



# STAFF REPORT

## SAUSALITO CITY COUNCIL

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### AGENDA TITLE

Agreement for Geotechnical and Special Inspections for Public Safety Facilities Project

### RECOMMENDED MOTION

Authorize the City Manager to execute an agreement with the Smith-Emery Company for Geotechnical and Special Inspections for the Public Safety Facilities Project in a not-to-exceed amount of \$73,491.55.

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### SUMMARY

Four bids were submitted from qualified contractors for geotechnical and special inspections for the Public Safety Facilities (PSF) project. The Smith-Emery Company provided the low bid of \$73,491.55.

### DISCUSSION

Various geotechnical and special inspections are required during construction of the PSF project. Geotechnical inspections include verification of existing soil conditions, soil compaction, and installation of piles and foundations in accordance with the plans and specifications. Special Inspections include observation and testing of welding, shear walls, concrete, and other structural details to confirm that the project is constructed in accordance with the plans and specifications. The geotechnical and special inspections reports are provided to the building inspector (i.e., Contra Costa County Building Inspection Division), Glass Architects, the general contractor (i.e., Alten Construction), and the City. If the reports conclude that work was not installed properly, the general contractor will be required to remove and replace the work at no cost to the City.

Swinerton Construction & Management, on behalf of the City, reviewed Statements of Qualifications from four geotechnical and inspection firms and determined that all of the firms were sufficiently qualified to provide the inspection services required for the project. Swinerton sent Requests for Proposals to the qualified firms and received four proposals. The firms and their respective time and materials, not-to-exceed cost bids are listed below.

Smith-Emery Company	\$73,491.55
Ninyo & Moore	108,200.00
CEL and Geosphere	113,012.02
ISI	87,083.52 (Special Inspection Services Only)

Swinerton has reviewed the proposal submitted by the Smith-Emery Company and determined the proposal complies with the inspection and testing requirements.

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**FISCAL IMPACT**

Funding will be provided from the General Obligation Bond Funds specifically approved by the voters for the PSF Project.

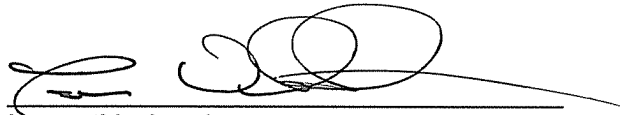
**RECOMMENDATION**

Staff recommends the City Council to authorize the City Manager to execute an agreement with the Smith-Emery Company for geotechnical and special inspections for the Public Safety Facilities Project in a not-to-exceed amount of \$73,491.55.

**ATTACHMENT**

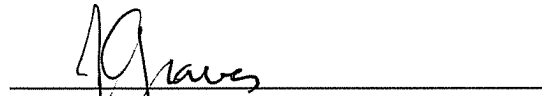
Proposal from the Smith-Emery Company, revised September 30, 2008

PREPARED BY:



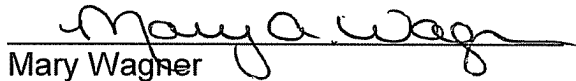
Loren Umbertis  
Swinerton Management & Consulting

REVIEWED BY:



Jeremy Graves  
Community Development Director

REVIEWED BY:



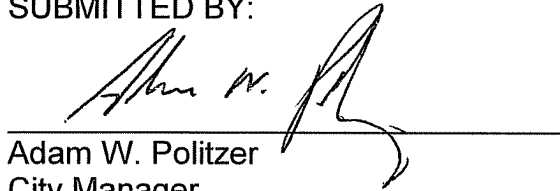
Mary Wagner  
City Attorney

SUBMITTED BY:



Louise Ho  
Administrative Services Manager

SUBMITTED BY:



Adam W. Politzer  
City Manager

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# SMITH-EMERY COMPANY

## MATERIALS TESTING AND INSPECTION SERVICES REQUEST FOR PROPOSAL

Sausalito Public Safety Facilities  
Sausalito, California

Mr. Loren Umbertis, Project Manager  
City of Sausalito, Community Development  
420 Litho Street  
Sausalito, CA 94965

REVISED SEPTEMBER 30, 2008

~~July 9, 2008~~

Janel Bronson - Vice President Marketing Northern California  
(415) 642-7326 x-234 – e-mail: [jbronson@sesanfrancisco.com](mailto:jbronson@sesanfrancisco.com)  
Bill Wood – Civil / Geotechnical Engineer  
Patrick Morrison – Registered Geologist

ATTACHMENT 485  
(19 PAGES) 3



## SMITH-EMERY COMPANY

The Full Service Independent Testing Laboratory, Established 1904

1940 Oakdale Avenue  
San Francisco, California 94124  
415-642-7326 Fax 415-642-7055

791 East Washington Blvd.  
Los Angeles, California 90021  
213-749-3411 Fax 213-746-7228

July 9, 2008

Mr. Loren Umbertis  
Swinerton Management & Consulting  
420 Litho Street  
Sausalito, CA 94965

### MATERIALS TESTING & INSPECTION SERVICES Public Safety Facilities Sausalito, California

Dear Mr. Umbertis:

Thank you for this opportunity to provide you with the qualifications of Smith-Emery Company for Materials Testing and Inspection Services for the City of Sausalito Public Safety Facilities project. As requested we are submitting 1 copy via electronic mail and 1 bound hard copy for your review. The information in our proposal is based on the project documents viewed on the suggested website. Since there is not a contractor or shop fabricator selected at this time, it might be beneficial to review these 2 schedules when they become available. The scheduling of these 2 sub contractors directly correlates with our scope of work and is helpful to have their information when putting a cost proposal together.

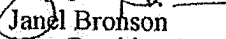
The person to whom correspondence should be directed during the selection process and the individual who will negotiate the contract is Janel Bronson, Project Manager. The person who is authorized to contractually bind the contract is Mr. James Partridge, President of Smith-Emery Company.

Please note our project management costs, as well as our travel time and mileage costs, are included in our hourly rate.

Our goal at Smith-Emery is to accomplish a successful contract by complimenting the members of the construction team. By staffing your project with an experienced team, we will work together to assure continuous communication and quality customer service are provided on a day to day basis for your project needs. Our personnel will be available at a moments notice for on site consultation or last minute requests.

Once again, thank you for your interest in Smith-Emery Company. We welcome the commitment to participate as part of the SMC City of Sausalito project team. If you or any member of the selection committee should have further questions, or require additional information regarding this proposal, or the services of Smith-Emery, please contact me at 415-720-4218 or e-mail [jbronson@sesanfrancisco.com](mailto:jbronson@sesanfrancisco.com).

Respectfully Submitted  
Smith-Emery Company

  
Janel Bronson  
Vice President Marketing  
Project Manager

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## **Sausalito Public Safety Facilities**

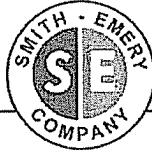
### **STATEMENT OF QUALIFICATION MATERIALS TESTING AND INSPECTION SERVICES**

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- 1. Smith-Emery Company Statement of Qualification**
- 2. Insurance Certifications**
- 3. Staff Qualifications / Resumes**
- 4. Cost Estimates**
- 5. Schedule of Rates**



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## SMITH-EMERY COMPANY

### MATERIALS TESTING AND CONSTRUCTION INSPECTION

**Company Name:** Smith-Emery Company  
**Address:** 1940 Oakdale Avenue San Francisco, CA 94124  
**Phone Number:** 415-642-7326 ext.234      **Fax number:** 415-642-7055  
**Contact Name:** Janel Bronson      **E-mail address:** jbronson@sesanfrancisco.com  
**Federal Tax ID #** 95-1232260      **Cell Phone:** 415-720 -4218  
**DSA Lea #**      056

**Type of Company:** Corporation      **Date formed:**      1904

**Union Affiliation:**      Operating Engineers Local 3

781 East Washington Boulevard, Los Angeles, CA 90021  
1195 North Tustin Avenue, Anaheim, CA 92807

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#### INSURANCE INFORMATION

**General Liability Limits:**      \$1 million per occurrence      \$2 million aggregate  
**Insurance Company/Address:** Gallagher Construction 580 California Street, Suite 1400 SF CA 94104

#### BANK REFERENCE

East West Bank    624 S. Grand Avenue Los Angeles, CA. 90017      Ann Tran 213-688-8600

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## *Welcome to Smith-Emery*

Smith-Emery Company was established in 1904 in San Francisco and is recognized as the oldest and largest independent materials testing laboratory on the West Coast. The Northern California Chapter of I.C.B.O. Special Inspection Committee also acknowledges Smith-Emery Company as a qualified material-testing laboratory. With over 300 employees in California, Oregon, and Shanghai PRC, Smith Emery Company serves as a single source of testing and inspection for all construction related services, from the *soil* to the *roof*.

## Capability

Smith-Emery offers a full range of inspection, testing and failure analysis services:

- Post Tensioning
- Masonry Inspection and Tests
- Batch Plant Inspection
- Non-Destructive Examinations
- Concrete Placement
- Concrete Compression Testing
- Mix Design; Trial Batching
- Reinforcing Steel Placement
- Reinforcing Steel Sampling/Testing
- Welding, Field /Shop
- Mechanical/Electrical Inspection
- Ceramic Tile Testing & Failure Analysis
- Earthwork Inspection and Testing
- Asphalt Concrete Inspection and Testing
- Curtain Wall Testing
- Flatness Testing & Flat Jack Testing
- Seismic Evaluation
- Laboratory Mock-ups
- Physical Lab Testing
- Roofing Inspections and Testing
- Wood Structure Inspection
- Gypsum Inspection
- Metallurgical Lab Testing
- Chemical Lab Testing
- Fireproofing Inspection and Testing
- Specialized Services
- Geotechnical Consulting
- Environmental Consulting

In addition to Uniform Building Code 1701, our services will be in conformance with the following guidelines or regulations where applicable.

- AWS            American Welding Society
- ICBO          International Conference of Building Official
- ICC            International Code Council
- ASTM         American Society for Testing and Materials
- ACIL          American Council of Independent Laboratories
- ANSI         American National Standards Institute
- ACI            American Concrete Institute
- ASNT         American Standard of Non Destructive Testing
- AASHTO      American Association of State Highway & Transportation Officials
- TISI          Thai Industrial Standards Institute
- BS EN        British and European Standards
- JIS            Japanese Industrial Standards
- GB            Chinese National Codes



## SMITH-EMERY COMPANY – GEOSERVICES DIVISION

Smith-Emery Geoservices division offers a full range of field inspection and testing services:

- Mass Grading Inspection and Testing
- Backfill Inspections
- Footing Inspections
- Asphalt Laydown Inspection
- Pile Driving and Caisson Inspection
- Drilled Footing Inspections
- Shoring Inspection
- Inspection of Tie-Back Anchors
- Batch Plant Inspection
- Soil Strength Analysis
- Soil Particle Size Analysis
- Aggregate Analysis
- R-Value
- Asphalt Pavement Analysis
- Soil Density
- Consolidation
- Soil Expansion Potential
- 40-Hour OSHA Haz Mat personnel available

All physical testing of soils and aggregates are performed in accordance with ASTM, AASHTO, or CalTrans specifications. Skilled technicians, utilizing state of the art equipment, assure high standards are maintained. A quality assurance program is in place providing regular review and update of staff skills, as well as a schedule of routine maintenance and calibration of laboratory equipment. Our computer system facilitates precise computation and presentation of laboratory data.

Geotechnical Engineering Services Include:

- Foundation and Landslide Studies
- Settlement Analysis
- Deep Foundation Design
- Shoring Design Parameters
- Pavement Design
- Forensic Studies
- Expert Witness Testimony





## Qualification & Accreditations

### Lab Qualifications

Smith-Emery is qualified and approved by the following organizations.

- ICBO Committee (International Conference of Building Officials)
- Bureau of Building Inspection, City of San Francisco
- OSHPD (Office of Statewide Health Planning and Development) TE-1000-3
- County and City of Sacramento
- ORS (Office of Regulatory Services)
- BART (Bay Area Rapid Transit)
- Special Inspection Committee  
(East Bay, Monterey & Peninsula ICBO Chapters)
- AASHTO
- United States Department of the Navy
- LEA #56 (Laboratory Evaluation Acceptance)

### Laboratory Affiliations

Smith-Emery is periodically examined by the:

- Cement and Concrete Reference Laboratory (CCRL) by  
National Bureau of Standard, Gaithersburg, Md.

*Also, we cooperate with CCRL in their Reference Sample Program, testing concrete samples under controlled circumstances.*

### Accreditations

Smith-Emery is accredited to the following organizations.

- International Conference of Building Officials (I.C.B.O.)
- City and County of San Francisco
- U. S. Navy Facilities Command, and Sea Systems Command
- Corps of Engineers, Army
- California Department of Health; Sanitation and Radiation Department
- Nuclear Regulatory Commission
- International Association of Plumbing & Mechanical Officials
- City and County of Sacramento
- Ceramic Tile Institute
- American Water Works Association: Water Quality Analyst
- Florida Light and Power



## MEMBERSHIP

Smith-Emery, or its employees, are members of the following organizations:

- American Chemical Society
- American Concrete Institute
- American Council of Independent Laboratories
- American National Standards Institute
- American Society of Civil Engineers
- American Society for Non Destructive Testing
- American Society for Testing Materials
- American Welding Society
- Association of Engineering Geologists
- Institute of Food Technology
- International Association of Plumbing & Mechanical Officials
- Soil & Foundation Engineers Association
- Structural Engineers Association
- Chi Epsilon
- Geological Society of America
- California Council of Testing and Inspection Agencies

## Back-Up Staff

Smith-Emery has the following mix of personnel available at its three California facilities:

Professional Engineers.....	12
Geotechnical Engineers .....	5
Engineering Geologists.....	8
Field Inspectors.....	200+
Soils Technicians.....	20+
Laboratory Personnel.....	20+

In all, over 300 people are employed by Smith-Emery. Because of the ample staffing, we are able to assign specialists to jobs when and where needed, and provide response to unusual or urgent needs without undue delay.



## **In-House Laboratory**

### **Curing Room**

Smith Emery has recently constructed a new state-of-the-art Concrete Sample Curing Room. Temperature and moisture are controlled by a digital humidistat air/water spray system to pay strict adherence to ASTM C-511 requirements. This 16' by 26' storage/curing facility has a capacity of over 3,000 cylinders, more than enough for a number of large-scale projects at one time.

### **Asphalt Testing Equipment**

Our new asphalt testing laboratory is ready to handle any needs for your roadway, taxiway or parking lot projects. Our laboratory features a new Cox California Kneading Compactor. This Cox machine enables us to perform asphalt stability tests, density tests, asphalt "S" values, and soil "R" values in-house. In addition, we can perform maximum marshall, extraction gradation, and specific gravity testing. Currently we are part of the AASHTO Sample Proficiency Testing Program.

### **Special Testing Capabilities**

Mr. Wylie Stevenson, our Manager of Specialized Testing and Investigations, directs our laboratory staff during all specialized testing including brick shear testing for unreinforced masonry buildings, window water penetration/air intrusion testing, and field proofloading.

### **Low Break/Failure Notification Procedures**

If a sample does fail to achieve the designed strength we will contact the project structural engineer or owner's designated representative the same day.

### **Tool/Equipment Maintenance Program**

All laboratory/field equipment is checked and calibrated in accordance with ASTM, ACI, AWS, or project specific requirements. Our in-house quality control program ensures that equipment not in good working condition be repaired or replaced.

### **Laboratory Safety Program**

Our laboratory safety program for in-house personnel includes safety training and regular safety equipment replacement. Under direction of the laboratory quality control/safety manager, Allen Miranda, we regularly have independent surveys of the laboratory including new safety equipment training for laboratory and inspection personnel.

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## **Project Engineer/Laboratory Engineer – Northern California**

Mr. Bill Wood, P.E., will provide day-to-day technical backup for clients and inspection staff. He has more than thirty years experience in construction engineering and management. He oversees the technicians responsible for performing our customer's project code, required laboratory testing, and/or manufacturer's product testing. In addition, he supervises field special testing for shear tests and bolt testing.

### **Inspectors**

Smith-Emery Co. inspectors are trained, have experience, and are certified by I.C.B.O. in their respective disciplines e.g. concrete, steel, masonry, and fireproofing. In addition, we have inspectors with OSHPD Certification as well as O.S.A. as required for hospital/school projects. Some of our inspectors are certified in General Building and other specialty areas such as mechanical/electrical/plumbing.

### **Administration**

Our administrative office personnel focus on the invoicing, billing procedures, and report documentation to ensure satisfaction of the clients stated requirements. Ms. Alfreda Lee supervises the San Francisco clerical office. One of the most important functions of our administrative office is to provide complete and accurate inspection reports. In addition, they are directly responsible for providing proper invoicing, as well as, project specific billing procedures and/or forms. This includes a standard check with dispatch to reconcile the inspector's time as reported. Our administrative staff will work closely with the project manager to make sure your needs are met.

### **Reporting**

Weekly field reports are processed through our central computer data management system, and distributed during the following week. Test results in the lab are similarly processed, but distributed within three to five days of test performance. Sub-standard results are immediately phoned to the proper party at the time the test is run.



## **Dispatch**

Our dispatcher, Mr. Frank Iriarte, serves as a first level point of contact for our client's field offices. Mr. Iriarte tracks inspection schedules, dispatches inspectors with the proper certifications, coordinates the delivery of testing and sampling equipment to the project site, and notifies inspectors of any special field requirements before the inspector is on site. Multi-disciplined inspectors will be dispatched whenever applicable to minimize the requirement for additional inspectors on site.

Smith-Emery has a proven track record of facilitating "same day" requests for inspection. Typically we require 24 hour notification for field inspections. Requests for sample pick-ups will be handled by one of our roaming sample pick-up trucks. These trucks are equipped with specifically designed sample racks to eliminate any wear or damage to the samples when in transport.

## **Marketing/Project Management**

Ms Janel Bronson, V.P., heads our marketing department in Northern California. One of the most important responsibilities for our marketing department professional is to function as the project liaison. Initially we make contact, coordinate estimates, develop the proposals, and arrange for the signing of the contract. Marketing sets up the distribution of technical reports and invoicing. After a project start-up meeting is conducted and the project set-up is complete, the marketing representative will coordinate with engineering and inspection for technical supervision throughout the contract. The marketing representative remains available to the client for the duration of the project in the capacity of project manager, assisting in your needs right through to the final affidavit.

## **Budget Control/Invoicing**

Costs can be monitored on a monthly or weekly basis on large jobs. We track actual vs. budgeted costs and man-hours. Our invoices reflect the date the work was performed, the employee number of the inspector, the services performed, and a reference to the report number. They also reflect the budget-to-date and the amount previously billed along with the current invoice amount



## **Smith-Emery Is An Equal Opportunity Employer**

**Smith-Emery is committed to equal opportunity employment. We do not discriminate on the basis of race, color, religion, national origin, sex, marital status, age, mental or physical disability, medical condition, Vietnam-era veteran status or any other impermissible basis. We apply the principle of equal opportunity to all employment practices including recruitment, hiring, promotion, training, job assignment, pay, promotion, benefits, leave, layoff and termination.**

## **Professional Education of Staff**

**Smith-Emery Company is committed to ongoing education of our staff through outside sources as well as internal education. Our engineers and geologists regularly attend professional seminars offered by industry experts and government agencies on a wide range of topics related to the building industry. They also attend graduate level continuing education courses at local colleges and universities. Our inspectors are trained internally by our professional staff in their prospective disciplines for renewing and upgrading certifications. We fund our inspectors training courses at outside training facilities and their certification exams. Training includes, but is not limited to, ICBO, ACI, AWS, DSA, Caltrans, OSHPD, Radiation Safety, and Hazardous Waste Operations.**



## Project Experience

### **California Academy of Sciences Golden Gate Park**

Date of Construction: 2005 - Current  
Owner: T.J. Reagan, Inc – Terry Reagan – 415-905-5366  
Contractor: Webcor  
Architect: Renzo Piano, Genoa, Italy / Chong Partners, SF  
Structural Engineer: Ove Arup  
Services Performed: Steel, Concrete, Shotcrete, Masonry  
Reviewing Agency: City of San Francisco Bureau of Inspection

### **Golden Gate Park Music Concourse Underground Parking Structure**

Date of Construction: 2004- 2005  
Owner: MCCP – Richard Soohoo - 415-335-5584  
Contractor: Swinerton Builders  
Architect: Gordon H. Chong & Partners  
Structural Engineer: Walker Parking Consultants  
Services Performed: Cast in Place Concrete, Post Tension Concrete, Shotcrete, Masonry, Anchors and Waterproofing  
Reviewing Agency: City of San Francisco Bureau of Inspection

### **The Cliff House Renovation and Restoration**

Date of Construction: Investigation 2002 / Construction 2003-2004  
Owner: National Park Service – Carrie Strahan – 415-561-4931  
Contractor: Nibbi Brothers  
Architect: C. David Robinson Architects  
Structural Engineer: SOHA  
Services Performed: Steel, Concrete, Shotcrete, Proofloading, Ultrasonic Testing, Waterproofing, Fireproofing  
Reviewing Agency: National Park Service / City of San Francisco

### **The J. David Gladstone Institute – Mission Bay, San Francisco**

Date of Construction: 2003-2004  
Owner: Mezzatesta-Sklar – Todd Sklar – 415-282-3930  
Contractor: Rudolph & Sletten – Patrick Morrissey – 415-412-5355  
Architect: NBBJ – Steve Ryder – 415-981-1100  
Structural Engineer: Rutherford & Chekene – Joe Ungerer – 510-740-3200  
Services Performed: Steel, Concrete, Shotcrete, Proofloading, Fireproofing, Roofing, Masonry, Ultrasonic Testing, Waterproofing  
Reviewing Agency: City of San Francisco Bureau of Inspection



## Project Experience

### **El Camino Replacement Hospital & Central Plant – Current**

Date of Construction: 2006-Current  
Owner: El Camino Hospital – Ken King – 650-988-7887  
Contractor: Rudolph & Sletten – Mike Hazel – 650-625-3954  
Structural Engineer: Dasse Design, Inc.  
Construction Value: \$375 Million  
Services Performed: Concrete, Shotcrete, Masonry, Structural Steel, Ultrasonic & Mag Particle testing, Pull testing, Fireproofing and Roofing  
Reviewing Agency: OSHPD

### **State Compensation Insurance Fund Vacaville Campuses – Current**

Date of Construction: 2007-Current  
Owner: State Compensation Insurance Fund–Gary Favre-415-565-1232  
Contractor: Devcon Construction  
Structural Engineer: Middlebrook and Louie  
Construction Value: \$80 Million  
Services Performed: Concrete, Shotcrete, Masonry, Structural Steel, Ultrasonic Pull testing, Fireproofing and Roofing  
Reviewing Agency: City of Vacaville

### **Solano County Government Center**

Date of Construction: 2002-2004  
Owner: County of Solano – Lowell Brown - 925-382-6001  
Contractor: Clark Design Build  
Architect: KMD  
Structural Engineer: Beuhler & Beuhler  
Construction Value: \$ 80 Million  
Services Performed: Steel, Concrete, Shotcrete, Proofloading, Fireproofing, Roofing, Masonry, Ultrasonic Testing, Waterproofing  
Reviewing Agency: County of Solano Environmental Management

### **Monterey County Government Center Administration Bldg**

Date of Construction: 2003-2004  
Owner: County of Monterey CPM – Linda Butson – 831-796-3071  
Contractor: Skanska USA  
Architect: HOK  
Structural Engineer: Middlebrook & Louie  
Construction Value: \$ 25 million  
Services Performed: Steel, Concrete, Shotcrete, Fireproofing, Roofing, Masonry Ultrasonic Testing, Waterproofing, Geotechnical Services  
Reviewing Agency: Monterey Planning & Building Inspection





## Project Experience

**San Francisco / Oakland Bay Bridge East Span Temporary Bypass Structure**  
Date of Construction: 2004-Current **Shanghai, China / Shop Fabrication**  
Owner: Caltrans – Dustin Allred – 858-278-3600 / 858-699-0514  
Contractor: CC Myers – Bob Coupe – 916-635-9370  
Structural Engineer: Imbsen & Associates  
Construction Value: \$90 Million  
Services Performed: Developed Quality Control Plan. Visual Welding Inspection, UT, X-ray, and Quality Control services for the shop fabrication Inspection at Shang Hai Grand Tower, China.  
Reviewing Agency: Caltrans

**San Francisco / Oakland Bay Bridge East Span Skyway**  
Date of Construction: 2003-2007  
Owner: Caltrans – Brian Maroney – 916-227-8867  
Contractor: Kiewit / FCI / Manson  
Structural Engineer: T.Y. Lin International  
Construction Value: \$1.2 Billion  
Services Performed: Pre cast Concrete inspection, Creep of concrete in compression, Drying Shrinkage, Aggregate testing, Sieve Analysis, Durability, Modules of elasticity, relative mortar strength.  
Reviewing Agency: Caltrans

**Muni New LRV East Vehicle Maintenance & Operations Facility**  
Date of Construction: 2004-Current  
Owner: San Francisco Municipal Railway–Dennis Herrera-415-706-6108  
Contractor: McCarthy  
Structural Engineer: AGS / GFI & Association  
Construction Value: \$100 Million  
Services Performed: Geotechnical, Environmental Services, Soils testing and inspection, Concrete, Masonry, Structural Steel inspection.  
Reviewing Agency: San Francisco Municipal Railway/Federal Transit Administration

**California Pacific Medical Center New MOB & Davies Hospital Renovations**  
Date of Construction: 2007-Current  
Owner: CPMC – Ken Howard – 415-205-6432  
Contractor: Herrero Contractors, Inc.  
Structural Engineer: Rutherford & Chekene  
Construction Value: \$200 Million  
Services Performed: Concrete, Shotcrete, Masonry, Structural Steel, Ultrasonic & Mag Particle testing, Pull testing, Fireproofing and Roofing  
Reviewing Agency: City of San Francisco / OSHPD

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SMITH-EMERY COMPANY

SAUSALITO  
PUBLIC SAFETY FACILITIES

RECEIVED  
SEP 30 2008  
CITY OF SAUSALITO  
COMMUNITY DEVELOPMENT

<b>Police Station &amp; Fire Station</b>						
<b>Sausalito, California</b>						7/9/2008
Special Inspection and Materials Testing Budget Estimate						
Plans Dated: 06/16/08						
Schedule Dated: None						
Specification Dated: 06/16/08						
<b>Inspections / Testing</b>						
	<b>DAYS</b>	<b>SAMPLES</b>	<b>HOURS</b>	<b>RATE</b>	<b>ESTIMATED TOTAL</b>	
<b>Concrete (CIP)</b>						
Reinforcing Steel / Bolts in Concrete	21		168	\$68.50	\$11,508.00	
Concrete Placement	21		168	\$68.50	\$11,508.00	
Cylinder Compression Tests (4/ 100cuys)		92		\$15.00	\$1,380.00	
Pick-up Concrete Cylinders		92		\$8.85	\$814.20	
Mix Designs		5		\$80.00	\$400.00	
<b>Pre-Cast Concrete</b>						
Plant Inspections	1		8	\$68.50	\$548.00	
<b>Masonry</b>						
Installation	12		96	\$68.50	\$6,576.00	
Preconstruction Prisms		5		\$135.70	\$678.50	
Pick-up Prisms		5		\$8.85	\$44.25	
Mortar Samples		9		\$20.00	\$180.00	
Grout Samples		9		\$20.00	\$180.00	
Pick-up Samples		16		\$8.85	\$141.60	
Mix Design Review		1		\$80.00	\$80.00	
<b>Structural Steel ( welding &amp; high strength bolting, metal deck &amp; stairs)</b>						
Field Inspection	30		240	\$68.50	\$16,440.00	
Shop Inspection -- Local Shop	15		120	\$68.50	\$8,220.00	
WPS Review	2			\$80.00	\$160.00	
<b>Final Letter</b>						
Assume One Affidavit		1		\$290.00	\$290.00	
<b>Subtotal Inspection Budget</b>						<b>\$59,148.55</b>
<b>GeoServices</b>						<b>\$14,343.00</b>
<b>Total Inspection Budget</b>						<b>\$73,491.55</b>

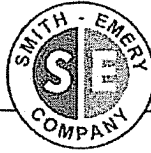
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**SMITH-EMERY COMPANY**

**SAUSALITO  
PUBLIC SAFETY FACILITIES**

<b>Police Station &amp; Fire Station</b>						
<b>Sausalito, California</b>						
Special Inspection and Materials Testing Budget Estimate						7/9/2008
Plans Dated: 06/16/08						
Schedule Dated: None						
Specification Dated: 06/16/08						
<b>Inspections / Testing</b>						
	<b>DAYS</b>	<b>SAMPLES</b>	<b>HOURS</b>	<b>RATE</b>	<b>ESTIMATED TOTAL</b>	
<b>Concrete (CIP)</b>						
Reinforcing Steel / Bolts in Concrete	21		168	\$68.50	\$11,508.00	
Concrete Placement	21		168	\$68.50	\$11,508.00	
Cylinder Compression Tests (4/100cuys)		92		\$15.00	\$1,380.00	
Pick-up Concrete Cylinders		92		\$8.85	\$814.20	
Mix Designs		5		\$80.00	\$400.00	
<b>Pre-Cast Concrete</b>						
Plant Inspections	1		8	\$68.50	\$548.00	
<b>Masonry</b>						
Installation	12		96	\$68.50	\$6,576.00	
Preconstruction Prisms		5		\$135.70	\$678.50	
Pick-up Prisms		5		\$8.85	\$44.25	
Mortar Samples		9		\$20.00	\$180.00	
Grout Samples		9		\$20.00	\$180.00	
Pick-up Samples		16		\$8.85	\$141.60	
Mix Design Review		1		\$80.00	\$80.00	
<b>Structural Steel (welding &amp; high strength bolting, metal deck &amp; stairs)</b>						
Field Inspection	30		240	\$68.50	\$16,440.00	
Shop Inspection - Local Shop	15		120	\$68.50	\$8,220.00	
WPS Review	2			\$80.00	\$160.00	
<b>Final Letter</b>						
Assume One Affidavit		1		\$290.00	\$290.00	
<b>Subtotal Inspection Budget</b>	<b>102</b>	<b>235</b>	<b>800</b>		<b>\$59,148.55</b>	

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Sausalito Public Safety Facilities  
 Police Station & Fire Station  
 Sausalito, California

9-Jul-08

**GeoServices**  
**Soils Testing and Inspection Budget Estimate**

<u>Field Inspection</u>	<u>Days</u>	<u>Hours</u>	<u>Rate</u>	<u>Extension</u>
Driven Pile Quality Assurance/Observation & Reporting	7	56	\$72.00	\$4,032.00
Earthwork Compaction				
Grading, Backfill & Compaction	8	64	\$72.00	\$4,608.00
Utilities Backfill	6	48	\$72.00	\$3,456.00
Spread Footing Inspections	2	16	\$72.00	\$1,152.00
<b>SUBTOTAL INSPECTION</b>	<b>23</b>	<b>184</b>		<b>\$13,248.00</b>

<u>Laboratory Testing</u>	<u>Tests</u>	<u>Rate</u>	<u>Extension</u>
- Maximum Density	3	\$205.00	\$615.00
<b>SUBTOTAL TESTING</b>	<b>3</b>		<b>\$615.00</b>

<u>Review and Reports</u>	<u>Hours</u>	<u>Rate</u>	<u>Extension</u>
- Staff Professional / Engineer Review	6	\$80.00	\$480.00
<b>SUBTOTAL REVIEW AND REPORTS</b>	<b>6</b>		<b>\$480.00</b>

**TOTAL GEOTECHNICAL INSPECTION & TESTING BUDGET** **\$14,343.00**

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**Sausalito Public Safety Facilities  
Clarification of Rates**

• ICBO/AWS Certified Inspectors	\$68.50/hr
• Compression Tests	\$15.00/ea
• Mix Design Review	\$80.00/ea
• WPS Review	\$80.00/ea
• Final Affidavit	\$290.00/ea
• Pick Up Samples	\$ 8.85/ea
• Travel Time	No Charge (Included in hr. rate)
• Mileage	No Charge (Included in hr. rate)
• Equipment	No Charge (Included in hr. rate)
• Reimbursable Expenses	None
• Misc. Mark-ups	None
• Project Management	No Charge
• Administrative Support	No Charge
• Reports	No Charge
• Show-Up Time	2 hr. Charge (No work performed)
• Minimums	4 / 8 hr. Charges
• Work Over 8 hours and Saturdays	Time & One half
• Sundays and Over 8 hours on Saturday	Double Time
• Holidays	Triple Time
• Swing / Night Shift Shop Fabrication	12.5%
• Per Diem (Out of State Work)	\$100.00 / day per Union Contract