of Steel Products
	ASTM A 416	Standard Specification for Steel Strand, Uncoated Seven-Wire for Prestressed Concrete
	ASTM A 615	Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement
	ASTM E 18	Standard Test Methods for Rockwell Hardness of Metallic Materials ^{1, 2}
STRUCTURAL TESTING OF PANELS	ASTM D 1761	Standard Test Methods for Mechanical Fasteners in Wood
	ASTM E 72	Standard Test Methods of Conducting Strength Tests of Panels for Building Construction
	ASTM E 564	Standard Practice for Static Load Test for Shear Resistance of Framed Walls for Buildings
MORTAR & ADMIXTURES		Test methods referenced in section 3.0 of ICC-ES Acceptance Criteria AC87

**Continued - IAS**

<u>Discipline</u>	<u>Standard</u>	<u>Description</u>
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STRUCTURAL TESTING OF SKYLIGHTS, WINDOW& CURTAIN WALLS

ASTM E 330	Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference
ASTM E 331	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference

STRUCTURAL TESTING OF FLOOR & ROOF DIAPHRAGMS

ASTM C 627	Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
ASTM E 455	Standard Test Method for Static Load Testing of Framed Floor or Roof Diaphragm Constructions for Buildings

PLASTICS

ASTM D 570	Standard Test Method for Water Absorption of Plastics
ASTM D 638	Standard Test Method for Tensile Properties of Plastics
ASTM D 695	Standard Test Method for Compressive Properties of Rigid Plastics
ASTM D 790	Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
ASTM D 882	Standard Test Method for Tensile Properties of Thin Plastic Sheeting
ASTM D 3039	Standard Test Method for Tensile Properties of Polymer Matrix Composite Materials

RUBBER

ASTM D 2240	Standard Test Method for Rubber Property Durometer Hardness
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PHYSICAL TESTING

ASTM C 482	Standard Test Method for Bond Strength of Ceramic Tile to Portland Cement Paste
ASTM D 4541	Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers

MASONRY

Test methods referenced in Sections 3.0 and 4.0 of ICC-ES Acceptance Criteria AC155 and Sections 3.0 and 4.0 of AC308 (excluding Sections 4.5, 4.7, and 4.10); ASTM Standard C 140



DEPARTMENT OF THE ARMY
ENGINEER RESEARCH AND DEVELOPMENT CENTER, CORPS OF ENGINEERS
GEOTECHNICAL AND STRUCTURES LABORATORY
WATERWAYS EXPERIMENT STATION, 3909 HALLS FERRY ROAD
VICKSBURG, MISSISSIPPI 39180-6199

August 14, 2017

Reply to the Attention of:
Concrete and Materials Branch

Praful Patel
Smith-Emery Laboratories
781 E. Washington Blvd.
Los Angeles, CA 90021

Dear Mr. Patel:

In reference to your check no. 143634, dated June 27, 2017, and audit agreement, dated June 26, 2017, an audit based on your AASHTO Accreditation was performed on documents submitted by your laboratory. We examined the AMRL On-site Assessment Report No. R22288 dated March 23, 2017, the CCRL Inspection Report No. N-348, dated March 30, 2016 and the AASHTO accreditation certificate effective August 14, 2017. Your Quality System meets the requirements of the U.S. Army Corps of Engineers. The material test methods that you are validated to perform for the U.S. Army Corps of Engineers were determined from the inspection reports from AASHTO and are as follows:

Aggregate Tests: ASTM C117, C127, C128, C136, C29, C40, C88, C131, C142, C535, C566, C702, C1077, D75, D2419, D3744, and E329.

Concrete Tests: ASTM C39, C78, C511, and C617.

Soil Tests: ASTM: D698, D854, D1140, D2166, D2216, D2419, D2435, D2487, D3080, and D4318.

We will add your laboratory to the list of commercial laboratories qualified to conduct material tests for the U.S. Army Corps of Engineers; see the Materials Testing Center homepage at <http://www.erd.c.usace.army.mil/Media/FactSheets/FactSheetArticleView/tabid/9254/Article/476661/materials-testing-center.aspx>. All Corps offices will be notified of this decision and will have the opportunity to use your services. Smith-Emery Laboratories, Los Angeles, CA will remain on our list of laboratories qualified to conduct material tests until **August 14, 2019** two (2) years from the date of the audit. In the event your AASHTO accreditation is suspended in whole or part, Smith-Emery Laboratories, Los Angeles, CA is to notify the Materials Testing Center immediately to perform a re-evaluation of your laboratory's validation. Failure to notify the Materials Testing Center will result in immediate suspension of your U.S. Army Corps of Engineers validation.

Sincerely,

Alfred B. Crawley, PE
Director
Materials Testing Center

Copy Furnished:
Mehrdad Golshani, Los Angeles District

CALTRANS QUALIFIED LABORATORY INSPECTION REPORT

Form TL-0113

Expiration date: May 22, 2020
 Inspected by: Afsaneh Ostovar
 IA No.: 096
 Phone: (916) 247-6311
 File: Materials Category 500

Laboratory: Smith-Emery Laboratories RSP ID # 23
 Address: 1195 N. Tustin Ave
 City: Anaheim State: CA Zip: 92806
 Lab QC Mgr.: Robert Greeley Email: rob@smithemerylabs.com
 Telephone: (714) 238-6133 Fax: (714) 238-6144

A certified Independent Assurance (IA) visited this laboratory on (Date) May 22, 2019
 Only the equipment to be used on Caltrans construction projects and/or local construction projects on the National Highway System was checked for qualification.

At the time of Caltrans Qualification, this laboratory had all necessary equipment to perform the tests methods indicated below. Testing personnel shall be Caltrans Qualified and possess a current Caltrans Certificate of Proficiency Form TL-0111 prior to performing any sampling or testing.

CT 105 CT 106 CT 125 CT 201 CT 202 CT 216 CT 217 CT 226
CT 231 CT 301 CT 304 CT 308 CT 309 CT 366 CT 370 CT 375
CT 382 CT 504 CT 518 CT 521 CT 523 CT 524 CT 533 CT 539
CT 540 CT 556 CT 557

A visual check was performed and documents provided as necessary for the following items:

☒ Facility Safety Manual
☒ Laboratory Procedures Manual
☒ Laboratory Quality Control Manual
☒ Proper test equipment
☒ Copies of current applicable test procedures
☒ Calibration and service documentation
☒ Calibration stickers affixed to test equipment (dated within the 12 months)

On May 22, 2019 this laboratory was Caltrans Qualified by AFSANEH OSTOVAR
Date *Printed name of IA person*


Signature of IA person

CALIFORNIA DEPARTMENT OF TRANSPORTATION

Presents this

CERTIFICATE OF PROFICIENCY

to

Carlos Lievanos

(Print Name)

Smith-Emery Laboratories

(Print Agency)



who is qualified to perform the following tests:

CTM 309 - AC Theoretical SG 05/20

Test Methods & Expirations

Test Methods & Expirations

James Ostovar

AFSANEH OSTOVAR I.A.# 096
Certified Independent Assurance (IA)

Date Issued: May 25, 2018

Note: This certificate is valid as long as the Tester complies with applicable requirements in **Caltrans Independent Assurance Program Manual**.

CALTRANS QUALIFIED LABORATORY INSPECTION REPORT

Form TL-0113



Expiration date: 4-Apr-2018
 Inspected by: SEREE YENJAI
 IA No.: 93
 Phone: 916-247-1911
 File: Materials Category 500

Laboratory: Smith & Emery Laboratories
 Address: 781 E. Washington Blvd.
 City: Los Angeles State: CA Zip: 90021
 Lab QC Mgr.: Praful Patel e-mail: ppatel@smithemerylabs.com
 Telephone: 213.749.3411 Fax #: 213.741.8420

A certified Independent Assurance (IA) visited this laboratory on (Date) 4-Apr-2017

Only the equipment to be used on Caltrans construction projects and/or local construction projects on the National Highway System was checked for qualification.

At the time of qualification, this laboratory had all necessary equipment to perform the California Tests Method (CTM) indicated below. Sampling/Testing personnel shall possess current Caltrans Form TL-0111.

"Certificate of Proficiency" prior to performing any sampling or testing.

CTM	CTM	CTM	CTM	CTM
<u>105</u>	<u>201</u>	<u>202</u>	<u>204</u>	<u>211</u>
<u>214</u>	<u>217</u>	<u>227</u>	<u>229</u>	<u>521</u>
<u>523</u>	<u>539</u>			

A visual check was performed and documents provided as necessary for the following items:

Yes A written in -house Safety Program
Yes A written in -house Quality Control Program
Yes Copies of current (applicable) test procedures
Yes Verification that the laboratory participates in Caltrans RSP correlation program
Yes Test equipment summary for calibration/service of equipment
Yes Calibration stickers affixed to test equipment (dated within the 12 months)
Yes Summaries of training records
Yes Personnel certifications/qualifications
Yes Work experience summaries
N/A Nuclear gage license

On 4-Apr-2017 this laboratory was qualified by
 Date

SEREE YENJAI # 093

(Printed name of IA person)


 (Signature of IA person)

CALIFORNIA DEPARTMENT OF TRANSPORTATION

[Caltrans Home](#) > [hq](#) > [esc](#) > [Translab](#) > [authorized laboratories list](#) > **all testing reinforcing steel splices**

Authorized Laboratories for Testing Reinforcing Steel Splices

Per Section 52 "Reinforcement" of the California Department of Transportation (the Department) Standard Specifications, testing on prequalification and production sample splices on reinforcing steel shall be performed at a laboratory selected from the Department's Authorized Materials List. The Structural Materials Testing Branch from the Office of Structural Materials is responsible for this list. Please follow the steps outlined in the Authorized Laboratory Qualification Requirements document to submit a request to be included in the Department's Authorized Materials List. The document is found at this link: [Authorized Laboratory Requirements for testing reinforcing steel splices](#).

Updated **November 18, 2016**

LABORATORY	LOCATION	CONTACT	CONDITIONAL APPROVAL UNTIL	FULLY APPROVED UNTIL
Applied Materials & Engineering, Inc.	980 41st Street Oakland, CA 94608	Mohammed Faiyaz (510) 420-8190		January 20, 2017 Meets Authorized Laboratory Requirements
Group Delta Consultants, Inc.	9245 Activity Road, Suite 103 San Diego, CA 92126	Jan Krehbiel (858) 536-1000		August 15, 2017 Meets Authorized Lab Requirements
Kleinfelder	9969 Horn Road Sacramento, CA 95827	Chris Pollack		February 12, 2017 Meets Authorized Lab Requirements
MRT Mechanical Rebar Testing, Inc.	355 S. Vasco Rd. Livermore, CA 94550	Tiffany Garland, President		March 19, 2018 Meets Authorized Lab Requirements
MTGL, Inc.	6295 Ferris Square, Suite C San Diego, CA 92121	John Hutalla		November 18, 2018 Meets Authorized Lab Requirements
RMA Group	3150 Fitzgerald Road Rancho Cordova, CA 95742	Josh Summers		December 17, 2017 Meets Authorized Laboratory Requirements
RMA Group	12130 Sants Margarita Ct. Rancho Cucamonga, CA 91730	Jason Barnachea		July 3, 2018 Meets Authorized Laboratory Requirements
Sequoia Consultants	361 W. Grove Ave. Orange, CA 92856	Pri Desilva, President		August 11, 2018 Meets Authorized Lab Requirements
SIT Southwest Inspection & Testing, Inc	441 Commercial Way La Habra, CA 90631	Errol Asayas, Laboratory Manager		November 23, 2016 Meets Authorized Lab Requirements
Smith-Emery Laboratory	781 E. Washington Blvd. Los Angeles, CA 90021	Praful Patel		November 18, 2018 Meets Authorized Lab Requirements
TEI Testing Engineers, Inc.	2811 Teagarden St. San Leandro, CA 94577	Dan Watanabe, Quality Systems Manager		February 25, 2017 Meets Authorized Lab Requirements
Twining, Inc.	3310 Airport Way Long Beach, CA 90806	Steve Crumb, Division Manager		November 30, 2016 Meets Authorized Lab Requirements

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**Division of the
State Architect**

CALIFORNIA DEPARTMENT OF GENERAL SERVICES

Headquarters Office

1102 Q Street, Suite 5100 | T 916.445.8100
Sacramento, CA 95811 | F 916.445.3521
www.dsa.dgs.ca.gov

November 15, 2017

Praful Patel
Smith-Emery Laboratories
781 E. Washington Blvd
Los Angeles, CA 90021

NOTICE OF RENEWAL OF ACCEPTANCE – LEA 025

Dear Mr. Patel:

This letter is to inform you of the renewal of acceptance by the Division of the State Architect (DSA) of the facility referenced above into the Laboratory Evaluation and Acceptance (LEA) program.

The referenced facility may provide the construction material testing and inspection services indicated on the attached list for projects under the jurisdiction of the DSA, which includes public schools (grades K-12 and community colleges) and State-owned or leased essential service buildings. LEA information for your facility will be posted on the DSA website (www.app.dgs.ca.gov/tracker/approvedLabs.aspx).

Please take time to review this correspondence with members of your staff that might be unfamiliar with our requirements.

This acceptance is valid until **August 20, 2021** and is contingent on continued compliance with the following LEA program requirements.

1. **R. Theodore Peet (RCE# 62632)** is the approved full-time engineering manager responsible for the testing and inspection services listed on the enclosed. You must notify the DSA prior to any change in engineering managerial responsibility.
- 2a. The facility shall continue to receive biennial assessments by AASHTO Materials Reference Laboratory (AMRL) and the Cement and Concrete Reference Laboratory (CCRL) as applicable to the services offered at the facility. Future reports and evidence of corrective action shall be submitted to the DSA.
- 2b. The facility shall maintain current participation in AMRL and CCRL proficiency sample programs (PSP). Future PSP reports and explanations of any low ratings shall be submitted to the DSA.
3. If the subject laboratory has granted DSA "Specifier" privileges with AMRL, written reports do not need to be sent to the DSA.
4. The facility shall maintain all test equipment and records in accordance with applicable, current American Society for Testing and Materials (ASTM) standards.

**Sacramento
Regional Office**
1102 Q Street, Suite 5200
Sacramento, CA 95811
T 916.445.8730

**Oakland
Regional Office**
1515 Clay Street, Suite 1201
Oakland, CA 94612
T 510.622.3101

**Los Angeles
Regional Office**
700 N. Alameda St., Suite 5-500
Los Angeles, CA 90012
T 213.897.3995

**San Diego
Regional Office**
10920 Via Frontera, Suite 300
San Diego, CA 92127
T 858.674.5400


5. The facility shall provide laboratory and field testing personnel who are adequately trained, supervised and currently certified as required by the latest ASTM or other recognized standards.
6. Masonry inspectors assigned to projects under DSA jurisdiction shall have passed DSA's masonry inspector examination and be specifically approved for each project by the DSA field engineer.
7. Welding inspectors assigned to projects under DSA jurisdiction shall hold current American Welding Society (AWS) Certified Welding Inspector (CWI) or Senior CWI certification and be specifically approved for each project by the DSA field engineer.
8. The facility's Nondestructive Testing (NDT) program shall be supervised by an individual currently certified by the American Society for Nondestructive Testing (ASNT) as NDT Level III in applicable methods. Such certification shall have been obtained through ASNT by testing, not by employer or self-certification.
9. The facility's NDT written practice and procedures shall conform to the requirements of ANSI/ASNT CP-189, 2006, and be approved by the supervising Level III. All NDT technicians assigned to projects under DSA jurisdiction shall hold current Level II or greater certification, in accordance with the requirements of CP-189.
10. The laboratory facility shall provide test, inspection and verified reports in accordance with the requirements of the 2016 California Building Standards Administrative Code (CBC) Title 24, Part 1. Report format shall comply with LEA Program requirements and applicable ASTM standards.
11. The physical location of the facility, including but not limited to laboratory equipment and personnel, shall not change without prior notification to the DSA.

Please be aware that failure to comply with any of the requirements of the LEA Program may result in this acceptance being revoked. A facility with a revoked acceptance may be reinstated when it demonstrates all deficiencies cited by the DSA have been corrected. Fees may be charged.

If you wish to continue DSA acceptance beyond your current expiration date, you must submit a renewal application package at least 30 days prior to that date. The application (DSA form 100-PRE) and detailed instructions outlining submittal requirements can be downloaded from the DSA website (<http://www.dgs.ca.gov/dsa/Forms.aspx>). When we have received all required information, we will schedule an on-site evaluation of your facility.

Thank you for participating in the Division of the State Architect's LEA program. Should you have any questions regarding the LEA program requirements please feel free to contact me at (916) 445-2193 or e-mail me at eric.france@dgs.ca.gov.

Sincerely,



Eric H. France
Division of the State Architect
Laboratory Evaluation and Acceptance Program

Enclosure:

TESTING SERVICES ACCEPTED		INSPECTION SERVICES ACCEPTED
Earthwork/Lab	Earthwork/Field	Earthwork
<input checked="" type="checkbox"/> Soil	<input checked="" type="checkbox"/> Soil Compaction	<input checked="" type="checkbox"/> Fill Placement
<input checked="" type="checkbox"/> Aggregate		<input checked="" type="checkbox"/> Foundation
<input checked="" type="checkbox"/> Asphalt Concrete		<input checked="" type="checkbox"/> Caissons/Piles
Reinforcing Steel		Reinforcing Steel
<input checked="" type="checkbox"/> Re-Bar Tension and Bend		<input checked="" type="checkbox"/> Welding
<input checked="" type="checkbox"/> Multi-Wire Strand		
<input checked="" type="checkbox"/> Chemical Analysis		Concrete
		<input checked="" type="checkbox"/> Batch Plant
Concrete		<input checked="" type="checkbox"/> Re-Bar and Concrete Sampling
<input checked="" type="checkbox"/> Making / Curing Specimens		<input checked="" type="checkbox"/> Pre-Stressed Concrete
<input checked="" type="checkbox"/> Drilled Cores / Beams		<input type="checkbox"/> Shotcrete
<input checked="" type="checkbox"/> Compressive Strength		<input type="checkbox"/> Fiber Reinforced Concrete
<input checked="" type="checkbox"/> Length Change		<input type="checkbox"/> Epoxy injection
<input checked="" type="checkbox"/> Flexural Strength		<input type="checkbox"/> Reinforced Gypsum
<input checked="" type="checkbox"/> Lightweight Concrete		<input checked="" type="checkbox"/> Post Installed Anchors
<input checked="" type="checkbox"/> Mix Design Review		
<input checked="" type="checkbox"/> Splitting Tensile		Masonry
		<input type="checkbox"/> Batch Plant
Post Installed Anchors		<input type="checkbox"/> Masonry Placement
<input checked="" type="checkbox"/> Torque	<input checked="" type="checkbox"/> Proof Load	<input type="checkbox"/> Post Installed Anchors
Masonry		Structural Metals
<input checked="" type="checkbox"/> Making / Curing Specimens		<input checked="" type="checkbox"/> Welding
<input checked="" type="checkbox"/> Grout Compressive Strength		<input checked="" type="checkbox"/> High Strength Bolting
<input checked="" type="checkbox"/> Prism Compressive Strength		<input checked="" type="checkbox"/> Spray-Applied Fireproofing
<input checked="" type="checkbox"/> Unit Compr. Strength	<input checked="" type="checkbox"/> Absorption	
<input checked="" type="checkbox"/> Dimensions	<input checked="" type="checkbox"/> Masonry Shear	
<input checked="" type="checkbox"/> Drying Shrinkage		
		Other Inspection Services:
Metals/Lab	Metals/Field-N.D.T	
Structural Steel	<input checked="" type="checkbox"/> Liquid Penetrant	
<input checked="" type="checkbox"/> Tension	<input checked="" type="checkbox"/> Magnetic Particle	
<input checked="" type="checkbox"/> Bend	<input checked="" type="checkbox"/> Ultrasonic	
<input checked="" type="checkbox"/> Density of SFRM		
High Strength Bolt	<input type="checkbox"/> Radiographic	
<input checked="" type="checkbox"/> Tension		Other Tests:
<input checked="" type="checkbox"/> Hardness		
<input checked="" type="checkbox"/> Charpy V - Notch		
Roofing		
<input checked="" type="checkbox"/> Tiles	<input checked="" type="checkbox"/> Built-Up	

Approved by:  Date: November 15, 2017

Division of the State Architect LEA Acceptance for **Smith-Emery Laboratories, LEA# 025** is effective until **August 20, 2021**.



INTERNATIONAL
ACCREDITATION
SERVICE®



SCOPE OF ACCREDITATION

IAS Accreditation Number	TL-191
Company Name	Smith-Emery Laboratories, Inc.
Address	781 E. Washington Blvd., Los Angeles, CA 90021
Contact Name	Praful P. Patel, Ph.D., P.E. Quality Manager
Telephone	(213) 749-3411
Effective Date of Scope	April 27, 2017
Accreditation Standard	ISO/IEC 17025:2005

CMT

ASTM C39/C39M	Standard test method for compressive strength of cylindrical concrete specimens
ASTM C138/C138M	Standard test method for density (unit weight), yield, and air content (gravimetric) of concrete
ASTM C140/C140M	Standard test methods for sampling and testing concrete masonry units and related units
ASTM C143/C143M	Standard test method for slump of hydraulic-cement concrete
ASTM C511	Standard specification for mixing room, moist cabinets, moist rooms, and water storage tanks used in the testing of hydraulic cements and concretes
ASTM C617/C617M	Standard practice for capping cylindrical concrete

Specimens

ICC ES AC87	Mortar containing admixtures (test methods referenced in section 3.0)
ICC ES AC155	Hold-downs (tie-downs) attached to wood members (test methods referenced in sections 3.0 and 4.0)
ICC ES AC170	Shear reinforcement devices in structural concrete (test methods referenced in section 3.0)
ICC ES AC347	Headed deformed bars (test methods referenced in sections 3.0 and 4.0)
ICC ES AC362	Adhesives for masonry construction (test methods referenced in sections 3.0 and 4.0 (excluding sections 4.5, 4.7 and 4.10)
UBC 18-1	Soils classification



SCOPE OF ACCREDITATION

UBC 18-2

Expansion index test

Physical

ASTM C482

Standard test method for bond strength of ceramic tile to Portland cement paste

ASTM D570

Standard test method for water absorption of plastics

ASTM D638

Standard test method for tensile properties of plastics

ASTM D695

Standard test method for compressive properties of rigid plastics

ASTM D790

Standard test methods for flexural properties of unreinforced and reinforced plastics and electrical insulating materials

ASTM D882

Standard test method for tensile properties of thin plastic sheeting

ASTM D2240

Standard test method for rubber property—durometer hardness

ASTM D3039/D3039M

Standard test method for tensile properties of polymer matrix composite materials

ASTM D4541

Standard test method for pull-off strength of coatings using portable adhesion testers

ASTM E2126

Standard test methods for cyclic (reversed) load test for shear resistance of vertical elements of the lateral force resisting systems for buildings

ICC ES AC191

Metal plaster bases (lath) (test methods referenced in sections 3.0 and 4.0)

FM 1950

Seismic sway braces for pipe, tubing and conduit (section 4.2 – cyclic testing (component testing) and section 4.3 – cyclic tests (assembly testing))

Structural

ASCE 19-96

Standard guidelines for the structural applications of steel cables for buildings

ASTM A370

Standard test methods and definitions for mechanical testing of steel products

ASTM A416/A416M

Standard specification for low-relaxation, seven-wire steel strand for prestressed concrete

ASTM A615/A615M

Standard specification for deformed and plain carbon-steel bars for concrete reinforcement



SCOPE OF ACCREDITATION

ASTM A970/A970M	Standard specification for headed steel bars for concrete reinforcement
ASTM A1034/A1034M	Standard test methods for testing mechanical splices for steel reinforcing bars
ASTM C627	Standard test method for evaluating ceramic floor tile installation systems using the Robinson-type floor tester
ASTM E18	Standard test methods for Rockwell hardness of metallic materials
ASTM E72	Standard test methods of conducting strength tests of panels for building construction
ASTM E330/E330M	Standard test method for structural performance of exterior windows, doors, skylights and curtain walls by uniform static air pressure difference
ASTM E331	Standard test method for water penetration of exterior windows, skylights, doors, and curtain walls by uniform static air pressure difference
ASTM E455	Standard test method for static load testing of framed floor or roof diaphragm constructions for buildings
ASTM E564	Standard practice for static load test for shear resistance of framed walls for buildings
California Test 670	Method of test for mechanical and welded reinforcing steel splices
ICC ES AC16	Plastic glazed skylights (test methods referenced in sections A3.0 and A4.0)
ICC ES AC43	Steel deck roof and floor systems (test methods referenced in section 4)
ICC ES AC129	Steel moment frame connection systems (test methods referenced in section 4.0) load limited to 500 kips))
ICC ES AC133	Mechanical splice systems for steel reinforcing bars (test methods referenced in sections 3.0 and 4.0 of (excluding annex 4.0))
ICC ES AC230	Power-actuated fasteners for shear wall assemblies constructed with cold-formed steel framing and wood structural panels (test methods referenced in section 3.0)
ICC ES AC276	Segmental retaining walls (test methods referenced in section 3.2 and 3.3)



SCOPE OF ACCREDITATION

ICC ES AC390

Wall panels with a welded steel perimeter frame used in agricultural storage structures (test methods referenced in section 3.5)

ASCE: American Society of Civil Engineers FM: Factory Mutual

UBC: Uniform Building Code



www.LADBS.org

TESTING AGENCY CERTIFICATE OF APPROVAL

Department Of Building & Safety
Material Control Section
221 N. Figueroa , 7th Floor
Los Angeles, CA 90012
Tel. (213) 482-0315
eMail:ladbs_materialscontrol@lacity.org

Shop Location

Smith-Emery Laboratories
Praful Patel
781 E. Washington Blvd., 2nd Fl.
Los Angeles, CA 90021

781 E. Washington Blvd., 2nd Fl.
Los Angeles, CA 90021

Approval No: TA02122

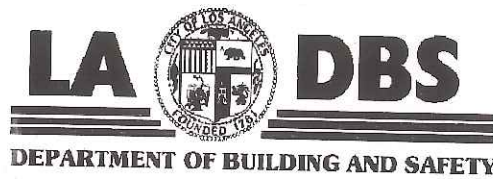
Branch No: N/A

Expiration Date: 6/1/2018

Approval Type: Soils/NDT/Fireproffing/Glazing/Concrete/Masonry/Grout/Compression/Rebar/Steels/Slip Resistance/stone/tiel/ceramics/curtain walls/ racks/moment frams/load testing/manholes

You are hereby notified that your certificate of approval is valid until the expiration date shown above under the provisions of the City Of Los Angeles Municipal Code, section 98.0503 and Information Bulletin P/GI 2014-28 (Part II).

Michael Smith
Principal Inspector
Materials Control Section
(213) 482-7097




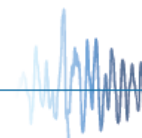
LA Department of Building and Safety
LA ERIC 102099052 5/10/2017 4:24:23 PM

Receipt #:	0102733045	\$942.85
Total:		<u>\$942.85</u>
Check		\$942.85



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD PREAPPROVED LABORATORY (OPL)		For Office Use Only	
		Application #	OPL-0015-14
Name of Approved Agency/Laboratory SMITH-EMERY LABORATORIES	City LOS ANGELES	County LOS ANGELES	State CA
APPLICATION TYPE / FEE			
Application is based on:	New Application Fee (Fees are Nonrefundable)	Renewal Fee (Fees are Nonrefundable)	
<input type="checkbox"/> DSA-LEA Approved Only	<input type="checkbox"/> \$250.00	<input type="checkbox"/> \$250.00	
<input type="checkbox"/> Accreditation Only	<input type="checkbox"/> \$500.00	<input type="checkbox"/> \$250.00	
<input checked="" type="checkbox"/> Both DSA-LEA Approved and Accreditation	<input checked="" type="checkbox"/> \$500.00	<input type="checkbox"/> \$250.00	
APPLICANT INFORMATION			
Applicant Name JAMES E. PARTRIDGE	Signature 	Position in the Organization PRESIDENT	
Agency/Laboratory Name SMITH-EMERY LABORATORIES		Application Date 11.12.2014	
Phone Number (213) 749 - 3411 x425		E-Mail jpartridge@sei.us.com	
Address of Facility Location (Each facility location requires separate application.)			
Street 781 E. WASHINGTON BLVD			
City: LOS ANGELES	County LOS ANGELES	State: CA	Zip Code: 90021
Facility Mailing Address (If different from facility address above.) AS ABOVE			
Street			
City:		State:	Zip Code:
KEY PERSONNEL (Attach additional pages if needed.)			
Engineering Manager (or equivalent) – Name JAMES E. PARTRIDGE	CA Registration Number 25270	Expiration Date 12.13.2016	
Title in the Organization PRESIDENT	Phone Number (213) 749 - 3411 x425		
FAX Number (213) 741 - 8620	E-Mail jpartridge@smithemerylabs.com		
Alternate to Engineering Manager (if any) – Name JANETH QUINTERO	CA Registration Number C73066	Expiration Date 12.31.2014	
Title in the Organization LABORATORY DIRECTOR	Phone Number (213) 749 - 3411 x351		
FAX Number (213) 741 - 8620	E-mail jqintero@smithemerylabs.com		





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

KEY PERSONNEL *(Attach additional pages if needed.)*

Laboratory Supervisor – Name PRAFUL P. PATEL, Ph.D., P.E	CA Registration Number <i>(if any)</i> MT 1933	Expiration Date 03.31.2016
Title in the Organization METALLURGICAL ENGINEER / QA MANAGER	Phone Number (213) 749 – 3411 x353	
FAX Number (213) 741 - 8620	E-Mail ppatel@smithemerylabs.com	
Field Supervisor – Name ROBERT HAY	CA Registration Number <i>(if any)</i> --	Expiration Date --
Title in the Organization SENIOR FIELD INSPECTIONS SUPERVISOR	Phone Number (213) 749 – 3411 x427	
FAX Number (213) 741 - 8620	E-mail bhay@smithemerylabs.com	

ACCREDITATION

This laboratory currently holds accreditation by: *(Attach a copy of current accreditation details.)*

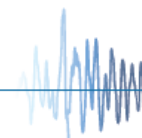
- | | |
|--|--|
| <input checked="" type="checkbox"/> AASHTO Accreditation Program (AAP) | <input type="checkbox"/> National Voluntary Laboratory Accreditation Program (NVLAP) |
| <input checked="" type="checkbox"/> International Accreditation Service (IAS) | <input type="checkbox"/> American Association of Laboratories Program (A2LA) |
| <input type="checkbox"/> Laboratory Accreditation Program (LAB) | <input type="checkbox"/> Construction Materials Engineering Council (CMEC) |
| <input checked="" type="checkbox"/> Other _CCRL, CALTRANS, LA CITY, ARMY CORP. ENG, AAMA | |

Latest Expiration Date *(if any)* _____

Is this laboratory accepted in the Division of the State Architect Laboratory Evaluation and Acceptance Program, DSA-LEA? ☐ No ☒ Yes Expiration Date: 08.20.2017

Basis for accreditation:

- | |
|--|
| <input checked="" type="checkbox"/> ISO/IEC 17025: General requirements for competence of testing and calibration laboratories |
| <input type="checkbox"/> NISTIR 7012: Technical requirements for construction materials testing |
| <input checked="" type="checkbox"/> AASHTO R18: Standard Recommended Practice for Establishing and Implementing a Quality System for Construction Materials Testing Laboratories |
| <input type="checkbox"/> ASTM E 329: Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction |
| <input type="checkbox"/> ASTM C 1077: Practice for Laboratories Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Laboratory Evaluation |
| <input type="checkbox"/> ASTM D 3666: Specification for Minimum Requirements for Agencies Testing and Inspecting Bituminous Paving Materials |
| <input type="checkbox"/> ASTM D 3740: Practice for Evaluation of Agencies Engaged in Testing and/or Inspections of Soils and Rock as Used Engineering Design and Construction |
| <input type="checkbox"/> ASTM C 1093: Practice for Accreditation of Testing Agencies for Unit Masonry |
| <input type="checkbox"/> ASTM E 1212: Practice for Quality Management Systems for <i>Nondestructive Testing (NDT)</i> Agencies |
| <input type="checkbox"/> ASTM E 543: Specification for Agencies Performing <i>Nondestructive Testing (NDT)</i> |



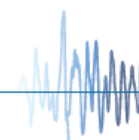


**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

STANDARDS

By checking "yes" in Tables 1 through 6 below, the applicant verifies that the laboratory has the equipment and qualified personnel to perform the indicated testing. **ONLY mark tests that are listed in accreditation certificate or DSA-LEA.**

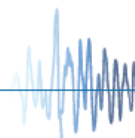
1 SOILS AND FOUNDATIONS							
Tests							
Yes	Standard	Test Procedure	Yes	Standard	Test Procedure		
<input checked="" type="checkbox"/>	a.	ASTM D 2487	Classification of Soils	<input checked="" type="checkbox"/>	b.	ASTM D 422	Particle Size Analysts
<input checked="" type="checkbox"/>	c.	ASTM D 2216	Moisture Content	<input checked="" type="checkbox"/>	d.	ASTM D 4318	Liquid / Plastic Limit
<input type="checkbox"/>	e.	ASTM D 2850	Unconsolidated, Undrained Triaxial	<input type="checkbox"/>	f.	ASTM D 4767	Triaxial Compression
<input checked="" type="checkbox"/>	g.	ASTM D 2166	Unconfined Compressive Strength	<input type="checkbox"/>	h.	ASTM D 7012	Triaxial Compressive Strength of Rock Core Specimens
<input type="checkbox"/>	i.	ASTM D 5778	Friction Cone and Pizcone Penetration Test	<input type="checkbox"/>	j.	ASTM D 3441	Cone Penetration Test (CPT)
<input checked="" type="checkbox"/>	k.	ASTM D 1140	No. 200 Wash	<input checked="" type="checkbox"/>	l.	ASTM D 4829	Expansion Index
<input checked="" type="checkbox"/>	m.	ASTM D 2419	Sand Equivalent Value	<input checked="" type="checkbox"/>	n.	ASTM D 1557	Soil Compaction – Modified
<input checked="" type="checkbox"/>	o.	ASTM D 3080	Direct Shear	<input type="checkbox"/>	p.	ASTM D 6938	Density of Soils – Nuclear Gage
<input type="checkbox"/>	q.	ASTM D 1556	Density of Soils – Sand Cone	<input type="checkbox"/>	r.	ASTM D 1143	Deep Foundations – Static Compression
<input type="checkbox"/>	s.	ASTM D 4945	Deep Foundations – Dynamic Testing	<input type="checkbox"/>	t.	ASTM D 3689	Deep Foundations – Axial Tension
<input type="checkbox"/>	u.	ASTM D 3966	Deep Foundations –Lateral Loads				
Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.							
Yes	Standard	Test Procedure	Yes	Standard	Test Procedure		
<input checked="" type="checkbox"/>	aa.	ASTM D 698	Soil Compaction Characteristics	<input checked="" type="checkbox"/>	bb.	ASTM D 2166	Unconfined Comp. Strength Cohesive Soil
<input checked="" type="checkbox"/>	cc.	ASTM D 854	Sp. Gravity Soil By Pycnometer	<input checked="" type="checkbox"/>	dd.	ASTM D 421	Dry Soil Prep. For Particle-Size Analysis
<input checked="" type="checkbox"/>	ee.	ASTM D 1883	CBR Lab. Compacted Soils	<input type="checkbox"/>	ff.		





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

2		CONCRETE			
Tests					
Yes	Standard	Test Procedure	Yes	Standard	Test Procedure
<input checked="" type="checkbox"/>	a. ASTM D 75	Sampling Aggregate	<input checked="" type="checkbox"/>	b. ASTM C 702	Reducing Aggregate Samples
<input checked="" type="checkbox"/>	c. ASTM C 40	Organic Impurities	<input checked="" type="checkbox"/>	d. ASTM C 29	Unit Weight / Voids
<input checked="" type="checkbox"/>	e. ASTM C 88	Sodium Sulfate Soundness	<input checked="" type="checkbox"/>	f. ASTM C 566	Moisture Content
<input type="checkbox"/>	g. ASTM C 142	Clay / Friable Particles	<input checked="" type="checkbox"/>	h. ASTM C 127	Specific Gravity - Coarse
<input checked="" type="checkbox"/>	i. ASTM C 128	Specific Gravity - Fine	<input checked="" type="checkbox"/>	j. ASTM C 117	No. 200 Wash
<input checked="" type="checkbox"/>	k. ASTM C 136	Sieve Analysis Course / Fine	<input checked="" type="checkbox"/>	l. ASTM C 131	Degradation of Aggregate
<input checked="" type="checkbox"/>	m. ASTM D 2419	Sand Equivalent Value	<input checked="" type="checkbox"/>	n. ASTM C 31, C 172, CBC 1905A.1.2	Concrete Sampling - Field
<input checked="" type="checkbox"/>	o. ASTM C 192	Making / Curing Specimens - Lab	<input checked="" type="checkbox"/>	p. ASTM C 173	Air Content (V)
<input type="checkbox"/>	q. ASTM C 1602	Water	<input type="checkbox"/>	r. ASTM C1604	Shotcrete Core
<input type="checkbox"/>	s. ACI 355.2	Mechanical Anchors	<input checked="" type="checkbox"/>	t. ASTM C 231	Air Content (P)
<input checked="" type="checkbox"/>	u. ASTM C 143	Slump	<input checked="" type="checkbox"/>	v. ASTM C 1064	Temperature
<input checked="" type="checkbox"/>	w. ASTM C 617	Capping Concrete Specimens	<input checked="" type="checkbox"/>	x. ASTM C 1231	Unbonded Caps
<input checked="" type="checkbox"/>	y. ASTM C 39	Compressive Strength	<input checked="" type="checkbox"/>	z. ASTM C 157	Length Change
<input checked="" type="checkbox"/>	aa. ASTM C 78	Flexural Strength	<input checked="" type="checkbox"/>	bb. ASTM C 496	Splitting Tensile
<input checked="" type="checkbox"/>	cc. ASTM C 42	Drilled Cores / Beams	<input checked="" type="checkbox"/>	dd. ASTM C 138	Weight / Yield / Air Content
<input checked="" type="checkbox"/>	ee. ASTM C 495	Lightweight Concrete	<input type="checkbox"/>	ff. ASTM C 567	Density of Lightweight Aggregate
<input type="checkbox"/>	gg. ASTM E 488	Strength of Anchors	<input type="checkbox"/>	hh. ACI 355.4	Adhesive Anchors
<input type="checkbox"/>	ii. ACI 374.1	Moment Frames	<input type="checkbox"/>	jj. ASTM C 1260	Alkali Reactivity of Aggregate
<input type="checkbox"/>	kk. ASTM C 1293	Length Change due to Alkali-Silica Reaction	<input type="checkbox"/>	ll. ACI ITG-5.1	Post-Tensioned Precast Special Walls
<input type="checkbox"/>	mm. ASTM C 42	Concrete Core	<input type="checkbox"/>	nn. ASTM D 3039	Tensile Strength of FRP
<input type="checkbox"/>	oo. ASTM D 4541	Pull of Strength of FRP	<input type="checkbox"/>	pp. ASTM A 1034	Rebar Mechanical Splices
<input type="checkbox"/>					
<input type="checkbox"/>					
Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.					
Yes	Standard	Test Procedure	Yes	Standard	Test Procedure
<input checked="" type="checkbox"/>	aa. ASTM C 31	Making/Curing Con.Samples Field	<input type="checkbox"/>	bb.	
<input type="checkbox"/>	cc.		<input type="checkbox"/>	dd.	
<input type="checkbox"/>	ee.		<input type="checkbox"/>	ff.	

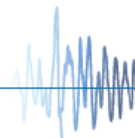




OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

3		MASONRY					
Tests							
Yes	Standard/Code Reference		Test Procedure	Yes	Standard/Code Reference		Test Procedure
<input checked="" type="checkbox"/>	a.	ASTM C 140	Dimensions	<input checked="" type="checkbox"/>	b.	ASTM C 140	Compressive Strength
<input checked="" type="checkbox"/>	c.	ASTM C 140	Absorption	<input checked="" type="checkbox"/>	d.	ASTM C 140	Unit Weight
<input checked="" type="checkbox"/>	e.	ASTM C 140	Moisture Content	<input type="checkbox"/>	f.	ASTM C 426	Linear Drying Shrinkage
<input type="checkbox"/>	g.	CBC 2105A.2.2.1.4	Mortar Sampling	<input type="checkbox"/>	h.	CBC 2105A.2.2.1.4	Grout Sampling
<input checked="" type="checkbox"/>	i.	ASTM C 1314	Prism Compressive Strength	<input checked="" type="checkbox"/>	j.	ASTM C 1019	Grout Compressive Strength
<input checked="" type="checkbox"/>	k.	ASTM C 780	Mortar Compressive Strength	<input type="checkbox"/>	l.	ASTM C 39	Core Compressive Strength
<input type="checkbox"/>	m.	CBC 2105A.4	Core Shear	<input type="checkbox"/>	n.	ASTM C 1314	Prism Sampling
Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.							
Yes	Standard/Code Reference		Test Procedure	Yes	Standard/Code Reference		Test Procedure
<input checked="" type="checkbox"/>	aa.	ASTM C1552	Capping CMU	<input type="checkbox"/>	bb.		
<input type="checkbox"/>	cc.			<input type="checkbox"/>	dd.		
<input type="checkbox"/>	ee.			<input type="checkbox"/>	ff.		

4		STEEL					
Tests							
Yes	Standard/Code Reference		Test Procedure	Yes	Standard/Code Reference		Test Procedure
<input checked="" type="checkbox"/>	a.	ASTM A 370	Tension Test	<input checked="" type="checkbox"/>	b.	ASTM A 370	Bend
<input type="checkbox"/>	c.	ASTM E 10	Brinell Hardness	<input checked="" type="checkbox"/>	d.	ASTM E 18	Rockwell Hardness
<input type="checkbox"/>	e.	ASTM E 190	Guided Bend	<input checked="" type="checkbox"/>	f.	ASTM E 23	Charpy V - Notch
<input type="checkbox"/>	g.	ASTM A 90	Weight of Coating	<input type="checkbox"/>	h.	AISC 341 Section K2	Beam to Column Moment & EBF Connections Cyclic Tests
<input type="checkbox"/>	i.	AISC 341 Section K3	BRBF Cyclic Tests	<input checked="" type="checkbox"/>	j.	ASTM E 165	Liquid Penetrant
<input checked="" type="checkbox"/>	k.	ASTM E 1444	Magnetic Particle	<input type="checkbox"/>	l.	ASTM E 94	Radiographic
<input checked="" type="checkbox"/>	m.	ASTM E 164	Ultrasonic	<input type="checkbox"/>	n.	ASTM E 605	Density of SFRM
<input type="checkbox"/>	o.	CBC 2203A.1	Material Identification	<input checked="" type="checkbox"/>	P	ASTM F606	Bolt Tension Test
Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.							
Yes	Standard/Code Reference		Test Procedure	Yes	Standard/Code Reference		Test Procedure
<input type="checkbox"/>	aa.			<input type="checkbox"/>	bb.		
<input type="checkbox"/>	cc.			<input type="checkbox"/>	dd.		
<input type="checkbox"/>	ee.			<input type="checkbox"/>	ff.		





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

5	Wood and Roof Assemblies						
Tests							
Yes	Standard		Test Procedure	Yes	Standard		Test Procedure
<input type="checkbox"/>	a.	ASTM D 3617	Analysis of Built-Up Roof Systems	<input type="checkbox"/>	b.	ASTM D 4442	Moisture Content of Wood
<input type="checkbox"/>	c.	ASTM C 67	Brick and Structural Clay Roof Tiles				
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>							
<input type="checkbox"/>	aa.			<input type="checkbox"/>	bb.		
<input type="checkbox"/>	cc.			<input type="checkbox"/>	dd.		
<input type="checkbox"/>	ee.			<input type="checkbox"/>	ff.		

6	COMPONENT, ASSEMBLY AND PROTOTYPE TESTING						
Tests							
Yes	Standard/Code Reference		Test Procedure	Yes	Standard/Code Reference		Test Procedure
<input checked="" type="checkbox"/>	a.	AAMA 501.4	Static Test for Curtain Wall and Storefront Systems	<input type="checkbox"/>	b.	ICC-ES AC 156	Shake Table Test
<input checked="" type="checkbox"/>	c.	AAMA 501.6	Dynamic Test for Curtain Wall and Storefront Systems	<input type="checkbox"/>	d.	FM 1950	Seismic Sway Brace Testing
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>							
<input checked="" type="checkbox"/>	aa.	AAMA 502	Window Air/Water Leakage	<input checked="" type="checkbox"/>	bb.	ASTM E 283	Rate Of Air Leakage Windows
<input checked="" type="checkbox"/>	cc.	AAMA 503	Air/Water Infiltration	<input checked="" type="checkbox"/>	dd.	ASTM E 330	Struc. Performance Windows
<input checked="" type="checkbox"/>	ee.	AAMA 1503	Condensation Resistance	<input checked="" type="checkbox"/>	ff.	ASTM E 331	Water Penetration Ext. Window





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

List of Attachments Supporting the Testing Agency/Laboratory Approval (Submit Each Attachment as Separate PDF)

Yes	Enclosure Type
<input checked="" type="checkbox"/>	OSHPD Facilities Development Division (FDD) Payment Form (OSH-AD-367): http://www.oshpd.ca.gov/FDD/Forms/eSPForms/OSH-AD_367%20Facilities%20Development%20Division%20Payment%20Form.pdf
<input checked="" type="checkbox"/>	DSA-LEA Laboratory Qualification as posted at DSA website: https://www.apps.dgs.ca.gov/tracker/ApprovedLabs.aspx
<input checked="" type="checkbox"/>	Latest Copy of DSA 100: LEA Program Application as Submitted to DSA
<input checked="" type="checkbox"/>	Latest copy of DSA 220: LEA Program On-Site Assessment Report
<input checked="" type="checkbox"/>	Latest copy of DSA acceptance (letter) of the Lab. into the LEA program.
<input checked="" type="checkbox"/>	Current Accreditation Certificate(s) including List of Tests for which Laboratory is Accredited
<input checked="" type="checkbox"/>	Other (Please Specify): CALTRANS, AASHTO, ARMY CORP. ENG, LADBS

OSHPD Approval

(For Office Use Only)

Signature:

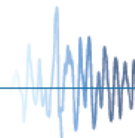
Approval Date: 11/21/2014

Print Name: James C. Pan

Approval Expiration Date: 08/20/2017

Title: District Structural Engineer

Condition of approval (if applicable):



OSHPD Preapproved Laboratory (OPL) Program*
Approved Testing Agencies/Laboratories for Structural Tests

Show All entries

Search:

OSHPD Preapproved Laboratory (OPL)Number	Approved Laboratory Name	City	County	State (Use Country Name for non-US Labs)	ZIP Code	Approval Expiration Date	Comments
<u>OPL-0001-14</u>	Dynamic Certification Laboratories (DCL)	Sparks	Washoe	Nevada	89431	07/01/2015	See Attachment
<u>OPL-0002-14</u>	CHJ	Colton	San Bernardino	California	92324	02/23/2017	See Attachment
<u>OPL-0003-14</u>	CHJ	Victorville	San Bernardino	California	92392	03/30/2016	See Attachment
<u>OPL-0004-14</u>	Caltech Labs	Brea	Orange	California	92821	03/25/2018	See Attachment
<u>OPL-0005-14</u>	Applied Technical Services (ATS)	Marietta	Cobb	Georgia	30062	01/31/2016	See Attachment
<u>OPL-0006-14</u>	Consolidated Engineering Laboratories (CEL)	Oakland	Alameda	California	94606	10/16/2015	See Attachment
<u>OPL-0007-14</u>	Construction Testing & Engineering, Inc. (CTE)	Escondido	San Diego	California	92026	02/05/2016	See Attachment
<u>OPL-0009-14</u>	CTE South, Inc.	Riverside	Riverside	California	92518	06/18/2015	See Attachment
<u>OPL-0011-14</u>	United Inspection & Testing	Moreno Valley	Riverside	California	92553	09/10/2017	See Attachment
<u>OPL-0013-14</u>	BSK Associates	Livermore	Alameda	California	94551	10/28/2016	See Attachment
<u>OPL-0014-14</u>	DC Inspections, Inc.	Bakersfield	Kern	California	93308	07/14/2016	See Attachment
<u>OPL-0015-14</u>	Smith-Emery Laboratories	Los Angeles	Los Angeles	California	90021	08/20/2017	See Attachment

Showing 1 to 12 of 12 entries

*See Policy Intent Notice 58 (PIN 58).



Smith-Emery International



Smith-Emery Company



Smith-Emery Laboratories



Positive Lab Services



Smith-Emery GeoServices



Smith-Emery Laboratories

The full service Independent Testing Laboratory, Established in 1904

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