MEETING DATE: 4/13/09

AGENDA ITEM: Authorization to Award Professional Services Agreements with Associated Soils Engineering, Inc., Geo-Environmental, Inc., Ninyo and Moore Consultants, PSI Inc,. Southwest Geotechnical, Inc., Terracon Consultants, Inc., and Zeiser-Kling Consultants for Geotechnical Engineering and Constructions Services

ATTACHMENTS

		Pages
1	Associated Soils Engineering, Inc., Geo-Environmental, Inc., Ninyo and Moore Consultants, PSI Inc., Southwest Geotechnical, Inc., Terracon Consultants, Inc., and Zeiser-Kling Consultants, Inc., statement of qualifications.	1-80

STATEMENT OF QUALIFICATIONS

Prepared for

CITY OF CULVER CITY
ENGINEERING DIVISION

9770 CULVER BOULEVARD
CULVER CITY, CALIFORNIA 90232

Submitted By:

ASSOCIATED SOILS ENGINEERING, INC.
2860 Walnut Avenue
Signal Hill, California 90755
(562) 426-7990 Phone
(562) 426-1842 Fax
Edward C. (Ted) Riddell, President
Email: ted@associatedsoils.com

March 6, 2009

SOILS ENGINEERING, INC.
Consulting Geotechnical Engineers

2860 WALNUT AVE. · SIGNAL HILL, CALIF. 90755 · PHONE 562/426-7990 · FAX 562/426-1842

March 6, 2009
Proposal No. P09-036

City of Culver City
Engineering Division
9770 Culver Boulevard
Culver City, California 90232

Attention: Mr. Sammy Romo

Subject: **Statement of Qualifications** - Geotechnical Engineering and Material Testing Services

Dear Mr. Romo:

In response to our recent telephone conversation, Associated Soils Engineering, Inc., is pleased to submit the attached Statement of Qualifications (SOQ) for consideration of providing on-call geotechnical engineering and material testing consultant services for potential projects for the City of Culver City (City).

Associated Soils Engineering, Inc. (ASE) has provided geotechnical design, materials testing and construction testing services for over three decades in Southern California and can use the vast experience, information and data gathered over the years to provide quick and cost-effective geotechnical solutions to your project. Our in-house laboratory facilities are Certified by the Division of State Architect (DSA), as well as AASHTO/CCRL and AMRL (Hot Mix Asphalt, Aggregate, Soil, & Portland Cement Concrete), and the City of Los Angeles. ASE is Certified as a SBE/VSBE with the *Coalition of Southern California Public Agencies* and as a SLBE by the City of Los Angeles. ASE provides exemplary engineering and geologic field exploratory services, observation and testing of compacted fills and materials testing. Our company will be 1) sensitive and responsive to directions from the representatives of the City, 2) honest, forthright, and clear in billing and invoicing, and 3) dependable with respect to the execution of all project tasks.

The combined expertise of our highly qualified team allows us to offer a broad spectrum of geotechnical engineering, field exploration and laboratory testing services. Our team has completed hundreds of projects for various municipalities within southern California. All of these projects were performed in accordance with relevant Federal, State and local codes and requirements pertaining to resident engineering design, laboratory testing, construction inspection, and specialty materials inspection and testing.

If there are any questions regarding this Statement, or if you desire additional information or clarification, please do not hesitate to call us at (562) 426-7990.

Respectfully Submitted,

ASSOCIATED SOILS ENGINEERING, INC.

Edward C. (Ted) Riddell
President, Principal Engineering Geologist

Firm's Background Information (Company's History):
The firm of Associated Soils Engineering, Inc. (ASE) was incorporated in 1974, in the State of California. ASE, headquartered in Signal Hill, California, has been in business in the Long Beach/Signal Hill area for over 30 years providing services to many municipalities as well as private industry throughout Southern California. These facilities are considered among the best in Southern California providing testing services for many competitors as well as for the in-house clients. **ASE's in-house laboratory is certified by the State of California Division of State Architect (DSA) as well as AASHTO/CCRL and AMRL (Hot Mix Asphalt, Aggregate, Soil, & Portland Cement Concrete), and the City of Los Angeles.** Associated Soils Engineering, Inc. has a commitment to provide Geotechnical/Geologic consulting and soils and materials testing services with a high degree of professional excellence and proficiency. We strive to offer our clients individual attention and provide innovative solutions at a competitive cost, from our headquarters, located in Signal Hill, California. ASE has provided geotechnical design, material testing, and construction testing services for over three decades in Southern California and can use the vast experience, information and data gathered over the years to provide quick and cost-effective geotechnical solutions to your project. ASE currently has 16 employees which work directly out of our headquarters in Signal Hill, California. ASE is legally permitted and licensed to conduct business in the State of California for the services offered. **ASE is recognized and certified by The Coalition of Southern California Public Agencies as a Small Business Enterprise (SBE). ASE is also certified by the City of Los Angeles as a Small Local Business Enterprise (SLBE).**

Executive, Project Management, & Accounting:
The following key personnel are available to assist the City with its upcoming projects. Our proposed team has the technical expertise and experience that exceeds the minimum requirements of most any project qualifications.

Associated Soils Engineering, Inc. has assembled a very experienced team based entirely out of our Signal Hill, California office. The team will be led by **Edward C. (Ted) Riddell, P.G., C.E.G.** and **Lawrence J.D. Chang, P.E.**, with support from **L. Fernando Aragon, G.E.** All are experienced in field investigation, engineering and geological analysis, and construction management with relevant projects.

The following key personnel have been assigned to assist the City with any upcoming projects.

Name	Office	Years Practicing	Project Responsibility
Edward C. (Ted) Riddell, P.G., C.E.G	***ASE***	***23***	***President, Principal Geologist City's Point-of-Contact***
L. Fernando Aragon, R.C.E., G.E.	ASE	39	Principal Geotechnical Engineer
Lawrence J.D. Chang, R.C.E.	ASE	18	Senior Project Engineer
John Whitney, P.G., C.E.G	ASE	22	Senior Project Geologist
Donald Zike	ASE	31	Laboratory Manager
Gary Martin, B.S.	ASE	31	Project Engineer
Craig Weatherholt	ASE	21	Senior Engineering Technician
M. Oscar Blanco	ASE	19	Senior Engineering Technician

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Experience with other Agencies/Clients:
The following is a list various services performed. Our Clients are our best testimonials, and we encourage prospective clients to call upon them for a reference on our performance.

Project Description	Municipality/Contact Name
Geotechnical Observation & Testing During Construction – New A&A Ready Mix Plant; New Proposed Auto Dealership (Soils and Asphalt Testing)	City of Signal Hill Redevelopment Agency 2175 Cherry Avenue Signal Hill, CA 90755-3799 Mr. Anthony Caraveo (562) 989-7300
Geotechnical Investigations, Observation & Testing During Construction – Various Projects (Soils Testing)	City of Covina Redevelopment Agency 125 College Street Covina, California 91723 Ms. Lisa Brancheau (626) 858-7201
Geotechnical Investigations, Observation and Grading During Construction – Various Projects (Deep Foundations, Shoring Design & Construction)	Long Beach Transit 1963 East Anaheim Avenue Long Beach, California 90801 Mr. Steve Watt (714)235-8408
Street and Utility Replacement/Rehabilitation – Various Projects (Soils and Asphalt Testing)	City of Garden Grove 13802 Newhope Street Garden Grove, California 92843 Mr. Mark Uphus (714) 741-5395
Utility Rehabilitation Projects (Soils Testing)	Crescenta Valley Water District 2700 Foothill Blvd. La Crescenta, California 91214 Mr. David Gould (818) 248-3925
Pavement Design and Street Rehabilitation Projects (Soils and Asphalt Testing)	City of Lakewood, California 5050 N. Clark Avenue Lakewood, California 90712 Mr. Max Withrow (562) 866-9771
Geotechnical Investigations, Observation & Testing During Construction – Various Projects (Geotechnical Liquefaction Investigations, Percolation Testing, Foundation and Pavement Designs, Soils & Asphalt Testing)	City of Bellflower 16600 Civic Center Drive Bellflower, California 90706 Mr. Jerry Stock (562) 804-1424

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Service Categories

Associated Soils Engineering, Inc. (ASE) offers a comprehensive range of geotechnical and material testing services as outlined below. These services are available to our clients throughout the various phases of a project, from site selection and project feasibility evaluation, through planning, design and construction. Associated Soils Engineering, Inc. has a commitment to provide Geotechnical consulting services with a high degree of professional excellence and proficiency. Our geotechnical consulting and material testing services are performed by a professional technical staff and/or consultants which includes geotechnical engineers, engineering geologists, geophysicists, materials testing engineering, field technicians and civil engineers. Please see the Appendix for personnel qualifications.

Geologic Studies

Associated Soils Engineering, Inc. provides geologic studies both as part of geotechnical engineering projects and as individual engineering geologic projects. These studies include assessments of geologic hazards such as landsliding and faulting, stability of coastal bluffs, excavation characteristics of rock units, and geologic characteristics of subsurface conditions, including downslope soil creep and subsidence.

The scope of studies provided ranges from field reconnaissance to more complex evaluations of geologic conditions using various subsurface and remote sensing techniques. These include drilling, trenching, stereoscopic aerial photograph review, geophysics and detailed mapping.

Seismic Studies

Members of our staff and consultants team have performed Alquist-Priolo Special Seismic Zone studies for many of the faults in Southern California. These studies enable projects to be designed to accommodate and mitigate the presence of active and potentially active faults on numerous sites, which results in maximum utilization of land while incorporating seismic safety.

These studies provide seismic design criteria for many facilities including high-rise buildings, hospitals, dams, projects on ground susceptible to liquefaction and projects located on or adjacent to faults. The results of the seismic studies normally yield recommendations for mitigating earthquake hazards.

Municipal Services

Our staff possesses considerable experience providing geotechnical, geologic and engineering support to municipal agencies. We provide specific support to Planning, Building, Public Works and Utilities Department Management and staff. Examples of our services includes assistance in the formation of Geologic Hazard Assessment Districts (GHAD) for remediation of unstable bluffs affecting multiple properties, land planning issues resulting from regional geologic factors such as floodways, liquefaction, shallow groundwater, hazardous methane gas emissions, active faulting, establishment of original ground planes for building height determinations, as well as remediation of sites containing hazardous materials and contaminated groundwater as part of rezoning for residential use.

Laboratory Services

- **ASE's in-house laboratory is certified by AASHTO/CCRL and AMRL (Hot Mix Asphalt, Aggregate, Soil, & Portland Cement Concrete), DSA and the City of Los Angeles.** ASE's laboratories are under the technical supervision of a registered Geotechnical Engineer. Our laboratories meet with applicable ASTM and Caltrans procedures.

General Technical Approach to Projects

Field Observation and Testing

Prior to start of construction, our field engineer will walk the construction site to obtain a personal knowledge of the work and verify that construction conforms to approved documents. He/she will inspect all work before it is covered or closed in as other construction work. ASE will provide specific services based on each specific project, if selected to serve the City. The following is a general description of our methodology for the range of services that we provide for subsurface exploration projects.

Geotechnical Investigation Services

- Subsequent to notifying Underground Service Alert (USA), ASE will perform the geotechnical engineering investigation of a site, including all necessary geologic research, site reconnaissance, geologic mapping, field investigation utilizing the appropriate subsurface exploration technique (i.e. hollow-stem auger borings, bucket auger borings, test pits, pavement coring, downhole logging, etc.), laboratory testing and engineering analysis sufficient to prepare a comprehensive geotechnical report suitable for submission to the City for grading/building permit purposes. ASE maintains a coring machine and is capable of extracting concrete and asphalt cores of varying diameters up to approximately 16 inches thick.

- The geotechnical report will include a seismic hazard evaluation of the site, including, but not limited to, a determination of expected ground motions, and the potential for liquefaction, landslides and fault rupture. ASE will provide detailed, logical, comprehensive, well written, and easy to understand draft and final reports. The discussion shall be directly linked to the findings and observations made during the investigation. The reports shall include a detailed description of methods, procedures, rationale, as well as descriptions of any instrumentation and equipment used. All data shall not only be presented in appendices to the reports, but shall also be discussed in a scientifically sound manner.

- Recommendations for site grading, excavations, foundation/shoring design and paving.

Construction Monitoring

Our engineering technician shall inspect and evaluate excavation of trenches, subgrade during the improvements of subject project. The objective of the inspection is to ensure that the excavation for the proposed structure has exposed competent material at the bottom. If excavation results in exposure of saturated, incompetent material at the bottom, proper remediation measures will be recommended. The sides

of the excavation will be inspected for any seeping water. During field observation, a technician will observe maximum permissible length of open trench, maximum and minimum width of trench, and safe access to trenches, removal and replacement of surface improvements (curbs, sidewalk, driveways, AC pavements etc. dewatering operations, and bracing excavation.

Evaluation of Imported Earth Material to be Used as Fill

The assigned engineering technician will collect samples of the proposed fill material and take them to the soils laboratory. Appropriate soil classification tests will be performed to determine whether the fill material meets project specifications. He will observe the condition of the imported materials. The presence of rocks, broken concrete, or other solid material that is larger than the specified dimension (mostly 4 inches) shall be brought to the knowledge of the contractor for its replacement. The contractor shall be requested to break the clods or hard lumps of earth materials greater than the required dimension before compacting the material in fill.

Evaluation of Compaction Procedures

The technician shall also evaluate the compaction procedure of backfill of trench excavations to ensure that the project specifications have been followed. He shall inspect to determine whether the fill material is being placed in horizontal layers and is compatible to the type of compacting equipment. The compactors used for achieving the right degree of relative compaction may be sheepsfoot rollers, pneumatic-tired rollers, or any other mechanical equipment, compatible to the type of fill materials used for backfilling operations. The field technician will also inspect the moisture content of the fill material in order to ensure that the specified relative compaction is achievable with the inspected moisture content.

Testing of Compaction, Moisture Content, etc.

Our technician shall conduct compaction tests by Sand Cone Testing Method (ASTM D1556) and Nuclear Method (ASTM D 2922-01) to determine the relative compaction. Generally, a minimum of one compaction test will be conducted at every 250 feet of trench, and backfill at 2 feet deep intervals depending upon the type of structure.

During the progress of our work, our engineering technician will prepare daily field reports. A copy of these reports will be submitted to the construction manager/resident engineer on a daily basis. The report will include a written summary of the day's activities, a summary of all field-testing preformed, and a listing of outstanding failing tests which have not been reworked/retested. In addition, the location of all field density tests taken during the project will be plotted on a set of plans that is maintained by the field technicians in the trenches. The construction manager will be notified of any concrete breaking results which do not meet the required strength within 24 hours.

Testing time and the associated fees can be minimized by proficient and timely work by the Contractor and by coordination of the Project Manager with the Project Director, City Inspector and our team's Engineers and Technicians. When a larger number of tests are scheduled at one time, greater efficiency can be achieved, resulting in lower overall fees.

ASE assumes and expects that is the contractor's responsibility to abide by all laws and regulations (CAL-OSHA) in providing for a safe workplace for site personnel. This includes, but is not limited to, providing shoring or other protective means necessary to allow our soils technician to safely perform the required work.

Special Inspection Services

Special Inspections will be conducted by our inspector to the satisfaction of County officials. Our special inspectors are qualified in asphaltic concrete (AC), structural steel, structural welding, structural masonry, and batch plant inspection, rebar placement, epoxy anchors or dowel testing and piles installation operations. ASE will observe the work assigned for conformance to the approved design drawings and specifications. Our special inspectors will prepare inspection reports and submit to the City's representative. He/she will notify the Contractor of any discrepancy for correction. A final signed report stating the work is performed in conformance with the project specifications shall be submitted to the appropriate manager in charge.

Testing time and the associated fees can be minimized by proficient and timely work by the Contractor and by coordination of the Project Manager with the Project Director, City Inspector and our team's Engineers and Technicians. When a larger number of tests are scheduled at one time, greater efficiency can be achieved, resulting in lower overall fees.

ASE assumes and expects that is the contractor's responsibility to abide by all laws and regulations (CAL-OSHA) in providing for a safe workplace for site personnel. This includes, but is not limited to, providing shoring or other protective means necessary to allow our soils technicians and inspectors to safely perform the required work.

Laboratory Testing

ASE's engineering technician will collect representative soil samples used for fill and backfill; and conduct laboratory testing to determine soil classification, maximum density and optimum moisture content, sand equivalent, and classification of aggregate base materials and bituminous paving mixtures to ensure compliance with the contract specifications and standards. **ASE's in-house laboratory is AASHTO/CCRL and AMRL (Hot Mix Asphalt, Aggregate, Soil, & Portland Cement Concrete) certified.** ASE is also certified by the City of Los Angeles. ASE's laboratories are under the technical supervision of a registered Geotechnical Engineer. Our laboratories meet with applicable ASTM and Caltrans procedures. Some of the Laboratory tests offered include:

- Maximum Density-Optimum Moisture Determinations
- Consolidation Tests
- Direct Shear Tests
- Expansion Index Tests
- Sulfate Content Tests
- Atterberg Limits Determinations
- Sand Equivalent Tests
- R-Value Tests
- Sieve Analyses

- Hydrometer Analyses
- Specific Gravity Tests
- Permeability Tests
- Materials Testing
- Concrete Compression Testing
- CBR Test
- Asphalt Concrete Mix Design by Marshall or Stabilometer Method
- Field Density for Compacted Mix
- Extraction of Bituminous Materials
- Ignition Oven Determination of Various Types of Asphalt Binder Contents
- Stability Value
- Durability of Aggregate
- Abrasion Resistance
- Centrifuge Kerosene Equivalent
- Asphalt and Concrete Coring

Technical Management

Mr. Riddell, Mr. Chang or their designated Engineer/Geologist will attend all construction meetings. He will provide guidance and recommendations to the field staff. The Engineering Technician/Special Inspector will implement all of the decisions made during the construction meetings. The field compaction procedures will be evaluated and recommendations made where appropriate. Guidance will be provided for the implementation of cost effective construction methods for achieving project milestones.

SOILS ENGINEERING, INC.
Consulting Geotechnical Engineers

2860 WALNUT AVE. · SIGNAL HILL, CALIF. 90755 · PHONE 562/426-7990 · FAX 562/426-1842

JANUARY 2009 FEE SCHEDULE

ENGINEERING AND TECHNICAL SERVICES

(Hourly Rates)

Principal Geotechnical Engineer/Geologist	$150.00	Pile Inspector (Drilled/Driven/Tieback)	$85.00
Project Engineer/ Geologist	$120.00	Registered Deputy Inspector	$85.00
Staff Engineer/Geologist	$100.00	Laboratory Technician	$60.00
Supervising Technician (Lab/Field)	$85.00	Technical Typist	$45.00
Field Technician	$65.00	Technical Illustrator	$60.00
Field Technician (Prevailing Wage)	$90.00	Field/Lab Assistant	$50.00
Field Support Services	$50.00	Expert Witness (Preparation & Court – 4 hr. min.)	$300.00
Office Services	$50.00		

LABORATORY TESTING AND CORING SERVICES

(Rate Per Test)

CLASSIFICATION AND INDEX TEST

Sand Equivalent (Cal 217 or ASTM D2419)	$60.00
Atterberg Limit (LL&PL per ASTM D4318-D84)	$125.00
Shrinkage Factors (ASTM D427)	$90.00
Sieve Analysis including Hydro (ASTM D422)	$130.00
Sieve Analysis – retained 200 mesh	$75.00
200 Wash	$40.00
Moisture Content (ASTM D2216)	$10.00
Moisture Content & Dry Density – Ring (D2937)	$15.00
Moisture Content Dry Density – Shelby Tube	$25.00
Specific Gravity - Soil	$100.00

STRENGTH TEST

Direct Shear UU (1 point)	$75.00
Direct Shear UU (3 points)	$150.00
Direct Shear CD (3 points)	$190.00
Unconfined Compression	$235.00
Residual Shear (3 Shear)	$200.00

SOIL CHEMISTRY

Sulfates	$60.00
Chlorides	$60.00
pH	$50.00
Resistivity	$80.00
Corrosivity Suite (So4, Cl, pH, Resistivity)	$225.00

DIAMOND CORING

2" to 6" Diameter	$50.00
8" to 9" Diameter	$65.00
Hourly Charge Portal-to-Portal/Standby Time	$125.00
Minimum Charge	$250.00
Compression Test 6"x12" Cylinders incl. Hold (ASTM C39) each	$20.00
Sample Pickup each (set of 4) (per hour rate)	$50.00
Compression Test, 2", 4" and 6" Cores (ASTM C42) each	$35.00
Mortar Compression	$20.00
Grout Compression	$30.00
Masonry Prisms	$100.00

COMPACTION & R-VALUE TEST

Max Density/Opt. Moisture ASTM D1557 (Method A and B)	$140.00
Max Density/Opt. Moisture ASTM D1557 (Method C)	$150.00
Max Density/Opt. Moisture California 216	$150.00
R-Value Natural Soil (Cal 301 or ASTM 2844)	$210.00
R-Value Cement or Lime treated Soil(Cal 301 or ASTM 2844)	$225.00
R-Value Aggregate Base (Cal 301 or ASTM 2844)	$250.00
CBR (ASTM D1883) - Soil	$270.00
CBR - Base	$360.00

CONSOLIDATION AND EXPANSION TEST

Consolidation ASTM D2435 (Method A)	$170.00
Consolidation ASTM D2435 (Method B)	$325.00
Time Rate per Load Increment	$35.00
Expansion Index (2.5" Diameter Specimen)	$85.00
Expansion Index (4.0" Diameter Specimen)	$100.00
Single Load Swell or Collapse Test	$100.00

ASPHALT CONCRETE TEST

Mix Design by Marshall or Stabilometer Method	By Quotation
Field Density for Compacted Mix (Cal 308)	By Quotation
Thickness of Compacted Mix	$25.00
Theoretical Max. Sp. Gravity & Density of Bituminous Mixtures (ASTM D 2071)	$110.00
Extraction of Bitumen Mat., % Oil in mix (ASTM D2172, Meth. A)	$130.00
Maximum Density Determination (Cal 304, 2 pt. Average)	$170.00
Stability Value (Cal 366)	$100.00
Extraction of Bitumen Material by Ignition Method	$170.00

AGGREGATE AND BASE COURSE TEST

Durability of Aggregate (Cal 229)	$200.00
Sieve Analysis, Fines Only (ASTM C136)	$75.00
Sieve Analysis, Fines and Coarse (ASTM C136) &/or (Cal 202)	$90.00
Cleanness Value CTM 227	$115.00
Sp. Gravity, Fine aggregate incl. % Absorption (ASTM C128)	$100.00
Sp. Gravity, Coarse Aggregate incl. % Absorption (ASTM C127)	$75.00
Abrasion Resistance-LA Rattler, 100-500 rev. (ASTM C131)	$120.00
Centrifuge Kerosene Equivalent (Cal 303)	$200.00

BASIS OF CHARGES

Regular Hours: Monday to Friday-7:00 AM to 4:00 PM
Overtime Hours: 1.5 times regular rate over 8 hours per day, night shifts and Saturdays. Double time regular rate on Sundays, Holidays and work days over 12 hours.
Minimum Charge: 2-hour minimum for show-up if not cancelled two (2) hours prior to arrival. 4-hour minimum if inspection is equal to or less than four (4) hours.
Mileage: Mileage shall be billed at $0.55 per mile from office to project site and back.

Charges for all field work will be computed on a portal-to-portal basis with a minimum of two (2) hour show-up.
Field work will be billed on a time and material basis unless quoted otherwise.

Laboratory test rates do not include sampling time or cost of equipment to secure the samples.

Outside equipment/services, if applicable, will be billed on the basis of our cost plus 15%.

Engineering reports (up to 5 copies) shall be billed on a time and material basis with a minimum charge of $350.00. Additional copies will be furnished at a cost of $0.50 per page, plus $5.00 for binding.

Fees charged are for professional and technical services and are due upon presentation. If not paid within thirty (30) days of invoice, they are considered past due and a finance charge of 1½% per month will be added to the unpaid balance (18% annual percentage rate).

Rates Valid Through December 31, 2009

GEO-ENVIRONMENTAL, INC.

March 11, 2009

Mr. Sammy Romo, P.E.
City of Culver City
Department of Public Works / Engineering
9770 Culver Boulevard
Culver City, CA 90232

Subject: **Letter of Interest to become a Vendor**
Culver City's On-Call Geotechnical Services List

Dear Mr. Romo:

Geo-Environmental, Inc. (GEI) would like to become a vendor for Culver City's On-Call Geotechnical Services List.

GEI is a State of California certified Small Business Enterprise (SBE), Metropolitan Water District of Southern California certified Small Business Enterprise (SBE), and Disadvantaged Business Enterprise (DBE) firm for the States of California and Nevada (certified by Caltrans and NDOT respectively). We specialize in geotechnical, geological, and seismic engineering, observation and material testing services. GEI's office and Caltrans certified soils laboratory are located in Irvine, California.

GEI's staff has completed numerous investigations and construction observation operations for various types of transportation and building construction projects including highways, streets, toll roads, shopping centers, parking lots, water lines, storm drains airports, bridges, and grade separations.

I am enclosing GEI's Statement of Qualifications (SOQ) for your review. Please feel free to contact any of the individuals from the reference list for their opinion regarding the quality of GEI's work. I look forward to hearing from you and providing our professional services to Culver City in the future.

Should you have any questions regarding our professional services, please do not hesitate to contact me at (949) 263-8334 extension 22 or email fsiddiqi@geo-environmental.com.

Sincerely,

Geo-Environmental, Inc.

Farhat H. Siddiqi, Ph.D., P.E.
Principal Engineer

Enclosure: *Statement of Qualifications (SOQ)*

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GEO-ENVIRONMENTAL, INC.

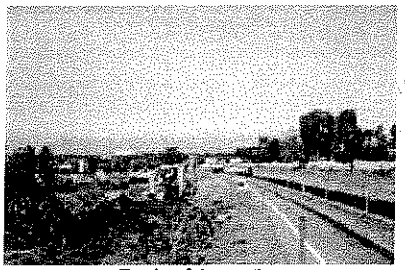
Caltrans Certified
DBE Firm

Statement of Qualifications

Geotechnical Engineering, Environmental Engineering, Construction Observation, Soils & Materials Testing

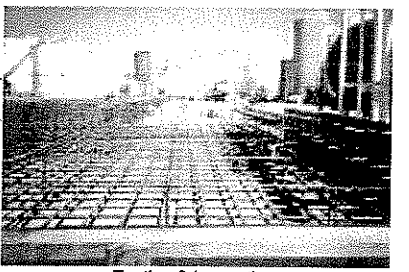
Caltrans Certified Laboratory & Technicians

SBE, DBE, SCOOP Certified Firm

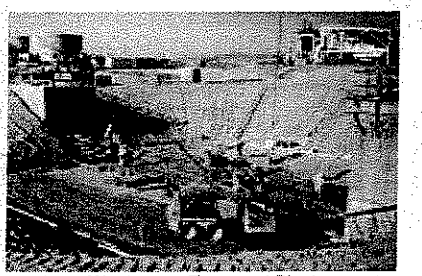


Testing & Inspection
Culver Drive Realignment and Widening Project
City of Irvine

Caltrans Certified Engineering Technicians



Testing & Inspection
Westway Corporation Terminal
Port of Los Angeles



Wastewater Treatment Plant
City of Corona

Caltrans Certified Soil Testing Laboratory

Groundwater Replenishment Systems
Unit III Pipeline
Orange County Water District

Expert Witness (Slope Stability Analysis)
Shorecliffs Golf Course
City of San Clemente

Earth & Rockfill Dam, Seismic Stability Evaluation
Thompson Creek Dam
County of Los Angeles, DPW

Quality Assurance Testing and Inspection
United Parcel Service (UPS) Facility
City of Mira Loma

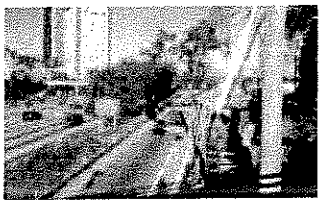
Geotechnical Engineering *Construction Observation*

Soils & Materials Testing ***Litigation / Claims*** ***Seismic Evaluation***

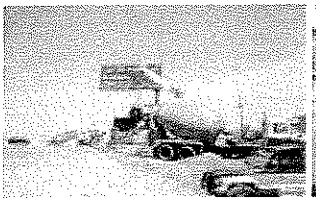
Soil Liquefaction Analyses *Environmental Evaluation*

2691 Richter Avenue, Suite 127, Irvine, CA 92606 ▪ (949) 263-8334 ▪ (949) 263-8338 fax
Email: geincorp@aol.com ▪ Website: www.geo-environmental.com

INTRODUCTION



Construction Supervision, Soils and Materials Testing
SR-134 Hollywood Way Ramps Improvements
City of Burbank



Construction Supervision, Soils and Materials Testing
91 Fwy/Main Street Interchange Improvements,
City of Corona

Construction Supervision, Soils and Materials Testing
Groundwater Replenishment System Unit III Pipeline
Orange County Water District

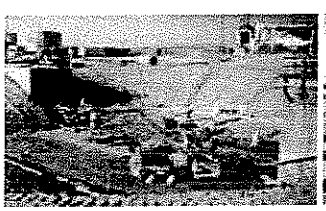
Construction Supervision, Soils and Materials Testing
Southern Radial Road and California Avenue Extension
University of California, Irvine

GEO-ENVIRONMENTAL, INC.
Caltrans Certified DBE Firm

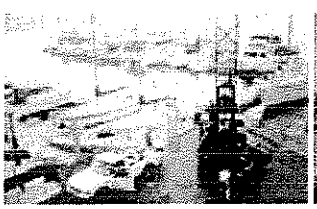
Geo-Environmental, Inc. (GEI) founded in 1993, is a ***State of California certified Small Business Enterprise (SBE), Metropolitan Water District of Southern California certified Small Business Enterprise (SBE)***, and ***Disadvantaged Business Enterprise (DBE)*** firm for the States of ***California and Nevada (certified by Caltrans and NDOT respectively)***. In San Diego, GEI is a SCOOP certified firm with the San Diego County Water Authority. We provide a broad spectrum of geotechnical, geological, litigation support, earthquake and environmental engineering consulting, including soils and materials testing services for civil engineering projects during the planning, design, construction and maintenance phases. The firm's civil and geotechnical engineers, geologists, and scientists are skilled in soil and rock mechanics, soil dynamics and soil-structure interaction, dam and reservoir design, soil liquefaction studies, foundation engineering, seismology, seismic risk evaluations, and geophysical surveys. GEI's headquarters office and Caltrans certified soils laboratory are located in Irvine, California.

Typical projects in which GEI's staff has extensive experience include:

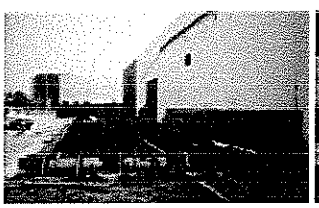
- *Freeway Interchange Projects,*
- *Rehabilitation and Reconstruction of City Streets and Highways,*
- *Parking Lots and Retaining Structures,*
- *Toll Roads,*
- *Bridges and Abutments,*
- *Slope Stability Analysis,*
- *Mitigation for Groundwater Seepage,*
- *Soils and Materials Testing,*
- *Grade Separations*
- *Sanitary Sewer Lines, Storm Drains and Pipelines,*
- *Pile Foundation, Design and Monitoring,*
- *Settlement Monitoring,*
- *Earth and Rockfill Embankments,*
- *Residential, Commercial Buildings including Shopping Centers, and*
- *Geotechnical Earthquake Engineering*



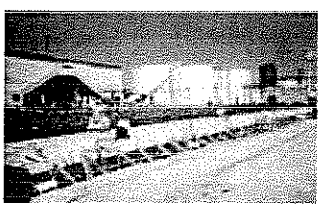
Field Compaction Operations
Wastewater Treatment Plant Expansion No. 1, City of Corona



Foundation Engineering
Basin C
Marina Del Ray Sea Wall



Inspection of Mat Foundation
McGaw Facility
Irvine, California



Geotechnical Observation & Soil Testing
Westway Corporation Terminal
Berths 70 & 71, Port of Los Angeles

➢ Familiarity with Government Agencies and Procedures

GEI has provided similar geotechnical engineering services on numerous municipal and public works projects for the Cities of Yorba Linda, Buena Park, Santa Ana, Irvine, Orange, Huntington Beach, Laguna Niguel, Mission Viejo, San Clemente, San Juan Capistrano, Newport Beach, Torrance, Cerritos, Monterey Park, Hermosa Beach, Redondo Beach, Ontario, Inglewood, El Monte, La Habra, La Palma, Los Angeles, Burbank, Fontana, Moreno Valley, Pomona, Corona, Riverside, Chino, Chino Hills, Lake Elsinore, Canyon Lake, Perris, Hemet, Thousand Oaks, Simi Valley, Santa Monica, Carlsbad, Oceanside, San Marcos and San Diego in the Counties of Orange, Los Angeles, Ventura, San Bernardino, Riverside and San Diego.

GEI has provided its services on geotechnical engineering projects for the County of Los Angeles, Metropolitan Water District of Southern California, County Sanitation Districts of Los Angeles County, Elsinore Valley Municipal Water District, Yorba Linda Water District, California State University at Northridge (CSUN), Orange County Sanitation District (OCSD), Orange County Water District (OCWD), University of California at Irvine (UCI) and others.

➢ Non-Discrimination Statement

It is the policy of Geo-Environmental, Inc. (GEI) to provide Equal Employment Opportunity for all employees and applicants for employment without regard to race, color, sex, national original, age, handicap, and veteran status. This policy extends, but is not limited to, the following: employment, upgrading, demotion, transfer, other working conditions, social and recreational programs. The firm encourages appointment to the work force, qualified and qualifiable, women and minority candidates.

The overall direction and administration of this policy is handled by Dr. Farhat H. Siddiqi, who is the Chief Executive Officer and Principal Engineer of the firm.

➢ CAPABILITIES

San Joaquin Hills Transportation Corridor
State Route 73

Bridge Foundation Design
Santa Clarita Bridge, County of Los Angeles, Department of Public Works

Expert Witness
Shorecliff Golf Course, San Clemente

➢ Engineering

GEI provides geotechnical and geological services for all phases of civil engineering projects including planning, design, construction and maintenance. Typical projects in which GEI staff have extensive experience include water and wastewater treatment facilities, dams and reservoirs, public buildings, schools, hospitals, primary and cogeneration power plants, transmission lines, landslide investigations, pipelines, dams and reservoirs, and roads and bridges.

GEI's staff of civil and geotechnical engineers specializes in soil mechanics, soil dynamics, earthquake engineering and foundation engineering. Our capabilities include exploration of surface and subsurface conditions through a variety of field techniques including geologic mapping, cone penetration testing (CPT), drilling with hollow-stem and bucket-auger rigs, Standard Penetration Testing (SPT), downhole logging, and seismic surveys. The firm's exploration techniques encompass conventional and state-of-the-art sampling methods as well as geophysical and seismological techniques. GEI's staff maintains its state-of-the-art expertise through research and active participation on local and national technical committees.

GEI's staff is also familiar with the variety of laboratory tests necessary to properly characterize both soils and pavement materials. GEI staff actively participates on national committees of the American Society of Civil Engineers (ASCE) and the American Society for Testing and Materials (ASTM). This participation includes review of new standards and publications, re-approval of existing standards, serving as an Associate Editor of the *Geotechnical Testing Journal,* and serving as chair of ASCE's Soil Properties Committee. This activity helps to maintain our state-of-the-art knowledge of geotechnical testing methods. GEI staff has developed methods of determining properties of soils containing particles too large to be tested with standard laboratory testing equipment, such as rock fill materials for earth dams.

Based on field and laboratory tests, GEI can perform static and dynamic analyses including allowable soil pressures, total and differential settlements, static and dynamic lateral earth pressures, pavement thickness, subsidence and fissure formation, soil collapse potential, uplift pressures, shoring design, slab support, pile capacity, soil liquefaction, seismic response spectra, slope stability, and slope deformation. We are familiar with both rigid and flexible pavement design and development of recommendations regarding site grading. We also provide construction observation and management services as well as design and install instrumentation for monitoring structural performance.

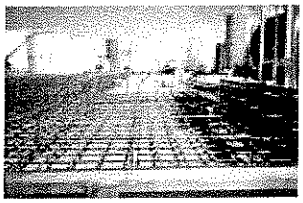
➢ Site Preparation

To characterize the properties of supporting soils, our engineers review and interpret the results of our field investigation and laboratory testing programs. GEI's staff provides recommendations for the site preparation and grading necessary for a proposed project. Site development techniques include conventional grading operations and in-situ improvement of existing soils. Conventional grading techniques include removal of unsuitable materials by excavation, selective grading, and import of suitable materials.

GEI's staff has experience with various treatments and modifications to the subgrade and base materials, including the use of additives such as cement, lime, or enzymes, the use of geotextiles, and the recycling and reuse of base materials.

GEI's staff is also familiar with in-situ soil improvement techniques including preloading, electro-osmosis, deep dynamic compaction, grouting, vibro replacement, vibro compaction, chemical stabilization, and lime treatment. Recommendations are made based on both cost and feasibility of construction to provide the client with several alternatives.

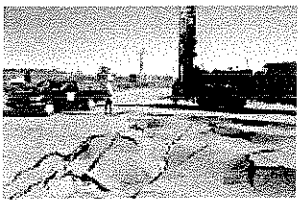
➢ Foundation Support



GEI's staff has provided geotechnical recommendations for numerous types of structural foundations. Each foundation recommendation is tailored to meet the specific needs of the particular location, subsurface conditions, adjacent constraints, and other governing project criteria.

GEI's staff is familiar with the design of both shallow and deep foundations to support various types of structures. Where practical, we recommend shallow foundations on natural soil, compacted fill, or rock as they are generally more economical than deep foundations. However, where shallow foundations cannot be used due to the presence of high groundwater or highly compressible soils, mat foundations or deep foundations are generally feasible alternative solutions. GEI's staff is familiar with various types of deep foundations generally utilized for building support including driven steel and concrete piles, cast-in-drilled hole (CIDH) concrete piles, and auger-cast concrete piles. These types of foundations are designed based on friction, end bearing, or a combination of both supporting mechanisms.

➢ Roadways and Parking Lots



GEI has worked on numerous projects involving street and road design. For roads, GEI provides recommendations related to subgrade preparation, pavement design, geotextile fabric, glass grid, overlay of conventional asphalt and rubber asphalt and full depth reclamation techniques. Deflection tests are performed if the clients so require. GEI works on these projects either directly for the Cities or as a subconsultant to civil engineering firms. GEI also provided services for road and parking lot design investigations for California State University at Northridge. *(GEI recently provided Geotechnical Observation and Soil Testing Services to the City of Corona for the 91 Fwy/Main Street Interchange Improvements, which is a Caltrans supervised project.)*

➢ Dams and Reservoirs

GEI's staff has extensive experience with dam and reservoir projects throughout the world and especially in southern California. GEI's capabilities include dam siting investigations, feasibility studies, geotechnical and geologic investigations, detailed embankment design, preparation of plans and specifications, and construction observation and testing. In addition, GEI's staff has performed static and seismic stability evaluation of existing embankment dams including the largest earth dams in the world, and provided recommendations for mitigative measures where deemed necessary.

GEI's staff has developed an excellent rapport with engineers and geologists at the California Department of Water Resources, Division of Safety of Dams (DSOD). GEI is very familiar with DSOD's requirements for embankment design, which generates fewer review comments, and prompt approval for construction from DSOD.

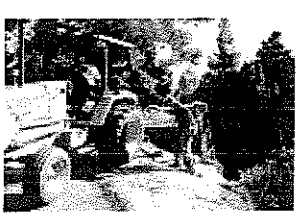
GEI's staff has the capabilities to perform both static and pseudostatic stability analyses of proposed and existing embankments. GEI's staff can also perform seepage, slope deformation, and liquefaction analyses for both proposed as well as existing earth and rockfill dams.

➢ Educational Facilities

GEI's staff has extensive experience in preparing geotechnical investigation reports for the construction of new school buildings as well as expansion of existing school buildings in southern California. GEI's geotechnical engineers and geologists are very familiar with California Education Code provisions. GEI's geologists and geotechnical engineers ensure that the seismic hazard evaluation for the school site is performed both in accordance with California Education Code provisions and Special Publication No. 117 entitled, " Seismic Hazards Mapping Act" published by the California Department of Conservation, Division of Mines and Geology in 1997.

GEI has performed geotechnical investigation for school sites in the Counties of San Bernardino, Orange, and Los Angeles. GEI's familiarity with the California Education Code Section 17212 requirements for school site selection and construction generates fewer review comments, and consequently results in prompt approval for design and construction from the concerned school districts.

➢ Geology

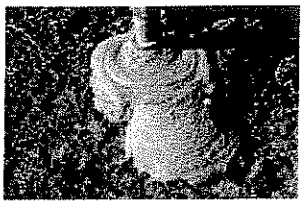


GEI's staff is experienced in the use of a variety of methods to evaluate geological conditions, including aerial photograph interpretation, remote sensing surveys, aerial reconnaissance, lineament and fault analyses, laboratory investigations, and geologic field mapping and reconnaissance. We use geologic mapping and hazard surveys to evaluate soil types and units, landslide potential, slope stability, erosion potential, ground rupture, and other subsidence effects. Boring and trench logs, as well as stereonet projections, are used to supplement the information developed by geologic mapping.

GEI's staff is experienced in evaluating seismic risks such as ground rupture, locating active faults and identifying evidence of earthquake shaking effects such as liquefaction, ground lurching, and landsliding.

GEI's staff is also experienced in performing landslide investigations and providing recommendations for stabilizing potentially unstable slopes.

➢ Geophysics

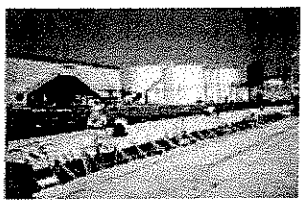


GEI is familiar with seismic, electrical, magnetic, and gravimetric surveys to evaluate the properties of subsurface strata. Survey techniques have been applied to:

- *Evaluate depth to bedrock,*
- *Detect buried cavities,*
- *Locate buried objects, such as underground utilities,*
- *Evaluate the depth and thickness of water-bearing layers,*
- *Detect geothermal zones, and*
- *Measure electrical potentials attributable to water seepage.*

Data from these surveys can be used in evaluating geological hazards, estimating earthquake risks, finding the depth to ground-water formations, and evaluating differences in compressional-and shear-wave velocities for dynamic analyses, subsurface layer identification, and rock rippability.

➢ Seismology And Earthquake Engineering



GEI's staff is experienced in performing seismic risk analyses, dynamic response analyses of earth structures, soil-structure interaction studies, and developing site response spectra. Some typical projects have included the following:

- *Studies of faults and related seismotectonics,*
- *Seismic risk analyses and development of earthquake ground motions for seismic design,*
- *Evaluation of seismic stability of slopes and embankments, and*
- *Evaluation of the potential for soil liquefaction or seismic settlement.*

Seismic risk analyses provide probability estimates of acceleration occurrence that could affect a site during the project life. Steps involved in seismic risk analyses include the following:

- *Review of published and unpublished data to establish the local and regional seismotectonic setting,*
- *Development of relationships between the frequency and magnitude of regional occurrences, and*
- *Review of regional geology to establish appropriate attenuation relationships among earthquake magnitude, distance from site to source, and geological conditions.*

Soil-structure interaction studies are performed to evaluate the dynamic response of structures to earthquake ground motions. These studies involve the following:

- *Development of design earthquake motions for the structure,*
- *Evaluation of the dynamic characteristics of the soils and structures,*
- *Dynamic response analyses of the soil-structure system using methods that account for two- or three-dimensional effects, the influence of nearby structures, and nonlinear material behavior, and*
- *Evaluation of dynamic soil behavior and determination of response spectra for structural design.*

The following is a sample representation of said projects:

PROJECT	OWNER & CONTACT	YEAR
Seismic Stability Evaluation of Thompson Creek Dam for County of Los Angeles	County of Los Angeles Department of Public Works Hydraulic Water Conservation Division Contact: Mr. Robert J. Kroll (626) 458-6110	1995
Seismic Stability Evaluation of Marina Del Rey Sea Wall	County of Los Angeles Department of Public Works 900 South Fremont Avenue Alhambra, CA 91802-1460 Contact: Khorin Salmassian (626) 458-7850	1996
Seismic Retrofit of the Yukon Reservoir	City of Torrance 3031 Torrance Boulevard Torrance, CA 90509 Contact: John Dettle (310) 618-2870	2001
Soil Liquefaction Analyses Wasserman Residence Sunset Beach, California	Kevin and Jackie Wasserman c/o Premier Business Management 15260 Ventura Boulevard, Suite 1700 Sherman Oaks, CA. 91403 (818) 933.2600	2005
Soil Liquefaction Analyses 24 Hour Fitness Sport Huntington Beach, California	The Muller Company through CNC Engineering 8 Corporate Park, Suite 100 Irvine, CA. 92606 (949) 863-0588	2007

- **Repairs of Damage From Earthquake**

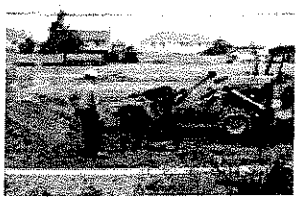
Following the Northridge Earthquake of January 17, 1994, GEI has been involved in the assessment of damage to residential and commercial buildings from the earthquake and the formulation of recommendations for foundation and structural modifications necessary to restore these structures to pre-quake conditions as well as, minimize potential damage from future earthquakes. GEI's scope of work typically involved documenting damage and conducting manometer surveys to evaluate whether the strong ground shaking caused by the earthquake induced large total and differential settlements. Evaluations were performed by GEI to determine whether the damage to the buildings was primarily soil related. Investigations were performed to evaluate the condition of foundation soils and to assess the potential for soil liquefaction, dynamic ground compaction and seismically induced settlements.

These investigations were typically performed for Insurance Companies including Allstate and Farmers Insurance Group, as well as for homeowners. GEI also performed a geotechnical investigation to assess damage caused by Northridge Earthquake to Jensen Filtration Plant located in Granada Hills and owned by the Metropolitan Water District of Southern California (MWD).

➢ Instrumentation

GEI's staff designs and installs instrumentation to monitor the performance of excavations and structures with respect to stress and strain conditions, temperature, stability, and vibrations. Partially or fully automated monitoring systems can be installed to record rock stresses and fluid pressures, deep underground changes or slope inclination, subsidence, changes in the temperature and pressure of supply and injection wells, supply-stream properties, and micro earthquakes. Instrumentation designed by GEI can be installed with recording devices and warning systems, as appropriate. GEI's personnel also collect, reduce, and analyze data from instrumentation systems.

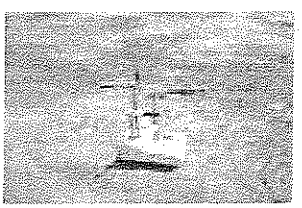
➢ Field Observation and Testing Services



GEI has extensive experience in providing geotechnical services during construction including inspection, field and laboratory testing of earthwork, base materials, and pavement; and consultation regarding geotechnical engineering issues that arise during construction. GEI provides field observation and testing to verify that site preparation, over-excavations and backfill placement and compaction conform to project plans and specifications. Our field staff is very familiar with the Caltrans specifications. GEI's services are typically provided during clearing and grubbing, rough grading, building pad certification, foundation excavation, utility trench backfill, backfill around structures and retaining walls, and preparation of subgrade and placement of aggregate base and asphalt concrete in paved areas.

GEI's technicians are very familiar with both large and small-scale earthwork operations and are proficient in the use of both sand cone and nuclear gauge testing equipment. Our technicians are also well versed with the types of sampling and testing required during earthwork projects, including Modified Proctor tests to determine the maximum dry density and optimum water content of fill material, sieve analysis of aggregates and drain rock, as well as the Atterberg Limits to determine compliance of fill material with project specifications. When required, GEI may establish field laboratories for site investigations or construction projects. These laboratories can be used to determine engineering properties onsite. The field laboratories can be equipped to perform tests to determine Atterberg limits, particle-size distribution, compaction, specific gravity, and shear strength.

➢ Sampling of Materials at Site or Source



GEI's personnel are familiar with the various requirements for sampling of aggregates and soils for use in each project. Typically, aggregates for use in concrete or asphalt concrete are sampled at the source or at the batch plant. In addition, it is often necessary to sample and test soils and base materials to determine if they comply with project specifications for use as import material and aggregate base.

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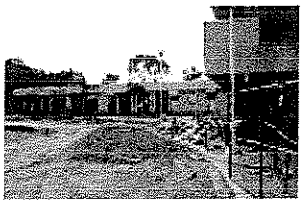
➢ Concrete/Asphalt Testing and Batch Plant Inspection



GEI has the experience to perform all testing related to the placement of concrete and asphalt. GEI is familiar with the procedures for sampling of aggregate and sand to verify the concrete mix design, casting and compression testing of concrete cylinders, performance of slump tests and forming and flexural testing of concrete beams. GEI is familiar with the procedures for sampling of aggregate both at the batch plant and during the placement of asphalt concrete in the field. GEI has also performed batch plant inspections for many paving projects. GEI routinely performs tests for gradation, extraction, content, and stability to verify compliance with project specifications.

➢ Field Investigation Techniques

GEI's staff is familiar with the use of various types of investigative tools to explore surface and subsurface conditions. Investigative tools frequently used for soil and rock include visual observation, borings, test pits and trenches, geophysical surveys, and cone penetration tests (CPTs). Exploration activities are performed under the general direction of GEI personnel and are logged and sampled by a GEI engineer or geologist. Our staff is familiar with all types of drilling and trenching equipment for excavations ranging from a few feet to several hundred feet deep. Drilling techniques include solid-flight auger, hollow-stem auger, bucket auger, air and mud rotary wash including reverse and dual-tube techniques, cable-tool, Becker and other percussion drilling equipment. Experience with trenching equipment includes pits and trenches up to several hundred feet long and up to 30 feet deep. We have good working relationships with subcontractors to provide both conventional equipment as well as four-wheel drive or all-terrain vehicles. Specialized equipment can also be customized for difficult or unique applications.

Tools which GEI employs for soil and rock sampling include split-barrel, standard penetration, Shelby Osterberg, Pitcher barrel, and diamond-coring equipment. When appropriate, exploration personnel are provided with field permeability testing equipment and density probes. Our surface geophysical techniques employed include seismic refraction, seismic reflection, ground-penetrating radar (GPR), magnetic, acoustal, electrical resistivity, and gravity surveys. Subsurface techniques include downhole and cross-hole seismic, self-potential, gamma-gamma, and neutron logging.

➢ Laboratory Testing

In addition to our own laboratory testing facilities, GEI has a working relationship with several laboratories equipped to perform tests to determine the physical characteristics of soil and rock. These laboratories can perform primary soil tests to determine particle-size distribution, Atterberg limits, moisture content/dry density, relative density, and compaction. The laboratories are also equipped to perform secondary tests, including direct shear, air and water permeability, consolidation, and triaxial shear. Triaxial tests with pore-pressure measurements can be performed on drained and undrained samples of saturated and consolidated soil. These laboratories are also equipped with large-scale cyclic testing apparatus to perform cyclic triaxial tests using both the conventional 2.8-inch diameter samples and 6-inch diameter specimens.

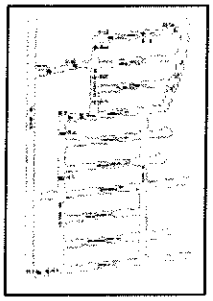
➢ Computer Services

GEI's technical services require the collection and interpretation of large amounts of data. The firm uses computers and technical information systems to validate and analyze these data and to prepare reports presenting findings and recommendations. GEI uses many technical computer programs for geotechnical engineering analyses such as settlement, slope stability, and vertical and lateral pile capacity.

GEI's computer capabilities include IBM-compatible personal computers, programmed to support a wide variety of data reduction and analytical functions. The computer system is networked to provide GEI personnel rapid access to information from various databases.

GEI has full computer capabilities for accounting, job database management, project management, and computer-aided drafting. In addition, GEI uses a database management program, gINT (Geotechnical INTegrator), to produce laboratory plots, boring logs, cross sections, fence diagrams, and tables based on data collected during field investigations and from laboratory testing. This program also has analytical, statistical, and plotting capabilities.

➢ Report Preparation



GEI routinely prepares geotechnical observation and testing reports that summarize the work performed on a particular project. The reports typically include a summary of earthwork performed and observations made by our engineer and technicians throughout the duration of the project. The reports also include the results of all field density tests, laboratory maximum density curves and all other laboratory tests performed. The reports provide a statement as to the conformance of the contractor's work to the project specifications. In addition, GEI typically includes color copies of photographs taken throughout the project as documentation of the project progress.

2009 FEE SCHEDULE

Engineering Services

Staff Engineer & Geologist	$85.00/hour
Project Engineer & Geologist	$105.00/hour
Associate Engineer & Geologist	$120.00/hour
Principal Engineer & Geologist	$155.00/hour

Field Personnel and Drilling/Coring Services

Engineering Technician	$55.00/hour	Prevailing Wage: $80.00/hour
Caltrans Certified Technician	$75.00/hour	Prevailing Wage: $100.00/hour
Senior Engineering Technician	$75.00/hour	Prevailing Wage: $100.00/hour
Registered Deputy Inspector	$90.00/hour	Prevailing Wage: $115.00/hour
Batch Plant Inspector	$95.00/hour	Prevailing Wage: $125.00/hour
Pile Inspector (Drilled/Driven/Tieback)	$100.00/hour	Prevailing Wage: $130.00/hour
Trenching Contractor (Backhoe)	$160.00/hour	Prevailing Wage: $205.00/hour
10-Inch Diameter Coring Contractor	$165.00/core	Prevailing Wage: $230.00/core
24-Inch Diameter Coring Contractor	$200.00/core	Prevailing Wage: $265.00/core
Hollow Stem Auger Drill Rig Contractor	$230.00/hour	Prevailing Wage: $295.00/hour
Bucket Auger Drill Rig Contractor	$240.00/hour	Prevailing Wage: $310.00/hour
Limited Access Hollow Stem Auger Drill Rig Contractor	$250.00/hour	Prevailing Wage: $340.00/hour
Limited Access 8-Inch Diameter Coring Contractor	$260.00/core	Prevailing Wage: $375.00/core
Mud Rotary Wash Drill Rig Contractor	$265.00/hour	Prevailing Wage: $380.00/hour
Limited Access Bucket Auger Drill Rig Contractor	$310.00/hour	Prevailing Wage: $390.00/hour
Direct Push Geoprobe 5410 Contractor	$315.00/hour	Prevailing Wage: $430.00/hour
Single Monitored Moving Lane Closure	$775.00/day	Prevailing Wage: $835.00/day
Double Monitored Moving Lane Closure	$1,220.00/day	Prevailing Wage: $1,495.00/day

Technical Services

Clerical	$40.00/hour
Technical Word Processor	$45.00/hour
Drafter/CAD Operator	$70.00/hour
Black and White Report Reproduction	$25.00/b&w copy
Color Report Reproduction	$50.00/color copy
Portable Document Format (PDF) Black and White Report Production	$50.00/b&w copy
Portable Document Format (PDF) Color Report Production	$100.00/color copy
Health-and-Safety Plan	$300.00/plan
Unsigned Traffic Control Plan	$500.00/plan
Traffic Control Plan Prepared/Stamped by Licensed Traffic Engineer	$3,000.00/plan

Litigation Support

Principal Engineer (Engineering Analysis, Preparation, etc.)	$250.00/hour
Principal Engineer (Depositions, Hearings, Arbitration, Trials, etc.)	$390.00/hour

Terms

Billings are payable upon presentation and are past due 30 days from invoice date. A finance charge of 1.5 percent per month, or the maximum allowed by law, will be charged on past due accounts. Geo-Environmental, Inc. makes no warranty, either expressed or implied, as to its findings, recommendations, specifications, or professional advice, except that they are prepared and issued in accordance with generally accepted professional practice in the county where the project is located.

Laboratory Testing Services

(Rate per Test)

Classification and Index Test

Sand Equivalent – CT217 or ASTM D2419	$ 65.00
Atterberg Limits (LL&PL) – ASTM D4318-D84 or CT204	90.00
Shrinkage Factors – ASTM D427	80.00
Grain Size Analysis including Hydrometer – ASTM D422 or CT203	110.00
Grain Size Analysis – ASTM D422	80.00
Percent Passing #200 Sieve – ASTM D1140	35.00
Moisture Content – ASTM D2216 or CT206	10.00
Moisture Content & Dry Density (Ring) – ASTM D2937	15.00
Moisture Content Dry Density (Shelby Tube)	25.00
Specific Gravity (Soil) – ASTM D854 or CT203	95.00

Compaction and R-Value Test

Max. Density/Opt. Moisture – ASTM D1557 (Methods A & B)	130.00
Max. Density/Opt. Moisture – ASTM D1557 (Method C)	145.00
Max. Density/Opt. Moisture – ASTM D698 (Methods A & B)	95.00
Max. Density/Opt. Moisture – ASTM D698 (Method C)	115.00
Max. Density/Opt. Moisture – CT 216	145.00
R-Value (Untreated Soil) – CT301 or ASTM D2844	270.00
R-Value (Cement or Lime Treated Soil) – CT301 or ASTM D2844	270.00
R-Value (Aggregate Base) – CT301 or ASTM D2844	250.00
California Bearing Ratio (CBR) on Soil – ASTM D1883	310.00
California Bearing Ratio (CBR) on Base Material	415.00

Consolidation and Expansion Test

Consolidation – ASTM D2435 (Method A)	160.00
Consolidation – ASTM D2435 (Method B)	325.00
Time Rate per Load Increment	35.00
Expansion Index – ASTM D-4829-08	90.00
Single Load Swell or Collapse Test	95.00

Strength Test

Unconfined Compression – ASTM D2166	85.00
Direct Shear, Unconsolidated-Undrained (UU) – per point	55.00
Direct Shear, Consolidated-Undrained (CU) – per point	70.00
Direct Shear, Consolidated-Drained (CD) – per point	85.00
Direct Shear, Residual – per point	70.00
Remolding/hand trimming specimens – per point	40.00

Concrete/Grout/Mortar Testing

Compression Test (6" x 12" incl. Hold) per Cylinder – ASTM C39	30.00
50-mm Cubes (CT 515, 551 & ASTM C109)	25.00
Compression Testing (2" Cubes) – ASTM C109	25.00
Mortar Cylinder Compression Test – ASTM C780	30.00
Grouted Masonry Prism Test (8" x 16" x 16") – ASTM E-447	245.00

Soil Chemistry

Sulfate Content – CT417	$ 60.00
Chloride Content – CT422	60.00
pH – CT643	40.00
Resistivity – CT643	80.00
Corrosion Package (So4, Cl, pH, Resistivity)	205.00

Environmental Testing

pH in Soil – EPA 9045	15.00
Volatile Organics Compounds – EPA 8260B	145.00
Total Petroleum Hydrocarbon (TPH) Carbon Chain – EPA 8015M	75.00
Semi-Volatile Organics Compounds – EPA 8270	200.00
Organochlorine Pesticides – EPA 8081	110.00
Polychlorinated biphenyls (PCBs) – EPA 8082	75.00
Title 22 Metals – EPA 6010	160.00
Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) – EPA 8021	50.00
Total Recoverable Petroleum Hydrocarbons – EPA 418.1	60.00
MiniRAE (photo ionization detector) (daily fee)	70.00
MultiRAE (four-gas monitor/photo ionization detector) (daily fee)	95.00

Aggregate and Base Course Test

Durability of Aggregate (CT229)	200.00
Sieve Analysis (Fines Only) – ASTM C136 or CT202	80.00
Sieve Analysis (Fines and Coarse) – ASTM C136 or CT202	95.00
Sp. Gravity (Fine Aggregate) incl. % Absorption – ASTM C126	95.00
Sp. Gravity (Coarse Aggregate) incl. % Absorption – ASTM C127	65.00
Abrasion Resistance (LA Rattler, 100-500 rev.) – ASTM C131	110.00
Centrifuge Kerosene Equivalent – CT303	200.00

Asphalt Concrete Test

Mix Design by Marshall or Stabilometer Method	by Quotation
Field Density for Compacted Mix (CT308)	by Quotation
Thickness of Compacted Mix	25.00
Theor. Max. Sp. Grav. & Dens. of Bit. Mixtures – ASTM D2071	125.00
Test Maximum Density – CT304 (Set of 5 Specimens)	425.00
Asphalt Hveem Maximum Density	290.00
Specific Gravity of Compacted Sample – ASTM D2726 or CT308	60.00
Specific Gravity of AC (Parallin Coated) – ASTM D1188	75.00
Extraction of Bitumen Mat., % Oil – ASTM D2172 (Method A)	150.00
Extraction of Bitumen Material by Ignition Method	195.00
Extraction with Sieve Analysis	515.00
Gradation of Extracted Sample – ASTM D5444 or CT202	115.00
Stabilometer Value of Premixed Sample – CT366	115.00
Hveem Stability	450.00

Basis of Charges

Regular Field Hours:	Monday to Friday – 7:00 am to 4:00 pm
Overtime Hours:	1.5 times regular hourly rates over 8 hours per day, night shifts, and Saturdays
	Double time regular rate on Sundays, holidays, workdays over 12 hours, and night shifts and Saturdays over 8 hours
Minimum Charge:	2-hour minimum for showing up to the field if not canceled 2 hours prior to arrival
	4-hour minimum if fieldwork is equal to or less than 4 hours
	Charges for all fieldwork will be computed on a portal-to-portal basis.
	Fieldwork will be billed on a time-and-material basis unless otherwise stated in a proposal.
	Laboratory testing rates do not include sampling time or cost of equipment to secure the samples.
Mileage:	Mileage shall be billed at $0.60 per mile, if applicable.
Vehicle Charge:	Travel time will be charged at regular hourly rate for actual time involved. Vehicles will be charged at $100.00 per day.
Equipment Charge:	Equipment used for inspections/field investigations will be charged at $40.00 per day. Drilling supplies will be charged at $100.00 per day.
	Cold asphalt or concrete patches will be charged at $15.00 per patch. Disposal of soil cuttings will be charged at $145.00 per drum.
Outside Costs:	Rented vehicles, rental of equipment not ordinarily furnished by Geo-Environmental, Inc., and all other costs such as special printing, photographic work, travel by common carrier, subsistence, subcontractors, etc., will be billed at actual cost plus 15% markup.

Geo-Environmental, Inc. reserves the right to revise its Schedule of Charges with changes in its practice

2691 Richter Avenue • Suite 127 • Irvine, California • 92606-5125 • Tel. (949) 263-8334 • Fax (949) 263-8338

March 9, 2009

Mr. Sammy Romo
City of Culver City
9770 Culver Boulevard
Culver City, California 90232

Subject: Statement of Qualifications to Provide Geotechnical, Materials Testing and Inspection, and Environmental Consulting Services

Dear Mr. Romo:

Please find the enclosed statement of qualifications for geotechnical, materials testing and inspection, and environmental consulting services. As your consultant, we will provide you with high quality, comprehensive services in an efficient manner. Additional advantages offered by Ninyo & Moore include the following:

- A proven track record in timely services for a large number of design and construction projects for various city and public works projects.
- A project team composed of highly experienced engineers, geologists, technicians and inspectors who have recent experience with similar projects.
- The resources of Ninyo & Moore, one of the largest geotechnical, materials testing, inspection and environmental consulting firms in southern California employing 400 professionals and possessing four fully-equipped, in-house testing laboratories, will be fully available to this project.

We appreciate the opportunity to submit our qualifications, and we look forward to working with the City of Culver City on future projects. If you have any questions regarding this submittal, please call me at (949) 753-7070.

Respectfully submitted,
NINYO & MOORE

Ruth A. Dolecki

Ruth A. Dolecki
Business Development Manager

/rad

475 Goddard, Suite 200 ▪ Irvine, California 92618 ▪ Phone (949) 753-7070 ▪ Fax (949) 753-7071

San Diego ▪ Irvine ▪ Rancho Cucamonga ▪ Los Angeles ▪ Oakland ▪ Las Vegas ▪ Phoenix ▪ Denver ▪ El Paso ▪ Tucson

Ninyo & Moore
SUMMARY OF QUALIFICATIONS

MISSION STATEMENT

Professionalism and quality are highly respected standards at Ninyo & Moore. The firm's primary goal is the complete and total satisfaction of its clients. Ninyo & Moore strives to continually improve the caliber, efficiency and cost effectiveness of our consulting services in order to meet or exceed each client's expectations.

INTRODUCTION

Ninyo & Moore Geotechnical and Environmental Sciences Consultants was established to provide geotechnical and environmental engineering, soil and materials testing, and inspection services to clients in the governmental (federal, state, and local), commercial, and private sectors. Ninyo & Moore has helped clients develop and implement innovative solutions to geotechnical and environmental challenges for 22 years. Services provided by Ninyo & Moore encompass all phases of a project, from the planning stage through design and construction. Areas of expertise include, but are not limited to, the following:

- engineering geology
- geotechnical engineering
- earthquake engineering
- geophysical surveys
- fault evaluations
- feasibility evaluations
- forensic studies
- construction observation and inspection
- soil and materials testing
- value engineering
- asbestos and lead-based paint surveys, abatement planning, and monitoring
- phase I environmental site assessments
- subsurface (phase II) soil and groundwater contaminant assessments
- underground storage tank services
- remediation, planning, and implementation
- risk assessments and feasibility studies
- brownfield redevelopment
- indoor air quality assessments
- mold and moisture evaluations

Ninyo & Moore pledges to complete every project assignment in a high-quality manner with special attention given to quality assurance, timeliness of delivery, and cost efficiency. Specific strengths of Ninyo & Moore, which we believe make us exceptionally qualified to undertake any project, include:

- ☑ Successful completion of a vast number of geotechnical, environmental, and soil and materials testing projects for a variety of public and private clients.
- ☑ Offices in San Diego, Irvine, Los Angeles, Oakland, San Francisco, Rancho Cucamonga, Phoenix, Tucson, Prescott Valley, Las Vegas, Denver, and El Paso.

- ☑ Diversity of staff, including geotechnical, environmental, materials, and civil engineers, engineering and environmental geologists, geophysicists, environmental scientists, field and laboratory technicians, and inspectors. Geotechnical expertise is brought to environmental remediation projects, and environmental awareness to design and construction projects.
- ☑ Geotechnical, environmental, and construction materials testing and inspection services are performed in strict compliance to the firm's rigorous Quality Control program, which goes beyond the expectations of the industry. Ninyo & Moore's quality control program ensures that the data is sufficient and of appropriate quality to fulfill project requirements.
- ☑ Six fully equipped in-house testing laboratories that offer full-service field and laboratory services for geotechnical, environmental, and soil and materials testing projects.

Ninyo & Moore Testing Facilities

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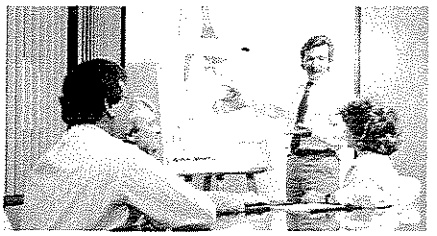
PROFESSIONAL QUALIFICATIONS



Ninyo & Moore's strengths lie in the quality, diversity, and technical experience of its key personnel and staff, and in the personal involvement of the principals. Ninyo & Moore maintains its exceptional reputation in the industry by providing high quality technical expertise while meeting difficult work schedules and budgetary goals. This is made possible through a methodical project management approach and the ability to effectively utilize senior personnel for project management guidance.

Ninyo & Moore selects well qualified project teams from a staff of 400 professionals, which includes geotechnical engineers, engineering geologists, environmental geologists, environmental engineers, geophysicists, hydrogeologists, field and laboratory technicians, and inspectors. Our personnel have successfully completed numerous as-needed and on-call contracts for government and private industry clients, and have earned a reputation for providing quality services while working within strict schedules and budgets. The firm's ability to successfully manage large, multidisciplinary contracts is demonstrated through work for the Department of Defense, U.S. EPA, California Department of Transportation, City of San Diego, Port of San Diego, Port of Long Beach, County of Los Angeles, Arizona Department of Transportation, City of Phoenix, City of Las Vegas, State of Nevada Public Works Board, Maricopa County, the Navajo Nation, Clark County, school districts, and many other private clients and governmental agencies. On these contracts, clients have commended Ninyo & Moore for its ability to perform cost effectively within tight schedules while maintaining technical integrity. Adherence to short time frames illustrates the firm's understanding and dedication to providing the needed services in an expedient manner.

Ninyo & Moore's personnel are licensed in their specific disciplines and are fully committed to providing the necessary resources for successful completion of projects. Ninyo & Moore's geotechnical and environmental project staff brings a wealth of experience and diversity to any project and includes Registered Engineers (PE, GE), Professional Geologists (PG, RG, CEG, CPG), Registered Geophysicists (RGP), Certified Hazardous Materials Managers (CHMM), Registered Environmental Assessors (REA), Certified Environmental Managers (EM), Certified Industrial Hygienists (CIH), and personnel with other applicable registrations, licenses, and certifications. Many of our professionals hold advanced degrees and are active in accrediting professional organizations.

Ninyo & Moore's field and laboratory staff are highly experienced and qualified to provide testing and inspection services for an extensive range of project requirements. Ninyo & Moore's soil technicians and inspectors are trained by geotechnical engineers under accreditation procedures approved by the American Association of State Highway Transportation Officials (AASHTO). Our technicians and inspectors are certified by ICC, AWS, ATI, ACI, NICET, and local government agencies and municipalities, and our laboratory and field personnel are certified and skilled at testing in accordance with a wide variety of standards and codes, including UBC, AASHTO, ADOT, CCRL, FAA, ASTM, State, and other applicable codes and guidelines. Table I presents Ninyo & Moore's key personnel along with their earned registrations and certifications.

STANDARD SERVICES

GEOTECHNICAL SERVICES

The following sections present an overview of the various geotechnical services provided by Ninyo & Moore.

Geotechnical Engineering Services

The discipline of geotechnical engineering has many applications. At Ninyo & Moore, geotechnical professionals:

- design foundations, drainage systems and pavement sections;
- evaluate geotechnical hazards;
- provide earthwork recommendations;
- evaluate soil parameters;
- assist in the development of project plans and specifications;
- evaluate seismic risks;
- design structural repairs;
- provide construction support;

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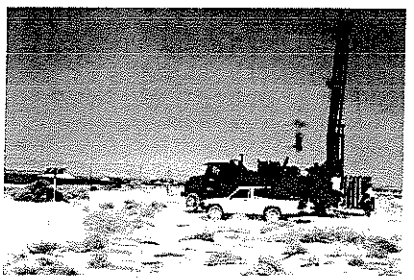
- participate in value engineering;
- provide expert testimony on forensic projects; and
- oversee laboratory testing.

Typical geotechnical engineering projects will involve:

- reviewing background information such as relevant geotechnical reports, project plans and specifications, and other pertinent data;
- conducting field studies in order to assess the nature of the on-site geotechnical conditions including the subsurface soil characteristics;
- laboratory testing to assess the nature and behavior of soils;
- performing engineering analyses to address slope stability, liquefaction, soil swell and settlement, site response, foundation design, pavement thickness, and percolation; and
- preparing project design and construction reports.



Field services for geotechnical projects might include:

- excavating test pits with backhoes, trackhoes, or by hand;
- drilling exploratory borings using air rotary, air track, mud rotary, hollow-stem auger, spin augers, or rock core;
- performing cone penetrometer tests (CPT);
- installing monitoring equipment such as settlement monuments, slope indicators, strain gauges, and groundwater monitoring or control devices;
- inspecting excavations, including footings, tunnels, and trenches; and
- collecting soil and rock samples for laboratory testing.

Typical laboratory soil tests that are performed for geotechnical studies include particle gradation, Atterberg limits, consolidation, direct shear, expansion index, abrasion, in-situ moisture content and dry density, maximum dry density and optimum moisture content, R-value, California Bearing Ratio (CBR), and corrosivity. Results of the geotechnical study are presented in project reports that usually provide geotechnical recommendations addressing foundation type and design, earthwork, seismicity, temporary and permanent excavations, trench backfill, lateral earth pressures, dewatering, corrosion and cement type, and pavement structural section. All Ninyo & Moore geotechnical projects are supervised by registered professional engineers.

Forensic Evaluations

Ninyo & Moore has performed numerous geotechnical studies on behalf of law firms, insurance companies and commercial and residential property owners. Typically, our services are retained to investigate earth movement and other geotechnical problems that may occur within a building or a building complex such as:

- cracked slabs/foundations
- soil settlement
- expansive soils
- retaining wall failure
- pipe corrosion/leakage
- concrete degradation
- mold and moisture infiltration
- landslides/slope movement
- pavement distress
- erosion
- sinkholes

Senior Ninyo & Moore personnel frequently provide litigation and expert witness services. Our experienced expert witnesses have worked with attorneys representing developers, contractors, homeowners' associations, and individual property owners, as well as with mediators providing third party consultant testimony. Qualifications of our experts include:

- Advanced degrees, certifications and registrations, many years of experience, and publications in their fields.
- Active in the day-to-day practice of their trade, not just in forensic studies and court testimony.
- Experience in providing services for both plaintiff and defense attorneys.
- Excellent courtroom and communication skills, and present a calm and positive demeanor.
- Access to state-of-art computer equipment along with trained graphic artists to present excellent graphics for courtroom presentations.

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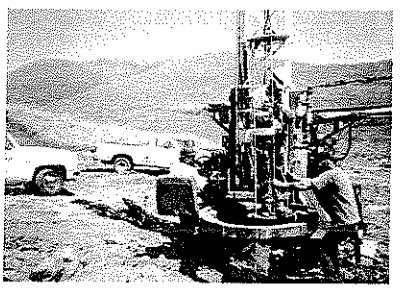
Construction defect evaluations typically involve a review of construction documents including soils reports, building and grading plans, published and unpublished geologic maps and reports, stereoscopic review of aerial photographs, exterior and interior documentation of distress, manometer (floor level) surveys of building slabs, subsurface exploration, laboratory testing, data analysis, formulation of repair recommendations, and report preparation. Coordinated unit-by-unit inspections of small to large building complexes and single-family homes are performed efficiently and without undue aggravation to homeowners.

Geologic Services

Geologic evaluations are used to characterize on-site geologic conditions and to assess the potential geologic impacts to planned or existing site improvements. Geologic evaluations may be performed as part of a geotechnical study or as a free-standing evaluation. Geologic studies generally include a review of published geologic documents, and collection of field observations to verify and augment data from published materials. Geologic evaluations may also include preparation of stratigraphic maps that show such features as bedding, foliation, fracturing, unit type, faults, fissures, landslides and slope failures, and sinkholes. Subsurface conditions are also evaluated through the excavation of exploratory borings and test pits. Large-diameter borings are often used to assess existing or potential landslides, and the condition of fill materials. In addition, fault trenches are used to assess location of faulting in areas where planned improvements encroach upon active/potentially active faults. All Ninyo & Moore geologic projects are supervised by registered professional geologists and/or certified engineering geologists.



Mineral resource assessments are also a focus area for Ninyo & Moore. Much of the western United States is managed by state and federal entities that act as stewards for public lands, and must evaluate the value and use of many resources on public lands, federal properties, and National Parks and Monuments. Mineral resources, forest resources, grasslands, water resources, and recreational resources are just a few of the elements of land use that these agencies must consider when performing land-use studies. Ninyo & Moore is well-versed in the needs of these agencies, and has performed many mineral resource assessments for either the agency itself or for a planning contractor hired by the agency. Our geologists review existing published information and provide field verification services, import existing databases into GIS, and summarize mineral resources for future use planning. We are proud to serve these entities as a trusted source of technical expertise for these critical studies.

Geophysical Services

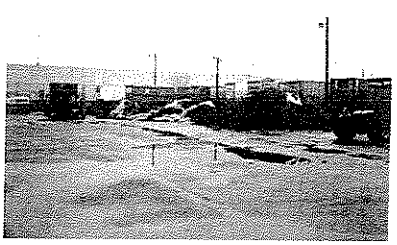
Ninyo & Moore's geophysical group is fully equipped and qualified to perform seismic refraction and reflection surveys, downhole and crosshole shear wave surveys, electrical resistivity profiles and soundings, electromagnetic (EM) studies, ground penetrating radar (GPR) profiling, magnetic surveys, and vibration monitoring. These geophysical methods are often useful in evaluating rock rippability and soil corrosivity, delineating the presence of buried underground structures such as underground storage tanks and piping, as well as utilities, characterizing site response, and locating faults.

ENVIRONMENTAL SERVICES

The following sections present an overview of the various environmental services provided by Ninyo & Moore.

Planning and Engineering Support Assessments

Ninyo & Moore is experienced in providing technical support to planning and engineering firms for land use, infrastructure, and linear assessment projects. These project types include Resource and Hazardous Materials Assessments for federal and state land management entities (U.S. Department of the Interior, Bureau of Land Management, Arizona State Lands, DOT's, etc.). These technical studies support the planning process for these agencies as they develop planning documents for management or divestiture of federal lands or state-managed property. Infrastructure projects commonly require environmental analysis (Phase I and Phase II) studies, which Ninyo & Moore is in the unique position of offering as a bundled service with geotechnical analysis. Linear projects such as highway corridors, pipelines, and fiber optic installations also require analysis for hazardous materials issues. Ninyo & Moore is well-versed in the NEPA process, and works with NEPA service firms to augment their capabilities in the hazardous materials and



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mineral resource analysis areas. Ninyo & Moore staff are highly experienced in the performance of corridor hazardous materials analysis in Arizona, California, Utah, and New Mexico.

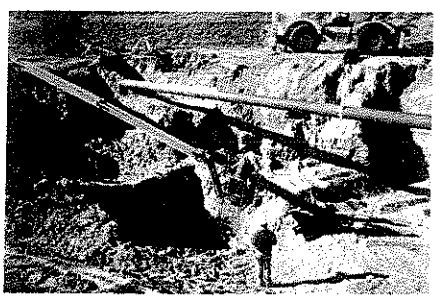
Phase I Environmental Site Assessments

Ninyo & Moore professionals have performed thousands of Phase I ESAs throughout the United States for major lenders, Real Estate Investment Trusts (REITs), corporate real estate departments, portfolio managers, public agencies (including the USEPA, redevelopment agencies, and general services departments), broker and attorney representatives, and numerous other private and commercial clients.

The scope of services for a Phase I Environmental Site Assessment (ESA) is consistent with the American Society for Testing and Materials (ASTM) No. E1527. Phase I ESAs are performed to evaluate the likelihood that past or current activities at a property may have resulted in a "recognized environmental concern," as defined by the ASTM. One of the most important elements of a Phase I ESA approach is the compilation of a complete historical record for a property. This historical research is important to establish, not only whether environmentally risky operations occurred on a property, but where these activities occurred so that an adequate inquiry can be made.

Phase II Environmental Site Assessments

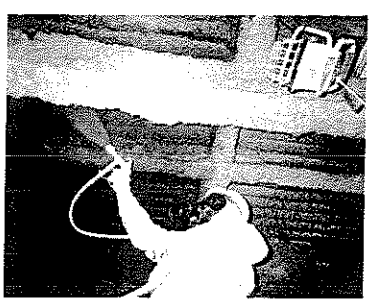
Depending on the results of the Phase I Environmental Site Assessment (ESA), Ninyo & Moore routinely performs Phase II ESA's to evaluate the possible presence, nature, and extent of suspected contaminants in soil and/or groundwater. Typically, the proposed scope of work is presented as a Work Plan that may require regulatory agency approval prior to implementation. Mobile analytical testing laboratories may be used in order to provide analytical data in the field, which allows us to more efficiently perform the field services and avoid excess sample collection. Information and field data collection may be accomplished by geophysical surveys, drilling, direct push, trenching, soil vapor surveys, and other techniques. Often the most efficient approach to the Phase II ESA is a phased approach that allows new information, generated during initial evaluations, to be incorporated into the project plan, while other issues that may be found to have no bearing on the project outcome can be eliminated from further consideration. Results are presented in a comprehensive report that also presents our findings, conclusions, and recommendations. Ninyo & Moore is experienced in performing environmental evaluations in Arizona, Nevada, California, Utah and New Mexico in accordance with applicable federal, state and/or local requirements.



Hazardous Building Materials Services

Hazardous Building Materials generally include asbestos, lead-based paint, and PCB and mercury-containing surface compounds and devices. Ninyo & Moore has performed numerous asbestos and hazardous building material surveys, monitoring, and abatement management for a variety of clients. We are experienced in working within the framework of the Occupational Safety and Health Administration (OSHA), and the U.S. EPA, as well as HUD guidelines. Services typically performed by Ninyo & Moore include:

- consultation with regard to applicable laws and regulations;
- review of available plans or specifications for building materials present in the structures;
- structural walk-through surveys, sampling or testing, as appropriate, to identify the location, type, extent, and condition of any hazardous building materials;
- identification and evaluation of the potential for release and exposure to employees or workers from any hazardous building materials identified;
- preparation of reports and drawings identifying the location, type, extent, and condition of the materials;
- preparation of abatement specifications and assistance with contractor selection; and
- performance of abatement monitoring and closure documentation.



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Underground Storage Tank Services

Ninyo & Moore's underground storage tank (UST) services include tank removal, site characterization, remediation, and site closure. UST removal services typically include obtaining local permits; local agency notification; tank excavation, triple rinsing, degassing, and certification; and removal, manifesting, and disposal of tank and tank rinsate. Soil samples are collected from the former UST excavation and along the former product piping. The excavation is backfilled, compacted, and repaved, as appropriate, often utilizing the expertise of our certified field technicians. Removal activities are summarized in a tank removal report for submission to local agencies. If necessary, UST site characterization includes the preparation and implementation of a workplan, performance of Phase II-type contamination assessment (see above), and preparation of a site assessment report. Results are summarized in a report that provides conclusions and recommendations for site closure or site remediation depending on regulatory guidelines and risk to sensitive environmental receptors. Remedial action recommendations may include natural attenuation monitoring, soil excavation, soil and/or free product vapor extraction, enhanced in-situ bio remediation (bioventing), oxygen release compound addition, and groundwater pump and treat. Depending on the prescribed remedial action, a pilot test is typically conducted to determine full-scale design parameters. Systems are designed, installed, operated, and maintained by Ninyo & Moore staff. Site closure samples are collected when system monitoring indicates site cleanup levels have been reached.

Pollution Prevention, Waste Management and Remediation Services

For successful environmental management, clients have engaged Ninyo & Moore to consider ways to reduce or eliminate toxic and solid waste generation and emissions within the framework of the enterprise. Effects on profitability, increasing civil and criminal liability, and greater public disclosure underscore the need for dedicated environmental management and more progressive approaches to managing waste and emissions. The passage of the Resource Conservation and Recovery Act (RCRA), the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), and the multitude of subsequent amendments and regulations at both federal and state levels, has caused industries to completely re-evaluate their waste management practices, as well as respond to the consequences of past activities. This applies not only to solid and hazardous waste, but to all plant emissions. Ninyo & Moore can assist companies with the following services:

- waste management planning and waste minimization that address the operating, environmental, economic, and regulatory issues related to the management and ultimate disposal of materials;
- evaluation of current environmental compliance status and development of required document compliance assessments/regulatory documentation;
- preparation and implementation of multi-media site investigations of soil, surface water, groundwater, and air; and
- process design, engineering design, and construction management services to implement environmental remediation.

Regulatory Compliance Audits

Ninyo & Moore performs multi-media compliance audits for municipal and industrial facilities often on a routine/regular basis for high-risk tenants or multi-facility commercial operations. The scope of services typically includes the identification of applicable federal, state, and local environmental regulatory requirements; performance of on-site audit; and reporting our findings and recommendations for corrective measures, as appropriate, in the areas of air quality, wastewater, stormwater, emergency planning and community right-to-know, solid waste, hazardous materials management, hazardous waste, and storage tanks.

Indoor Air Quality and Microbial Assessments

Ninyo & Moore can provide professional services in the ever-growing and sometimes controversial field of Indoor Air Quality (IAQ). Ninyo & Moore is staffed with Industrial Hygienist's that have a combined total of over 20 years of experience specializing in the indoor air quality field.

Indoor air quality is a dynamic field that may or may not depend on the current status of building infrastructure systems or from other potential interior sources resulting from occupant/employee use and/or exposure. Establishing a concise "cause and effect" relationship involving potential sources and adverse health affects among building occupants is sometimes difficult to do and, in some cases, impossible (i.e., Sick Building Syndrome). However, health and safety professionals worldwide recognize that there are several risk factor components associated with poor indoor air quality. These include heating, ventilation, and air-conditioning (HVAC) systems, carbon dioxide concentrations, temperature, relative humidity, volatile organic compounds (VOCs), aerosols of biological origin (fungi, bacteria), noise, light levels, radon, asbestos, pesticides, and common allergens (e.g., dust mites, insect fragments, dander, dust).

Molds are fungi that grow on, and sometimes within, objects. Mold can cause discoloration and odor problems, deteriorate building materials, and lead to health problems such as asthma and allergic reactions in susceptible individuals. Some reactions can be serious, even fatal. Mold spores are almost always present in outdoor and indoor air. The seeds, or reproductive particles, of fungi are called spores. They differ in size, shape, and color among species. Each spore that germinates can give rise to new mold growth, which in turn can produce millions of spores. Fungi need a source of moisture and nutrients (carbon), and proper temperature to grow. It is virtually impossible to eliminate all nutrients as almost all building surfaces can support growth. Raising or lowering temperature to control mold growth results in indoor environments unsuitable for human occupation. Moisture source identification and control, whether from plumbing leaks, poor drainage around or under buildings, groundwater and seepage, is thus the most important strategy for reducing mold growth.

Indoor air quality investigations are typically performed in two phases. Phase I generally consists of a visual assessment of the facility/residence to identify common indicators of poor indoor air quality, moisture intrusion, HVAC systems, work practices, and manufacturing operations, if applicable. Additional information is collected by conducting interviews with employees and reviewing pertinent facility records. Some direct reading instruments are used to evaluate possible contaminants such as formaldehyde and carbon monoxide or evaluating ventilation efficiencies using carbon dioxide measurements.

Phase II surveys are conducted in segments based on the findings of the Phase I survey with preparation, many Phase II tasks can be conducted the same day as the Phase I survey. Phase II is initiated only if sampling is required. If, at any point during a Phase II survey, a source for the indoor air quality concern is identified, the survey can be completed resulting in cost savings to the client.

Many Americans spend up to 90 percent of their time indoors. Therefore, breathing clean indoor air can have an important impact on health.

Geophysical Services

In addition to those services described under "Geotechnical Services," our geophysical group is often called upon on complex and challenging environmental projects. Ninyo & Moore's geophysicists have performed Unexploded Ordnance (UXO) clearance services, evaluated sites for underground storage tanks and other subsurface structures, and provided pre-excavation and soil boring clearance surveys.

SOILS AND MATERIALS TESTING AND SPECIAL INSPECTION SERVICES

The following sections present an overview of the soils and materials testing, and inspection services provided by Ninyo & Moore.

Coordination and Quality Control

Ninyo & Moore's coordination and quality control services may include:

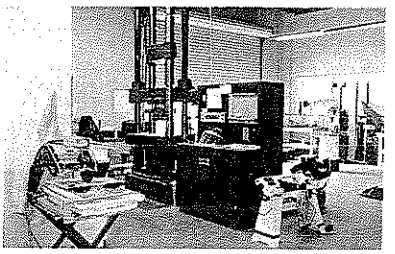
- project coordination, technical support and management, including review of the project geotechnical reports, plans and specifications, work scheduling, and submittal of applicable forms for each specialty inspector;
- regular distribution of test and inspection reports to the Project Inspector, client Field Representative, Construction Manager, and Structural Engineer/Architect; and
- attendance at project meetings.

Materials Testing and Field Inspection

Ninyo & Moore's materials testing and field inspection services may include:

San Diego (858) 576-1000 | Irvine (949) 753-7070 | Los Angeles (213) 488-5111 | Inland Empire (909) 758-5960 | Oakland (510) 633-5640 | San Francisco (415) 616-0378 | Las Vegas (702) 433-0330 | Phoenix (602) 243-1600 | Tucson (520) 577-7600 | Prescott (928) 759-8150
Denver (303) 629-6000 | El Paso (915) 532-0650

- field technician services for sampling and testing fresh structural concrete, including measuring the slump, temperature, air-content and unit weight, and casting cylinders for compressive strength testing;
- field technician services for core sampling of concrete masonry unit walls including cutting core, labeling, documentation and transporting samples to our laboratory;
- field technician services for batch plant inspection during production of structural concrete and grout including checking mix design, monitoring batch weights, sampling aggregates and preparing batch plant inspection records;
- field technician services for sampling, and labeling of construction materials such as reinforcing steel, concrete masonry units, high strength bolts, nuts, and washers, and cement;
- preparation of daily field reports and test data sheets;
- laboratory testing including structural and reinforcing steel conformance testing, and compressive strength testing of concrete, mortar, concrete masonry units, masonry prisms, cores and grout specimens, as well as shear testing of masonry wall cores; and
- preparation and submittal of the Final Laboratory Report.

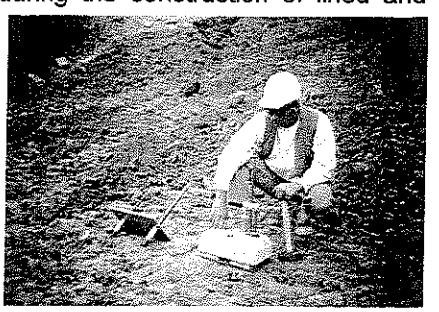


Specialty Inspection Services

Ninyo & Moore's specialty inspection services may include:

- full-time continuous inspection during field and fabrication shop structural steel welding and as-needed Non-Destructive Testing of full penetration welds;
- continuous inspection during fabrication of glu-lam beams including checking and documenting resin type and lot number, temperatures, additives, and sealing procedures;
- load and torque testing of the expansion bolts and epoxy anchors;
- preparation of progress daily inspection reports to document the items inspected;
- full-time continuous inspection of masonry construction including preparation of masonry prisms, grout and mortar samples; and
- issuance of final inspection reports.

Quality Control/Construction Quality Assurance (QC/CQA) services during the construction of lined and unlined impoundments, which include the initial grading operations all the way through to the inspection of the liner during placement and then preparation of project closeout documents needed in order to put the impoundments into service. The purpose of our field testing and inspection services is to ensure compliance with project plans and specifications, and governing agencies, as well as general industry standards.



Laboratory Testing Services

Ninyo & Moore's in-house soil and materials testing laboratories are extensively equipped and staffed with trained, qualified personnel. All laboratory testing is overseen by registered engineers. Ninyo & Moore utilizes reliable, state-of-the-art, testing equipment and technology to perform our laboratory services in-house. Types of laboratory soil testing performed by Ninyo & Moore include:

- Atterberg limits,
- R-value,
- California Bearing Ratio (CBR),
- consolidation,
- direct shear,
- expansion index,
- Los Angeles rattler,
- moisture and density,
- corrosivity,
- permeability,
- sand equivalent,
- sieve analysis,
- standard and modified proctors, and
- triaxial shear.

In addition, our laboratories can conduct various concrete, asphalt, masonry, and steel tests. Ninyo & Moore laboratories meet the requirements of ASTM E329, ASTM C1077, ASTM D3740, and ASTM D3666. Ninyo & Moore's testing equipment is calibrated annually by representatives utilizing equipment traceable to the National Institute of Standards and Technology, and is regularly inspected by the Cement and Concrete Reference Laboratory (CCRL). Ninyo & Moore's testing laboratories have been inspected and/or accredited by AASHTO, Arizona Department of Transportation, Caltrans, California Division of the State Architect, City of Los Angeles, City of San Diego, State of Nevada Department of Transportation, Clark County, City of Las Vegas, and U.S. Army Corps of Engineers.

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SCHEDULE OF FEES

HOURLY CHARGES FOR PERSONNEL

Principal Engineer/Geologist/Environmental Scientist	$ 139
Senior Engineer/Geologist/Environmental Scientist	$ 133
Senior Project Engineer/Geologist/Environmental Scientist	$ 127
Project Engineer/Geologist/Environmental Scientist	$ 123
Senior Staff Engineer/Geologist/Environmental Scientist	$ 109
Staff Engineer/Geologist/Environmental Scientist	$ 96
GIS Analyst	$ 96
Field Operations Manager	$ 87
Supervisory Technician*	$ 87
Nondestructive Examination Technician, UT, MT, LP*	$ 87
Pull Test Technician and Equipment*	$ 87
Senior Field/Laboratory Technician*	$ 73
Field/Laboratory Technician*	$ 73
ACI Concrete Technician*	$ 73
Concrete/Asphalt Batch Plant Inspector	$ 73
Special Inspector, Reinforced Concrete*	$ 73
Special Inspector, Pre-stressed Concrete*	$ 73
Special Inspector, Reinforced Masonry*	$ 73
Special Inspector, Structural Steel*	$ 73
Special Inspector, Welding, AWS*	$ 73
Special Inspector, Fireproofing*	$ 73
Technical Illustrator/CAD Operator	$ 69
Geotechnical/Environmental/Laboratory Assistant	$ 53
Information Specialist	$ 52
Data Processing, Technical Editing, or Reproduction	$ 44

OTHER CHARGES

Expert Witness Testimony	$ 400 /hr
Concrete Coring Equipment (includes one technician)	$ 160 /hr
Special Preparation of Standard Test Specimens	$ 64 /hr
Inclinometer Usage	$ 32 /hr
Vapor Emission Kits	$ 30 /kit
Rebar Locator (Pachometer)	$ 10 /hr
Nuclear Density Gauge Usage	$ 9 /hr
Field Vehicle Usage	$ 8 /hr
Direct Project Expenses	Cost plus 15 %
Laboratory testing, geophysical equipment, and other special equipment provided upon request.	

NOTES (Field Services)

For field and laboratory technicians and special inspectors, regular hourly rates are charged during normal weekday construction hours. Overtime rates at 1.5 times the regular rates will be charged for work performed outside normal construction hours and all day on Saturdays. Rates at twice the regular rates will be charged for all work in excess of 12 hours in one day or on Sundays and holidays. Lead time for any requested service is 24 hours. Field Technician rates are based on a 2-hour minimum. Special inspection rates are based on a 4-hour minimum for the first 4 hours and an 8-hour minimum for hours exceeding 4 hours. Field personnel are charged portal to portal.

*Indicates rates that are based on Prevailing Wage Determination made by the State of California, Director of Industrial Relations on a semiannual basis. Our rates will be adjusted in conjunction with the increase in the Prevailing Wage Determination during the life of the project.

INVOICES

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

TERMS AND CONDITIONS

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

SCHEDULE OF FEES FOR LABORATORY TESTING
Laboratory Test, Test Designation, and Price Per Test

Soils

Atterberg Limits, D 4318, CT 204	$ 145
California Bearing Ratio (CBR), D 1883	$ 440
Chloride and Sulfate Content, CT 417 & CT 422	$ 135
Consolidation, D 2435, CT 219	$ 275
Consolidation – Time Rate, D 2435, CT 219	$ 70
Direct Shear – Remolded, D 3080	$ 290
Direct Shear – Undisturbed, D 3080	$ 250
Durability Index, CT 229	$ 150
Expansion Index, D 4829, UBC 18-2	$ 165
Expansion Potential (Method A), D 4546	$ 145
Expansive Pressure (Method C), D 4546	$ 145
Geofabric Tensile and Elongation Test, D 4632	$ 165
Hydraulic Conductivity, D 5084	$ 300
Hydrometer Analysis, D 422, CT 203	$ 190
Moisture, Ash, & Organic Matter of Peat/Organic Soils	$ 110
Moisture Only, D 2216, CT 226	$ 30
Moisture and Density, D 2937	$ 39
Permeability, CH, D 2434, CT 220	$ 230
pH and Resistivity, CT 643	$ 140
Proctor Density D 1557, D 698, CT 216, & AASHTO T-180 (Rock corrections add $80)	$ 180
R-value, D 2844, CT 301	$ 250
Sand Equivalent, D 2419, CT 217	$ 90
Sieve Analysis, D 422, CT 202	$ 110
Sieve Analysis, 200 Wash, D 1140, CT 202	$ 90
Specific Gravity, D 854	$ 90
Triaxial Shear, C.D, D 4767, T 297	$ 390
Triaxial Shear, C.U., w/pore pressure, D 4767, T 2297 per pt.	$ 330
Triaxial Shear, C.U., w/o pore pressure, D 4767, T 2297 per pt.	$ 190
Triaxial Shear, U.U., D 2850	$ 140
Unconfined Compression, D 2166, T 208	$ 100
Wax Density, D 1188	$ 90

Roofing

Built-up Roofing, cut-out samples, D 2829	$ 165
Roofing Materials Analysis, D 2829	$ 500
Roofing Tile Absorption, (set of 5), UBC 15-5	$ 190
Roofing Tile Strength Test, (set of 5), UBC 15-5	$ 190

Masonry

Brick Absorption, 24-hour submersion, C 67	$ 45
Brick Absorption, 5-hour boiling, C 67	$ 55
Brick Absorption, 7-day, C 67	$ 60
Brick Compression Test, C 67	$ 45
Brick Efflorescence, C 67	$ 45
Brick Modulus of Rupture, C 67	$ 40
Brick Moisture as received, C 67	$ 35
Brick Saturation Coefficient, C 67	$ 50
Concrete Block Compression Test, 8x8x16, C 140	$ 60
Concrete Block Conformance Package, C 90	$ 440
Concrete Block Linear Shrinkage, C 426	$ 120
Concrete Block Unit Weight and Absorption, C 140	$ 55
Cores, Compression or Shear Bond, CA Code	$ 55
Masonry Grout, 3x3x6 prism compression, UBC 21-18	$ 30
Masonry Mortar, 2x4 cylinder compression, UBC 21-16	$ 30
Masonry Prism, half size, compression, UBC 21-17	$ 110

Concrete

Cement Analysis Chemical and Physical, C 109	$ 1,650
Compression Tests, 6x12 Cylinder, C 39	$ 22
Concrete Mix Design Review, Job Spec	$ 140
Concrete Mix Design, per Trial Batch, 6 cylinder, ACI	$ 750
Concrete Cores, Compression (excludes sampling), C 42	$ 55
Drying Shrinkage, C 157	$ 250
Flexural Test, C 78	$ 50
Flexural Test, C 293	$ 55
Flexural Test, CT 523	$ 60
Gunite/Shotcrete, Panels, 3 cut cores per panel and test, ACI	$ 250
Jobsite Testing Laboratory	Quote
Lightweight Concrete Fill, Compression, C 495	$ 40
Petrographic Analysis, C 856	$ 1,100
Splitting Tensile Strength, C 496	$ 80

Reinforcing and Structural Steel

Fireproofing Density Test, UBC 7-6	$ 55
Hardness Test, Rockwell, A-370	$ 50
High Strength Bolt, Nut & Washer Conformance, set, A-32	$ 120
Mechanically Spliced Reinforcing Tensile Test, ACI	$ 95
Pre-Stress Strand (7 wire), A 416	$ 140
Chemical Analysis, A-36, A-615	$ 120
Reinforcing Tensile or Bend up to No. 11, A 615 & A 706	$ 50
Structural Steel Tensile Test: Up to 200,000 lbs. (machining extra), A 370	$ 70
Welded Reinforcing Tensile Test: Up to No. 11 bars, ACI	$ 55

Asphalt Concrete

Asphalt Mix Design, Caltrans	$ 2,200
Asphalt Mix Design Review, Job Spec	$ 150
Extraction, % Asphalt, including Gradation, D 2172, CT 310	$ 215
Film Stripping, CT 302	$ 100
Hveem Stability and Unit Weight CTM or ASTM, CT 366	$ 195
Marshall Stability, Flow and Unit Weight, T-245	$ 215
Maximum Theoretical Unit Weight, D 2041	$ 120
Swell, CT 305	$ 165
Unit Weight sample or core, D 2726, CT 308	$ 90

Aggregates

Absorption, Coarse, C 127	$ 35
Absorption, Fine, C 128	$ 35
Clay Lumps and Friable Particles, C 142	$ 100
Cleanness Value, CT 227	$ 120
Crushed Particles, CT 205	$ 140
Durability, Coarse, CT 229	$ 130
Durability, Fine, CT 229	$ 130
Los Angeles Abrasion, C 131 or C 535	$ 180
Mortar making properties of fine aggregate, C 87	$ 275
Organic Impurities, C 40	$ 55
Potential Reactivity of Aggregate (Chemical Method), C 289	$ 390
Sand Equivalent, CT 217	$ 90
Sieve Analysis, Coarse Aggregate, C 136	$ 105
Sieve Analysis, Fine Aggregate (including wash), C 136	$ 105
Sodium Sulfate Soundness (per size fraction), C 88	$ 160
Specific Gravity, Coarse, C 127	$ 75
Specific Gravity, Fine, C 128	$ 85

Special preparation of standard test specimens will be charged at the technician's hourly rate.

Ninyo & Moore is accredited to perform the AASHTO equivalent of many ASTM test procedures.

Introduction

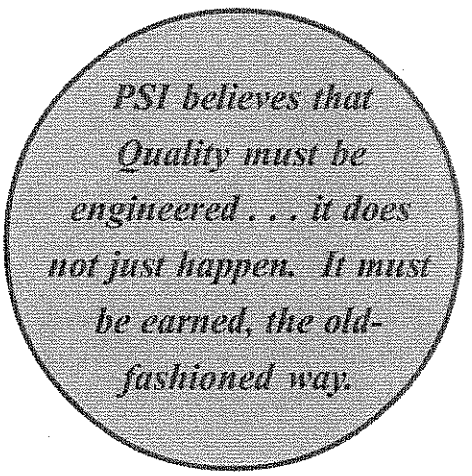
PSI understands the issues associated with projects for nationwide clients, especially the concerns of prime consultants on projects that are fast-tracked and of large scale and complexity. The components of a successful contract include utilizing personnel who are qualified/certified, cross-trained and experienced in the required tasks, providing a quality service and providing these services in a timely fashion as dictated by our client. All of these components must work in harmony for any project to be successfully completed.

The following pages highlight some of the features PSI brings to our clients and contracts.

Quality Control

At PSI, we believe quality is a process, not a destination, and we work to learn from our mistakes and imitate our successes. Our goal for quality performance is to provide professional services of such quality that our clients receive superior value and our employees grow and share in our firm's success. The quality of work we perform is reflected in the large number of *repeat clients* whose confidence we appreciate.

All work performed by our team will be controlled by a comprehensive internal Quality Assurance/Quality Control Manual and in compliance with project plans and specifications and jurisdictional requirements.



A significant aspect of the PSI internal quality control program is the Principal Consultant System. Throughout our organization, senior technical staff members with recognized experience, technical expertise and competence are designated as Principal Consultants. These personnel are assigned to review all recommendations, reports and documents prior to submittal. Our Principal Consultants are always on call as in-house consultants to deal with unusual technical challenges. Our firm maintains the policy of using professional staff experience while developing new personnel.

As part of our Quality Assurance Program, inspection of our laboratory is regularly performed to recalibrate equipment and detect any deficiencies. Our equipment, tests, and procedures are monitored to assure the most accurate and consistent results possible. An in-house program of quality assurance is also implemented.

As an extension of your staff, we are able to anticipate and cater to your specific needs without being prompted. We will provide:

- *Timely Service.* We will submit our work product on or ahead of schedule.

- *Quality.* The quality of our service will meet or exceed your expectations for the project.

Quality Control

continued

- *Communication.* We will maintain a high level of communication so that all parties are always well-informed about project status.

- *Practical Solutions.* We will provide practical, cost-effective solutions to problems.

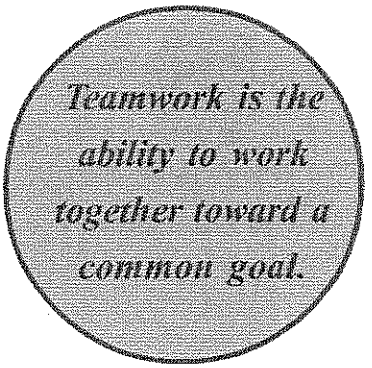
- *Integrity.* The reliability and integrity of our test results and work product will be above reproach.

- *Cross-Training.* Our personnel are cross-trained in more than one service area, adding to our ability to provide the depth of qualified and technical staff required for most projects.

Responsiveness & Resources

Our top-level managers and technicians are available to staff your projects as soon as the scope of work is finalized. With 125 offices and 2,500 people on staff across the country, we have an extensive staff of experienced professionals and cross-trained technicians who can be mobilized to meet any unusual demands that may arise. We can quickly move people and equipment from neighboring offices to meet sudden unexpected needs.

The nature of our consulting business rests in the management from different sources of many projects which must be prioritized and responded to in a limited timeframe. We have been doing this successfully for many years and the number of repeat assignments that we have received from our clients demonstrates our success in meeting their needs for responsive service. It is our philosophy that a commitment to meet the needs and expectations of a client must come not only from our senior management, but also from each and every member of a project team. We take commitments very seriously and will commit our local and national resources to provide the level of service every client should expect for their project. We will be available to our clients 24 hours a day and 7 days a week.

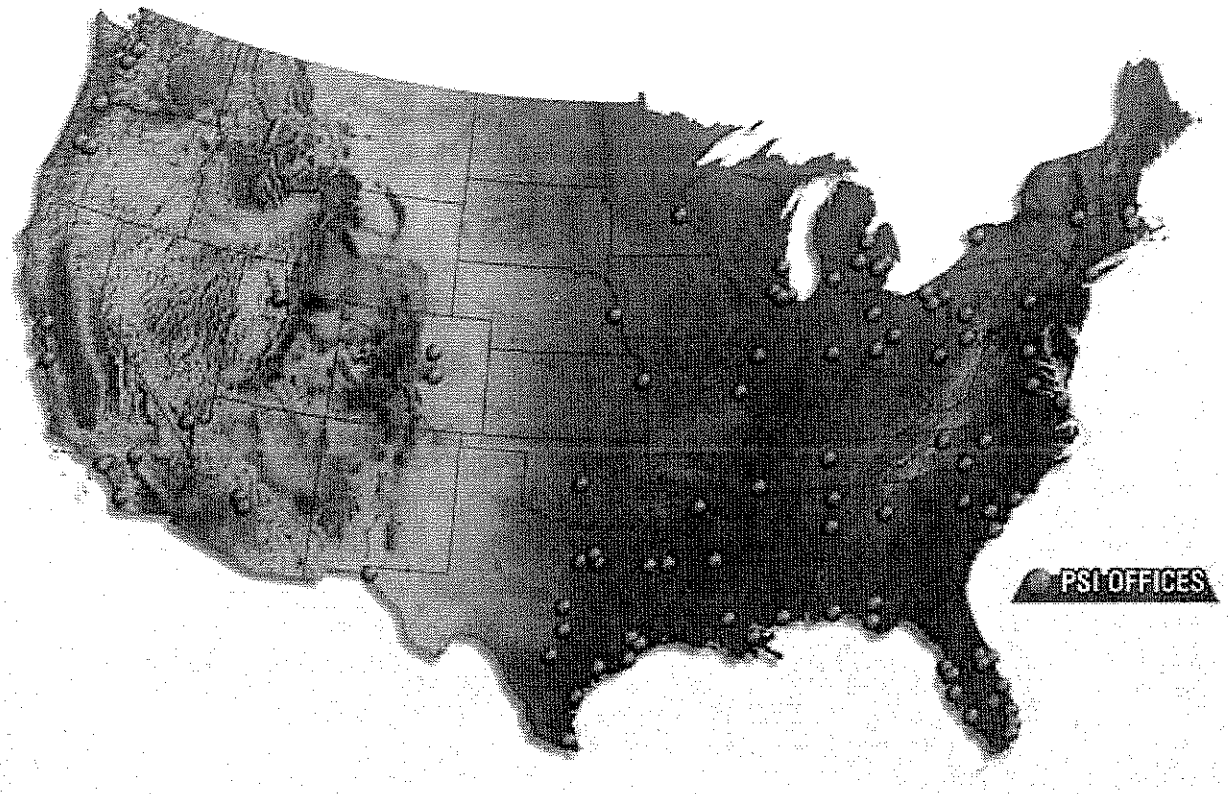


Our Message To You

PSI is committed to being the geotechnical engineering, environmental consulting and construction materials testing services firm of choice to clients nationwide. To this end, we continuously look to hire and retain the best employees, efficiently manage projects and become the most trusted provider of these services in the country. It is our sincere desire to provide you with the consulting engineering expertise you need to successfully complete your projects and attain your goals. We have the knowledge and expertise gained from more than 100 years of practice available in offices all over the country. Our national key staff are trained and registered in multiple states, and, by working closely with the local PSI staff, they are capable of immediately providing the quality service you seek on a given project. As a result, we feel very confident that we can be an asset to your firm. We ask only for the opportunity to do so.

Office Locations

With 125 offices and approximately 2,500 employees in 35 states, we have the resources to meet all your project needs across the country. The map below illustrates PSI's office locations.



Summary

We are confident that upon review of PSI's qualifications and experience, you will determine that we are exceptionally well-qualified to join your project team. We are committed to the success of our clients, not only in the successful completion of their projects, but also in continuing to develop strong working relationships, resulting in a teamwork environment.

Geotechnical Engineering

For infrastructure improvement projects, conditions belowgrade are often as important as surface conditions. This is especially true when construction is contemplated. The most cost-effective way to ascertain subsurface conditions is by procuring geotechnical services such as those provided by the professionals at PSI.

Geotechnical conditions play a crucial role in proper construction of roads, runways, bridges, dams, and other structures. A solid foundation is an essential prerequisite for any well-constructed improvement. A thorough subsurface exploration can result in a more cost-effective foundation design and can reduce construction delays caused by unforeseen conditions.

Quality is an integral part of PSI's approach to geotechnical work. Our Principal Consultants, engineers with years of demonstrated experience, are the crux of our quality assurance program. These Principal Consultants review all reports and documentation on each project to make certain that PSI's methodologies and contractual agreements are strictly followed and that conclusions and recommendations are valid, effective, and practical. In addition, field and laboratory personnel receive intensive training from seasoned veterans before they begin working in the field.

PSI is experienced. Tens of thousands of subsurface explorations have been performed by PSI personnel on a wide variety of projects. Our experience ranges from projects requiring a few soil borings to large projects requiring several hundred borings.

Equipment and Facilities

PSI maintains a large variety of land and marine subsurface exploration equipment, along with laboratory and office facilities. We have more than 100 fully-equipped exploration crews with drill rigs mounted on all types of carriers to allow access to virtually any condition on land or water. The principal type of drilling equipment we maintain is CME and mobile auger rigs. Typically, the crews are supervised in the field by an engineer or a graduate geologist. The variety of sizes and types of equipment and our crews' broad experience permit flexibility in sampling and drilling techniques and in scheduling.

Preliminary or General Studies

- Muck survey
- Early site selection
- Preliminary soil and foundation evaluation
- Foundations for structures
- Slope stability and design
- Site preparation specifications
- Design of pond and landfill liners
- Embankment settlement
- Vibration studies

Geotechnical Engineering

continued

Foundation/Specialty Analysis

- Risk assessment
- Foundations/construction over compressible soils
- Subsoil modification
- Analysis of high-rise foundations
- Dewatering concepts
- Soil mechanics research
- Specialty foundations
- Retaining walls
- Interpretation of cone penetration test data
- Landfill foundation studies
- Earthen dam analysis
- Pile driving analyzer

Environmental/Permitting

- Environmental permits
- Groundwater studies
- Soil suitability analysis
- Effluent disposal evaluation
- Well and pollution source inventory
- Design of pond and landfill liners
- Water supply testing and permitting
- Septic tank design and permitting
- Drawdown effects on wetlands
- Sanitary landfill permitting

Effluent Disposal

- Percolation pond design, Rapid Infiltration Basins (RIBs)
- Wetland disposal assessment
- Development of groundwater monitoring plans

Groundwater Monitoring Plans

- Design and implementation of groundwater monitoring plans
- Installation of monitoring wells
- Sampling of groundwater from monitoring wells

Roadway/Transportation Studies

- Corridor study/fatal flaw analysis
- Bridge foundations (shallow and deep)
- Pavement design

Field and Drilling Services

- Standard test borings
- Auger borings
- Monitoring well installation
- Continuous sampling
- Environmental sampling
- Undisturbed thin-walled tubes
- Groundwater sampling
- Bulk disturbed samples
- Mineral exploration
- Rock coring

Laboratory Services

- Soil classification
- Strength parameters
- Consolidation
- Compaction
- Permeability
- CBR
- Soil cement
- Triaxial
- Relative density

Additional Services

- Hydrology
- Earthquake geology and engineering
- Environmental geology
- Soil stabilization
- Geophysical investigations
- Soil/rock dynamics

Construction Materials Testing and Engineering

The construction of transportation projects including bridges, dams, embankments, roads, airport runways, offshore structures, and other types of facilities requires precise planning, careful design, rigorous execution, and the expenditure of considerable capital. Therefore, it is extremely important that all work and materials be of the highest quality to assure that specifications, schedules, and budgets are met. One way to do this is by utilizing the services of PSI, an independent quality control and testing consultant.

PSI has been providing construction quality control services since its founding in 1962. Pittsburgh Testing Laboratory, a subsidiary of PSI, tested the original cables for the Brooklyn Bridge in the 1880s; in recent years the firm tested the replacement cables. No other testing and inspection firm has that kind of history and continuity.

PSI holds certifications and approvals from industry and trade organizations, federal government agencies, and individual states for a variety of services and procedures. Your local PSI office will be happy to provide you with an applicable list for your area.

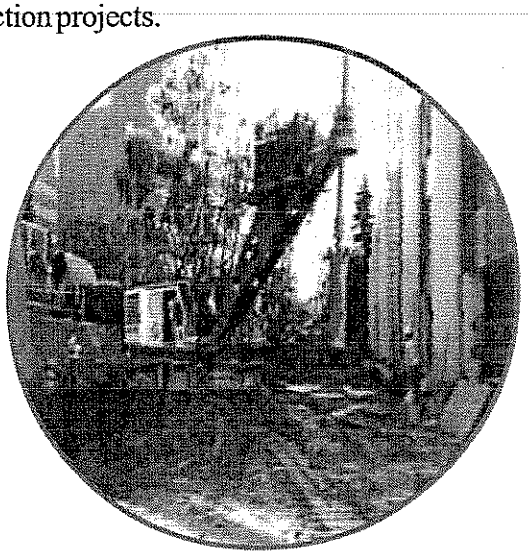
Wide Range of Services

PSI's construction services can contribute to quality for a variety of projects. Our services can be provided on either a call-out or resident basis, and our specialty is dedicated project testing for which we provide an onsite laboratory and a full-time staff. All field activities are supported by our laboratories which have total materials testing capabilities including many types of metallurgical testing. Our laboratories can also perform special testing, in which unusual types of testing are performed by creating test conditions based on our client's needs and specifications.

PSI maintains complete facilities and equipment for inspection and testing of soils and foundations, concrete, pavements, masonry, structural, metals, roofing, and specialty areas. In addition, PSI performs a full range of consulting engineering services including investigation and evaluation of materials failures and/or deterioration, forensic evaluation of all types of construction materials and/or structures, and establishment of QA/QC procedures for construction projects.

Soils and Foundations

- Exploration and soil borings
- Rock core drilling and exploration
- Laboratory testing and analysis
- Field testing, inspection and control
- Grout stabilization inspection
- Deep foundations testing and inspection
- Reinforced earth construction



Construction Materials Testing and Engineering

continued

Concrete

- Cement physical and chemical testing
- Mix design
- Strength testing compressive, flexural and split tensile
- Field testing and inspection
- In-situ evaluation
- Reinforcement location
- Prestressed and precast concrete testing and inspection
- Aggregate unit weight, gradation, etc.

Pavements

- Preconstruction services
- Soil density testing
- Soil stabilization testing
- Soil-cement
- Laboratory testing of asphalt
- Field testing and inspection
- Concrete pavement testing and inspection
- Pavement evaluation and failure investigation
- Underdrains

Masonry

- Concrete masonry unit testing
- Mortar/stucco mix design, testing and inspection
- Brick testing
- Construction testing and inspection
- Failure investigation
- Prisms construction control

Structural

- Threshold inspections
- Post-tensioning calibration and inspection
- Fireproofing thickness, weight and adhesion/ cohesion
- Reinforcing steel

Roofing

- Field evaluation and testing
- Monitoring of roof application
- Laboratory testing

Metals

- Structural steel fabrication inspection and certification
- Structural steel field erection inspection
- Weld certification and procedure qualification
- Construction inspection and testing
- Nondestructive examination
- Laboratory testing

Specialty

- Floor flatness profiling
- Vibration monitoring
- Load tests
- Failure investigations
- Curtainwall mock-up and fabrication inspection
- Review of waterproofing specifications
- Monitoring of waterproofing application

Pavement Testing and Consulting

Although manufacturers and contractors will perform pavement evaluations, they simply have too much at stake in the outcome of your decisions to be your only source of information. With the complexity and large expense involved in pavement today, there is a real need to involve an objective and unbiased party in the process. PSI's pavement evaluation team can help you reduce expenses and frustration by providing practical, cost-effective, and appropriate solutions to pavement concerns.

An effective pavement evaluation and management program improves pavement condition, extends service life, and ***maximizes the return on your investment.*** PSI consulting helps you shift a considerable amount of money from the liabilities column to the assets column -- money that might have been spent to replace the pavement five to ten years earlier than should have been necessary, or on emergency repairs if problems were not spotted and corrected early.

For more than 20 years, PSI has been providing pavement evaluation services. Our clients include major national retail chains, airports, industrial facilities, universities and schools, and government installations. PSI has established a logical, effective, and economical approach to solving pavement problems. A given project or situation may call for any or all of our capabilities.

Phase I Evaluation

Before any decisions can be reached the current condition of the existing pavement must be determined. By using properly trained personnel and the latest techniques and equipment, we provide decisionmakers with accurate assessments including complete documentation. Our services are as follows.

- *Visual Site Inspection.* A visual inspection is performed for the entire pavement area and surrounding off-site areas (adjacent pavement, roadways, slopes, etc.) that may influence the pavement and identify areas of pavement distress and failure using scaled drawings to indicate areas of major distress requiring remedial action. Existing drainage patterns and areas of previous repair work and any areas that indicate poor construction of the original pavement installation or subsequent repairs are identified, present maintenance efforts are evaluated, and photographs of portions of the existing pavement are provided.
- *Analysis.* The visual inspection allows PSI technicians to determine the approximate age of the pavement and its remaining useful life. They analyze the types of pavement distress present and determine the pavement failure and probable causes. In addition, they determine if the existing traffic usage and circulation patterns have significantly affected the pavement and caused premature distress.

Pavement Testing and Consulting

continued

- *Recommendations.* After analyzing pavement distress and failure, PSI technicians provide minor pavement repair and maintenance recommendations for the distressed pavement area, addressing the probable source of the existing pavement distress. Each repair recommendation is fully described and follows applicable State Highway Department specifications. All major areas requiring complete removal and replacement are located and their extent indicated on a site plan. PSI will recommend a continuing preventative maintenance program to protect the investment in the pavement repair/ rehabilitation. If major failure has occurred, we recommend a Phase II evaluation.

Phase II Evaluation

During this phase, PSI performs a more detailed analysis of pavement conditions, especially subsurface conditions. This phase will include core samples of pavement structure, borings to test materials and location of the water table, and laboratory analysis of core samples and subgrade materials. It may also include deflection testing of the pavement structure to determine the adequacy of the existing pavement design and to provide parameters for design rehabilitation strategies. Various strategies are compared and presented to the client with recommendations for the rehabilitation of the pavement.

Phase III Design and Specifications

Based on the results of the Phase II analysis, PSI will prepare specifications, plans, and bid documents for the rehabilitation or reconstruction project. This includes assistance and recommendations during the bidding process to select a qualified contractor.

Phase IV Construction Inspection and Quality Control

The quality of work performed during the construction of a parking lot has a crucial impact on longevity. PSI provides full or part-time inspection and monitoring of construction projects to ensure that the work is conducted according to contract and specifications. This includes preconstruction conferences and in-progress meetings with contractor and client.

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PREVAILING WAGE
2009 Schedule of Services and Fees

PERSONNEL HOURLY RATES

Engineers/Geologists/Scientists:

Chief Engineer/Scientist	$200.00	per hr.	Project	$140.00	per hr.
Senior Professional	$175.00	per hr.	Senior Staff	$125.00	per hr.
Expert Witness	$400.00	per hr.	Staff	$100.00	per hr.

Inspectors/Technicians:

Soils Technician	$90.00	per hr.	Fireproofing Inspector (ICBO)	$90.00	per hr.
L.A. City Inspector	$90.00	per hr.	Electrical/Mechanical Inspector	$90.00	per hr.
Senior Soils Technician	$90.00	per hr.	OSHPD/DSA Inspector	Quote	
Concrete Technician (ACI)	$90.00	per hr.	Roofing/Waterproofing Inspector	$90.00	per hr.
Asphalt Paving Technician	$90.00	per hr.	Roofing Preconstruction Meeting	$400.00	per hr.
Environmental Technician	$90.00	per hr.	Rebar Tag & Sample	$90.00	per hr.
Concrete Inspector (ICBO)	$90.00	per hr.	Concrete/Asphalt Batch Plant	$90.00	per hr.
Prestressed Concrete Inspector (ICBO)	$90.00	per hr.	Concrete/Asphalt Coring (1 man)	$100.00	per hr.
Masonry Inspector (ICBO)	$90.00	per hr.	Concrete/Asphalt Coring (2 man)	$175.00	per hr.
Structural Steel Inspector (ICBO)	$90.00	per hr.	Ceiling Wire Pull Testing (incl. equipment)	$90.00	per hr.
Certified Welding Inspector (AWS-CWI)	$95.00	per hr.	Anchor Bolt/Dowel Pull Testing (including equipment)	$90.00	per hr.

NDE Personnel (incl. Equipment):

Ultrasonic Technician, Level II	$110.00	per hr.	Pachometer (R-Meter)	$110.00	per hr.
Magnetic Particle, Level II	$110.00	per hr.	Pulse/Velocity (F-Meter)	$110.00	per hr.
Liquid Penetrant Level II	$110.00	per hr.	Radiographic (plus supplies)	Quote	per hr.
Impact Echo (ASTM C1383-98)	Quote				

Support Staff:

Project Manager	$110.00	per hr.	Clerical	$50.00	per hr.
Sample/Submittal Pick-up & Delivery	$65.00	each	Drafting	$65.00	per hr.

EQUIPMENT DAILY RATES

Vehicle	$0.00	per day	Sand Cone	$40.00	per day
Concrete Air Meter	$0.00	per day	Torque Wrench w/ Multiplier	$50.00	per day
Nuclear Density Gauge	$40.00	per day	Water Vapor Emission Test (per kit)	$50.00	per day
Schmidt Hammer	$40.00	per day	Windsor Probe (plus supplies)	$80.00	per day
Skidmore	$72.00	per day	Mileage	$0.60	per mile
Concrete Coring Equipment	$150.00	per day	Pull Testing Equipment	$120.00	per day

MATERIALS TESTING

Atterberg Limits (LL & PL) ASTM D4318	$125.00	each	Moisture Density Relation ASTM D698/1557	$155.00	each
California Bearing Ratio ASTM D 1883	$450.00	each	pH & Resistivity ASTM G51	$110.00	each
Consolidation ASTM D2435	$275.00	each	Resistance Value CAL 301	$300.00	each
Constant Head Permeameter ASTM D2436	$210.00	each	Sand Equivalent ASTM D2419	$90.00	each
Direct Shear Test ASTM D3080	$225.00	each	Shrinkage Limits ASTM D4318	$75.00	each
Expansion Index	$160.00	each	Single Checkpoint ASTM D1557	$90.00	each
Hydrometer Analysis ASTM D422	$160.00	each	Sulfate & Chloride Content CAL 417A	$100.00	each
In-situ Moisture Content ASTM D2216	$18.00	each	Unconfined Compression ASTM D2938	$100.00	each
In-situ Moisture/Density ASTM D2216	$30.00	each			

NOTE: General Notes on Page 3 are applicable for all Personnel Rate

INITIAL _____

These rates are valid through June 30, 2009, and we propose an annual escalation rate beginning July 1, 2009, of 2%

3960 Gilman Street, Long Beach, California 90815 ¤ Phone (562) 597-3977 ¤ Fax (562) 567-8459

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2009 Schedule of Services and Fees

MATERIALS TESTING (Continued)

Aggregates:

Abrasion (LA Rattler) ASTM C131	$180.00	each	Sieve Analysis, Coarse ASTM C136	$90.00	each
Absorption, Coarse ASTM C127/Fine C128	$60.00	each	Sieve Analysis, Fine w/wash ASTM C136	$90.00	each
Cleanness Value CAL 227	$100.00	each	Sieve Analysis, Minus #200 ASTM C117	$90.00	each
Durability Index CAL 229	$120.00	each	Sodium Soundness ASTM C88	$300.00	each
Sand Equivalent ASTM D2419	$100.00	each	Specific Gravity, Coarse ASTM C127/Fine C128	$30.00	each
			Unit Weight ASTM C29	$60.00	each

Asphalt Concrete:

Extraction ASTM D2172	$140.00	each	Stability & Flow (Marshall) ASTM D1559	$160.00	each
Gradation ASTM C136	$90.00	each	Theoretical Maximum Specific Gravity	$95.00	each
Specific Gravity of Cores ASTM C1188	$80.00	each	(Rice Method) ASTM C2041		

Concrete:

Cement Treated Base ASTM C1633	$60.00	each	Mix Design Review	$250.00	each
Compression Testing:			Restrained Expansion ASTM C878	$300.00	each
Concrete Cylinders 6"x12" ASTM C39	$25.00	each	Shrinkage Bars ASTM C490 (set of 3)	$250.00	each
Concrete Cubes 2"x2" ASTM C39	$25.00	each	Splitting Tensile Strength ASTM C496	$80.00	each
Concrete Cores ASTM C42	$25.00	each	Trial Batch, per point	$300.00	each
Flexural Beam 6"x6"x24" ASTM C78	$80.00	each	Non-Destructive		
			Modulus of Elasticity ASTM C-219	$190.00	per hr.

Masonry:

CMU Compression ASTM C140:			Grout Prism Compression	$25.00	each
8"x8"x16" & Under	$100.00	each	(3"x6" Prisms)		
Larger than 8"x8"x16"	Quote	each	Mortar Compression	$25.00	each
CMU Absorption/Moisture	$65.00	each	(2"x4" Cylinders)		
Composite Prism	$200.00	each	Masonry Cores:		
CMU Conformance ASTM C90	$450.00	each	Shear Tests, Grout to CMU	$100.00	each
(Absorption & Compression)			Compression Test	$50.00	each

Steel:

Reinforcing Steel:					
Tensile No. 8 & Smaller	$65.00	each	Structural Steel (coupon preparation extra):		
Tensile No. 9 - No. 11	$75.00	each	Tensile	$90.00	each
Tensile Over No. 11	Quote	each	Bend	$90.00	each
Bend No. 8 & Smaller	$75.00	each	High Strength Bolts, Tensile (min. 2 tests)	$70.00	each
Bend No. 9 - No. 11	$100.00	each	Hardened Washers ASTM A325	$60.00	each
Fireproofing Density	$42.00	each	Nut Suitability ASTM A325	$60.00	each

Roofing:

Roofing Tile Strength Test,	$50.00	each	Built-up Cut Samples, Unit Weights	$70.00	each
Roofing Tile Absorption Test,	$40.00	each	Built-up Cut Samples - Complete Analysis	$400.00	each

INITIAL _____

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PREVAILING WAGE
2009 Schedule of Services and Fees

GENERAL NOTES:

1. Normal working hours are defined as 8:00 a.m. to 4:00 p.m. Monday through Friday.
2. PSI requires notification at least 24 hours in advance of the schedule job starting time. Forty-eight (48) hours is requested for night, weekend or out of town work.
3. Personnel rates quoted above are portal to portal from our Office.
4. All rates are based upon a 4-hour minimum charge for assignments of up to 4 hours.
5. An overtime rate of 1.5 times the regular rate will apply for all work over 8 hours, up to 12 hours, on week days and the first 8 hours on Saturday. Double time will be charged for week day work in excess of 12 hours, Saturday work in excess of 8 hours, and work on Sunday. Work on legal holidays will be charged at triple time.
6. Week day work performed during other than "normal working hours" will be charged a shift premium of 1.3 times the normal hourly rate for the first 8 hours.
7. Re-testing and re-inspection will be performed at the unit rates indicated and will be in addition to the estimated costs.
8. Samples for testing, which do not meet the specified test condition at the time of receipt by PSI, will require special preparation and be subject to a minimum preparation charge of $15.00 per sample, depending on the particular test.
9. Laboratory testing required to be performed outside normal working hours shall be charged at 1.5 times the normal test rate.
10. There will be a 50% surcharge on "Expedite" test results.
11. Rented equipment, commercial travel, shipping, reproductions, long distance phone calls and/or any outside services performed will be billed at cost plus 20% unless billed directly to and paid by the client.
12. **This Proposal (bid, etc.) is contingent upon the client's representation that the project is SUBJECT to CALIFORNIA PREVAILING WAGE LAWS.**
13. A final Soils Report and or a Final Affidavit will be prepared and submitted to the client within 60 calendar days of completion of all materials testing conducted by PSI at the site. These reports will be billed in accordance with the hou rates contained herein
14. There will be a charge for a Project Engineer for test evaluation, report review and consultation at the rate of 0.35 of an hour p report issued.

INITIAL _____

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Southwest Geotechnical, Inc.
Consulting Engineers & Geologists

21704 W. Golden Triangle Road Suite 425
Santa Clarita, California 91350
Telephone: (661) 222-9544 Fax: (661) 222-9549
info@swgeoinc.com

STATEMENT OF QUALIFICATIONS

Prepared For

City of Culver City - Engineering Division
Mr. Sammy Romo
9970 Culver Blvd
Culver City, California 90232

March 25, 2009

Southwest Geotechnical, Inc.
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Santa Clarita, California 91350
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info@swgeoinc.com

March 25, 2009

City of Culver City - Engineering Division
Mr. Sammy Romo
9970 Culver Blvd.
Culver City, California 90232

Subject: **Statement of Qualifications - Geotechnical Engineering and Material Testing**

Southwest Geotechnical, Inc., (SGI) is pleased to submit the attached statement of Qualifications (SOQ) for consideration for provided on-call geotechnical engineering and material testing consultant services for potential projects for the City of Culver City.

Southwest Geotechnical, Inc., a geotechnical engineering firm that combines the disciplines of Geology, Soils and Civil Engineering, and Applied Sciences to provide you with cost effective practical solutions for your projects. Southwest Geotechnical, Inc., personnel have provided Geologic, Geotechnical, Environmental, and Deputy Inspection services to Architects, Civil Engineers, Commercial and Residential Developers, Government Agencies, Homeowners and Real Estate Agencies throughout Southern California for over 30 years. SGI's in-house soils-testing laboratory is certified by the City of Los Angeles for work within the City limits.

Our experience and expertise allows us to effectively handle residential (tract sub-division) and all types of commercial developments, custom-built homes and additions, and municipal projects. Our goal is provide cost effective geotechnical solutions during the preliminary and construction phases of your projects. We have developed and maintained long-term relationships with many of our clients. Their referrals and continued use of our services has allowed us to continue to expand.

If there are any questions regarding this statement, or if you need additional information, please call our office. Thank you in advance.

Southwest Geotechnical, Inc.

Michael Sprock
General Manager

DESCRIPTION OF SGI

SGI as an entity has been successfully providing engineering geologic and geotechnical engineering services throughout Southern California since 1995, primarily within the County of Los Angeles but has extended services to within San Bernardino, Ventura, Orange, San Diego & Santa Barbara. Southwest Geotechnical, Inc., personnel have provided geologic, geotechnical, environmental, and registered deputy grading inspection services to architects, civil engineers, commercial and residential developers, government agencies, homeowners, and real estate agencies throughout Southern California for over 30 years.

As a relatively "small" company, we maintain flexibility and superior personal communications with our clients, and are able to provide timely services to meet the demands required by the on-call nature of the required work.

Standard SGI services include (but are not limited to) preparation of the following: subsurface investigations and preliminary soils engineering/foundation reports, liquefaction studies, slope stability analyses, landslide investigations, percolation/septic system feasibility and design, geologic investigations and reports, building distress evaluations, soils laboratory testing, manometer surveys, compaction testing and final grading reports, pile/excavation observations, and expert witness testimony. SGI is a City of Los Angeles certified soils testing laboratory, has Hazmat certified personnel, and our field personnel are nuclear densometer certified.

Company Organization

The following team members with technical experience will be your professional project team leaders:

Title	Name	Licensure
Owner General Manager	Michael J. Sprock	
Principal Engineer	Frank Miscione	RCE #69031
Principal Geologist	Conrad Carrle	RG# 7688, CEG #2359
Project Engineer	Chris E. Lillback	RCE #35007
Office Manager	Sonja Senftleben	
Draftsman	Joshua Lopez	
Lab Manager	Tony Zuniga	

Sub-Contractors

We have worked closely over the past 13 years with Richard Rybak (GE #2131), who would act as a subcontractor for SGI should the services of a licensed Geotechnical Engineer be required.

Other contractors that may be used if necessary are as follows:

Geotechnical Engineer:	Richard Rybak (GE #2131)	818-785-0550
Hand Excavations:	Geoworks, Simi Valley, CA	805-657-0419
Hollow-Stem Drilling:	R&C Drilling, Agoura Hills, CA	818-376-1296 fax
Bucket-Auger Drilling:	JS Construction, Malibu, CA	818-888-2558 fax
CPT/SPT Sampling:	Gregg Drilling, Signal Hill, CA	562-427-6899
General Contracting:	Intertex General Contractors, Valencia, CA	661-702-2222

Clientele

Southwest Geotechnical, Inc., has provided professional services to a wide range of clients and has recently specialized in liquefaction analyses and innovative mitigation using "Stone Column" densification techniques in the City of Santa Clarita, a method not previously known by, or approved for use by the City of Santa Clarita. Our clientele ranges from relatively small to medium size commercial developments and high-rise structures and small to relatively large residential/commercial subdivision developments and non-profit organizations and churches.

The following is a summary of some of the clients SGI personnel has worked for.

Government Agencies - City of Culver City (Ryback) - Building for Department of Building and Safety, Palmdale Water District - Retrofit of Littlerock Dam, City of Santa Clarita, City of Inglewood, State of California- State Prison (Mira Loma Facility), United States Army at Fort Irwin - San Bernardino County, Naval Weapons Center - China Lake, Whittaker-Bermite (CDM/DoD), U.S. Postal Service, Mt. St. Mary's College, Pepperdine University, Los Angeles County Public Library

Commercial Developer/Residential Developer (Tract) - NAI Commercial Capital, ZDX Industries (City of Inglewood Re-development), Clark Management Development, Intertex General Contractors, Kaufman and Broad (KB) Homes, Pardee Homes, Royal Investors Group, American Premiere Homes, Monterey Homes, and Crissman Commercial

Commercial Retail - Ralphs-Payless Stores, Wick's Furniture, Stater Brothers Markets, Walgreens, Inc., Thrifty Drug Stores, Waste Management Co., Jack-in-the-Box, Taco Bell, Kentucky Fried Chicken, Agua Dulce Airport, Bank of America, Archdiocese

Residential Developer (Custom) – Information provided upon request.

Non-Profit Organizations - Real Life Church, Christian Fellowship Church, Beth Shalom, Faith Baptist Church, Church of the Nazarene, Church on the Way, Church of the Canyons

PROJECT MANAGEMENT METHODOLOGY

Any particular project will be managed by our principal engineers or geologists during any "preliminary" or pre-construction, or construction phases. The project manager would be the point-of- contact for requests for any geotechnical services. During construction, the Field Technician Manager will be the primary contact for scheduling of field technicians needed for ongoing observation and construction testing type work. Any issues that may arise would be directed to the General Manager, or appropriate Principal.

Preliminary Studies

Cost for preliminary work is estimated by preparation of a budget ("Cost Analysis Sheet"), which indicates each task, expected laboratory testing, and associated itemized cost of the project. Scheduling of preliminary work is conducted by both the project manager and the office manager, who coordinates subsurface excavation equipment scheduling. Throughout the projects progression, the budget sheet is referred to in order to ensure that the project is progressing "on-budget". Should the need arise during the progression of the project for additional work to be completed, the project manager will prepare a written "Authorization to Proceed" for any additional work that is needed or required beyond that which was initially proposed, including an estimation of the additional costs. Generally, such authorizations would only be necessary if the scope of the project changes, geotechnical conditions vary from those anticipated, or if additional tasks are added by the City of Culver City.

A typical procedure for a preliminary study would be conducted as follows: 1) Research of in-house reports and files available at the City of Culver City, 2) Underground Service Alert contacted to mark underground utilities, 3) excavation, logging and sampling of test holes, 4) surface mapping of site, 5) evaluation of samples and assignment of appropriate laboratory testing based on the assessment of the samples, 6) analysis of the laboratory test data, calculations as appropriate (bearing capacity, slope stability, liquefaction potential, etc.), 7) discussion with contact at the City of the preliminary results of our investigation, 8), preparation of engineering report, providing recommendations for mitigation of potential geotechnical hazards.

The geotechnical report would include a complete description of the site conditions, results of research, a description of the earth materials, field and laboratory test procedures, and our findings and recommendations to include engineering calculations completed. Prior to completion of preliminary reports, the report will be reviewed by no less than 3 individuals, including the project manager (principal), general manager, and office manager to ensure correctness and completeness of the report.

Grading Observation Monitoring/Final Reports

One of the principals or the general manager will observe any keyways or substantial bottom excavations for competence prior to placement of new engineered fills. Representative samples of the various soils that may be used for backfill will be obtained and tested for maximum density per ASTM standards. Any adverse conditions exposed in the bottoms will be noted and mitigation recommendations will be made. During backfilling operations, a field technician will be onsite to test fills for relative compaction. Tests will be taken in accordance with ASTM D1556 (sand-cone) and ASTM D 2922-01 (Nuclear Densometer), and any failing tests or adverse moisture conditions will be discussed with the backfill contractor. An adequate backfill, moisture conditioning and compaction procedure will be established to ensure that the progress is productive and effective.

Any imported soils shall be secured and delivered to the Laboratory to ensure that the soil to be imported meets with the project design criterion by grain size analyses, maximum density testing, and/or shear strength testing as required for the project criterion.

At the end of every field day, a Notice of Field Observation would be prepared, which will indicate arrival time, work completed while on site, departure time, and any outstanding geotechnical issues. The Notice will be left with the site superintendent or at any other specified location on site.

Special Inspection Services

SGI can at the request of the City, provide special inspection for concrete slump testing, steel, rebar, and pile installation. A field observation form will be prepared which will indicate arrival time, work completed while on site, departure time, and any outstanding problems on site. Note that contrary to the industry standard, SGI will invoice a minimum of 4 hours for inspections but in hourly blocks past the 4-hour minimum, rather than in 4-hour blocks of time.

CADD CAPABILITY

Southwest Geotechnical, Inc., currently operates utilizing Autocad 2006 for the preparation of most of our drawings associated with the reports, though we are able to down-convert later versions of Autocad to a 2006 version. Our draftsman (Josh Lopez) is a graduate of the ITT Technical Institute CADD design program. Additionally, Mr. Lopez has worked in the general construction field and therefore has "hands-on" experience in concert with good common sense. If source maps for a project are digital, then the end product will be a computer-generated map that is typically more accurate and cost effective, and allows for easy revision if the plans change. Maps will be printed on an HP design jet 800 PS Plotter with full-size sheets up to 36 inches wide, with no practical limit on length, or on 11x17 sheets, whichever is appropriate to the project.

REFERENCES

Please see the Clientele list above for a list of previous experience.

Since most, if not all of our construction monitoring services are provided on an "on-call" basis, we are intimately familiar with this method of operation. We have included a selected list of clients and projects that show the range of work completed by SGI which may be helpful to the City of Culver City in selecting SGI for the on-call services.

ZDX Industries, Mr. Ali Mansouri
3122 Santa Monica Boulevard #301
Santa Monica, California 90404
Tel.: 310-315-2883 - Fax: 310-315-2886

Project: "Preliminary Earthquake Fault Investigation and Soils Engineering Report, Proposed Commercial "Market Plaza," APN 4015-028-900 through -909, 200 North La Brea Avenue, City of Inglewood, California", SGI #0706204

Description: Site is located within the Newport-Inglewood Fault zone and was slated for City development with a market plaza/strip mall. SGI excavated and logged a 140 foot long geologic fault trench through the portion of the site where structures are planned to evaluate historic faulting of the site. Additionally, standard heavy foundation design and seismic design criterion were provided to assist the project structural design consultant in preparing foundation design plans.

Real Life Church, Mr. Joseph Um
25115 Avenue Stanford #100
Valencia, California 91355
Tel.: 818-421-7027 Fax: 661-251-2441

Project: "Real Life Church", Parcel 8, Parcel Map 063295, of APN 2811-001-146, Newhall Ranch Road, Valencia, "Bridgeport" Area Church Project, City of Santa Clarita, California

Description: Soils investigation of liquefaction potential for partial subterranean church building, and providing recommendations for mitigation of liquefaction potential and related hazards. Project was approved for mitigation utilizing "Stone Columns" with the condition that a Quality Control Program of the "Stone Column" installation be instituted and subsequent issuance of a post-remediation report addressing the liquefaction mitigation (meeting design criteria). Project is currently in the subterranean foundation construction phase, with compaction testing for "counter fort" retaining wall backfills.

Hasley Ranch Estates LLC, Mr. John Calvert
308 East Carillo Street
Santa Barbara, California 93101
Tel.: 310-629-0836

Project: Proposed Single-Family Residential Development, Tentative Tract 66190, Vicinity of Hasley Canyon Road and Del Valle Road, Castaic, Los Angeles County, California

Description: Approximately 231 acres of rolling to rugged terrain slated for residential development of 85+ lots, and County Park, with numerous small to relatively large landslides, liquefaction potential, hydroconsolidation potential, and possible active faulting. SGI provided designs for removal of landslide hazards, mitigation for debris flows, and liquefaction mitigation.

Sand Canyon Plaza LLC
& Sand Canyon Properties, Inc.
C/O Mr. Thomas Clark
16325 Silver Oaks Drive
Sylmar, California 91342
Tel.: 818-833-8230

Project: Proposed Commercial/Residential Project, Revised Tentative Tract No 53074, APN 2839-006-052 to -054, APN 2839-006-58 to -060, APN 2839-005-035. Project is a joint venture between Sand Canyon Properties and Monteverde Development.

Description: Current plans show 14 separate or attached commercial buildings (retail, medical, office), and 259 residential units. Residential units will consist of 18 sixplex, 12 duplex, and 115 single-unit residential structures. A new park and recreational facility, as well as a desilting basin are planned. Site grading will total approximately 1.6 million yards of earth moved. Project is nearing approval from planning and design stage after many revisions to the proposed grading.

BASIS OF FEES

Please refer to the attached "Schedule of Professional Fees" for the requested hourly billing rates.

Estimates of costs per drawing will vary based on the time-frame and complexity of the project, and volume of data. Generally, geotechnical maps require 3 person-hours and Cross Sections require 2.5 person hours per section drawn.

Outside services for subcontractors would be billed at "Cost + 5%".

ADMINISTRATION

Affirmative Action

SGI is an equal opportunity employer and has employed many ethnic minorities, including persons of Indian, Latin American, African-American, and Korean descent, and generally about 20% of the employees are represented by such ethnic minorities. We agree to, and currently do follow all conditions of the Affirmative Action Program Provisions.

Insurance

Please refer to the appended letterhead by Dealey, Renton & Associates, Insurance Brokers, that indicates the insurance currently held by SGI.

Conflict of Interest

SGI and our personnel currently have no relation to any of the work being proposed or accomplished at the City of Culver City. Should this condition change, SGI will be obligated to excuse ourselves of any work which could lead to any conflicts of interest.

We greatly appreciate the opportunity to submit this proposal.

Sincerely,
Southwest Geotechnical, Inc.

Michael Sprock
General Manager

Attachments: Resumes:

- Michael J. Sprock
- Conrad Carrle
- Frank Miscione
- Chris E. Lillback

Insurance Certificate
Schedule of Professional Fees (2008/2009)

SOUTHWEST GEOTECHNICAL, INC. (SGI)

TERMS AND CONDITIONS (PAGE 1 OF 3)

FEE SHEDULE

Registered/Principal Engineer/Geologist	$150.00/hr
Project Engineer/Geologist	$125.00/hr
Staff Engineer/Geologist	$120.00/hr
Project Manager	$125.00/hr
Senior Technician/Field Supervisor	$85.00/hr
Field Technician	$80.00/hr
Deputy Grading Inspector	$85.00/hr
Technical Illustrators/Drafting	$85.00/hr
Plan Review - per Registered stamp	$190.00
Subsequent Plan Review - per Registered stamp	$ 95.00

Field Observations will be charged a 2 hour minimum + plus travel time and mileage

Nuclear Densometer	(2 Hour Minimum)	$12.00/hr
Mileage	(portal to portal)	$ 0.70 per mile
Office Services		$ 40.00/hr
Report Production		$.30 per page Plus Cost for maps
Facsimile Service		$1.00 per page
Word Processing		$10.00 per page
Outside Services		Cost plus 20%
Per Diem, per day per person		$30.00 + Lodging
Laboratory Charges		Rate schedule available upon request.
Forensic Engineering/ Expert Witness		$250.00/hr (4 hour minimum) (Deposition/Court Appearance)

Overtime Policy

Fieldwork (including travel time) over 8 hours and fieldwork after business hours is invoiced at time and a half. Saturday work is invoiced at time and a half. Sunday and Holiday work is invoiced as double time. (Field Observations will be charged a two-hour minimum).

Field Policy

Efforts will be made to accommodate all requests for field observations in a timely manner. However, at least two (2) full working day advance notice is required to schedule personnel and five (5) day notice is needed for full time services. Failure to provide adequate notice my result in personnel not being available creating delays in your job progress. Any re-scheduling of field observations must be made 24 hour in advance or the minimum charge may be applied.

During periods of inclement weather, typically during the rainy season (10-1 through 4-30) observations may be made by SOUTHWEST GEOTECHNCIAL, INC. in order to determine if such weather is adversely affecting the project. These non-scheduled observations and time spent on the site will vary and is at the sole discretion of the soils engineer or his representative and may be made when construction is not in progress.

MODIFICATION AND AMENDMENT:

This Agreement shall not be modified or amended except by written agreement signed by both parties.

ADDITIONAL FEES:

Exploration costs for labor and engineering are estimated, based upon experience within the area. Additional fieldwork beyond the above-outlined scope, caused by unanticipated conditions will be done at an additional cost after your authorization has been received; such conditions may include, but not be limited to, deep fills and or poor soil conditions, caving soils or fills, or exceptionally hard excavating.

All fees are adjusted on January 1 of each calendar year. Upon initiation of the stipulated work in this agreement, you may request the current hourly rates.

EXCLUDED FROM THE QUOTED ESTIMATE OF FEES WILL BE THE FOLLOWING ITEMS:

- Meetings with clients, other consultants, and reviewing agencies
- Additional field hours due to unanticipated conditions (see below)
- Addendum, Review Letters or progress reports
- Reviews during construction & plan reviews
- Fire Access Road Certification
- Required pre-grade meeting

All these services (if applicable) are charged according to the current hourly rates.

PAYMENT OF FEES:

The balance of all fees must be paid before completed report is released (C.O.D.). Reports will be mailed first class unless client makes other arrangements. The cost of the written report includes five wet copies, to be distributed at the clients' discretion. Any additional wet copies will be charged to the client $150.00 per copy and non wet copies are $45.00 each, plus the cost of any oversize map reproduction.

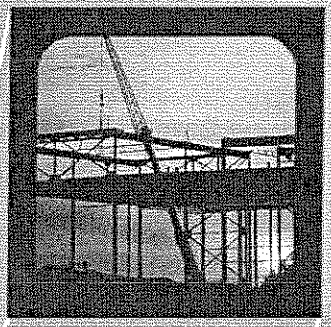
All invoices are due and payable upon receipt. A service charge of 1.5 percent per month, or an annual rate of 18 percent, will be charged on all accounts over thirty (30) days. If there is any dispute over the work performed or the billing, the CLIENT agrees to notify SOUTHWEST GEOTECHNICAL, INC. in writing within 10 days of the invoice date so that appropriate action can take place.

a. Under the Mechanic's Lien Law (California Civil Code, Section 3110 et seq.), any contractor, subcontractor, lessor of equipment, architect, registered engineer, licensed land surveyor, or other person who helps to improve your property but is not paid for his work or supplies, has a right to enforce a claim against your property. This means that after a court hearing, a court officer could sell your property and the proceeds of the sale used to satisfy the indebtedness. Preliminary notices are filed within 20 days of commencing work.

b. If the CLIENT is a corporation, the individual or individuals who signs this Agreement on behalf of CLIENT guarantee that CLIENT will perform its duties under this contract. The individual or individuals so signing this Agreement warrant that they are duly authorized agents of the CLIENT.

Statement of Qualifications

for Engineering Geology and Geotechnical Engineering Services



Presented to
City of Culver City

April 2009

16662 Millikan Avenue
Irvine, CA 92606

[949] 949 660 9718
terracon.com

Terracon

Geotechnical ■ Environmental ■ Construction Materials ■ Facilities

Terracon

April 6, 2009

City of Culver City
9770 Culver Boulevard
Culver City, California, 90232

Attn: Mate Gaspar

Re: Statement of Qualifications to Provide Construction Materials Testing and Geotechnical Services

Dear Mr. Gaspar:

Terracon Consultants, Inc. (Terracon) is pleased to submit our qualifications to provide Construction Materials Testing, Geotechnical, Environmental and Facilities Services to the City of Culver City. We are very interested in being selected to provide our services to the City of Culver City for upcoming projects. We understand that the City of Culver City projects will require a firm with experienced personnel and proven systems for providing critical services.

Terracon brings unique qualifications to provide the following benefits to the City of Culver City:

- **Reliability:** With vast experience working in local conditions, Terracon is a dependable partner throughout the life of your project. We deliver practical solutions, while avoiding delays, surprises, and costly mistakes down the road.

- **Responsiveness:** Acting quickly to meet your deadlines, our employee owners are always available to you. With convenient locations across the country, we're able to continually support and adapt to our clients' fluctuating needs.

- **Convenience:** We've created a flexible combination of services designed to meet multiple requirements and challenges. We also devise budget-friendly solutions that can accommodate projects of any size or scope.

- **Innovation:** Applying new processes, methodologies, and techniques allows us to take a proactive approach to solving project challenges and deliver your projects better and faster. We continually develop our expertise to be leaders in our field.

We are confident that Terracon will provide the City of Culver City with a high level of service and look forward to working with you and your staff on your future projects. Should you have any questions regarding the attached proposal, please contact me at [949] 660 9718. Thank you for your time and consideration.

Sincerely,
Terracon Consultants, Inc.

Ernest Bovenizer, P.G., C.E.G.
Construction Services Manager

Company Profile

Known in the Marketplace as

Reliable

Responsive

Innovative

Convenient

Our Vision

We continue to view our company as a vital and growing consulting firm of engineers and scientists, providing multiple related service lines to clients at local, regional, and national levels. All of our services are delivered on a timely basis with consistently high value and attention to client needs.

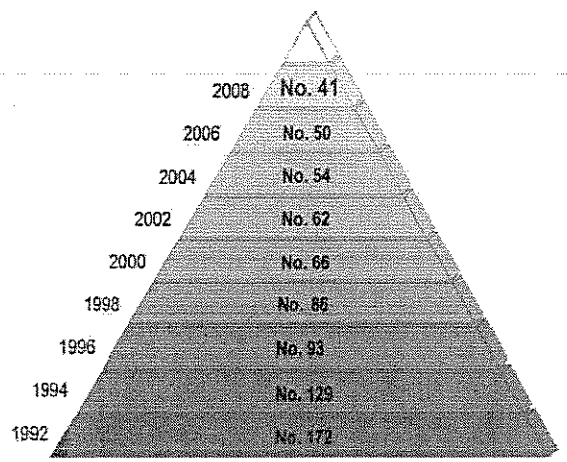
Terracon is a dynamic and growing consulting firm providing multiple related service lines to clients at local, regional, and national levels. Our services are delivered on a timely basis with consistently high value and attention to client needs. Services include:

- Geotechnical
- Environmental
- Construction Materials
- Facilities

Since 1965, our employee-owned firm has provided tailored services to meet our clients' objectives. We help our clients succeed in their business ventures by effectively executing projects, controlling costs, and managing risk. Our clients appreciate this approach, and they know that we intend to be with them for the long term.

Terracon provides services on thousands of projects each year. Our culture, systems, and structure enable us to excel at both small and large projects. By combining our national resources with specific local area expertise, we consistently overcome obstacles and deliver the results our clients expect.

Whether you do business down the street or across the country, we offer a variety of related services through a nationwide network of offices to meet your single- or multi-site needs. Our responsiveness, high quality deliverables, practical solutions, and competitive fees afford clients with an easier way of doing business that saves time and money.



***ENR* Top 500 Design Firms**
Source: *Engineering News-Record*

Corporate Headquarters
18001 W. 106th St.
Suite 300
Olathe, Kansas 66061
Phone: [913] 599 6886
Fax: [913] 599 0574
terracon.com

Services

Geotechnical

Design and construction of functional, cost-effective structures require a thorough understanding of local soil, rock, and groundwater conditions. Terracon provides a wide range of services to support all phases of a project, from feasibility level studies through completion of the construction process.

- Subsurface exploration and testing
- Foundation analysis and design
- In-situ testing and performance monitoring
- Earth structure, slope, and retention systems
- Dynamic analysis and evaluation
- Soil stabilization and ground improvement
- Groundwater control/dewatering
- Pavement design and subgrade evaluation

Construction Materials

Proper selection, quality, and workmanship of construction materials play a vital role in ensuring that today's buildings and infrastructure perform adequately over long time periods. We work with clients to minimize material replacements, reduce the likelihood of deterioration, avoid potential failures, and investigate and evaluate construction materials related problems and failures when they do occur.

- On-site observation and monitoring
- Construction quality control and quality assurance programs
- Field and laboratory testing and analysis
- Design and review of concrete, grout, and asphaltic concrete mixes
- Structural steel nondestructive testing
- Consulting for construction material selection, compatibility, and acceptability
- Forensic investigation and evaluation of in-place construction materials
- Pavement materials engineering and construction management

Environmental

Negotiating the complexities of environmental issues can be challenging and time consuming. Terracon relies upon demonstrated experience and knowledge of local conditions and regulations to deliver solutions that are timely, practical, and make good business sense.

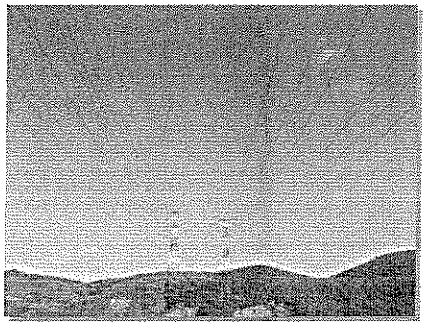
- Site assessments and investigations
- Remedial design and implementation
- Brownfields/site redevelopment
- Natural resources/wetlands delineation/mitigation
- Industrial hygiene, health and safety
- Asbestos/lead/mold/indoor air quality
- Regulatory compliance
- Environmental management systems
- Solid waste planning and design

Facilities

We develop solutions and strategies to assist in the acquisition, construction, and management of facilities.

- Property condition assessments
- Forensic investigations
- Roof/waterproofing
- MEP
- Foundation/structural
- Life cycle cost analysis
- ADA/code compliance surveys
- Peer review
- Construction administration
- Seismic assessments

Geotechnical Services



Terracon has provided geotechnical services to many transmission line clients including, but not limited to, American Electric Power, CenterPoint Energy, and Omaha Public Power District.

Design and construction of functional, cost-effective structures require a thorough understanding of local soil, rock, and groundwater conditions. Terracon provides a wide range of services to support all phases of a project, from preliminary design through completion of the building process.

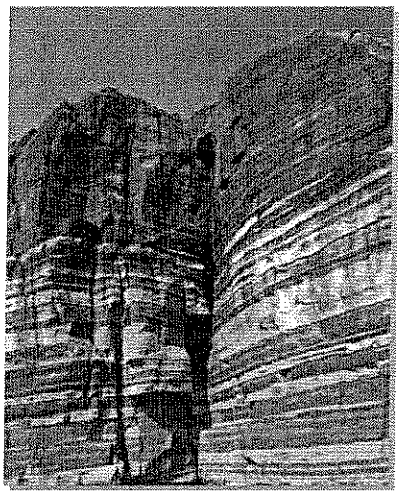
Each local Terracon office, with access to the extensive geotechnical experience and expertise of engineers, geologists, and soils technicians throughout our company, can help to assess the risks associated with subsurface conditions. We participate as a vital member of the project team, focusing on project objectives and using innovative technologies to provide practical design recommendations. Our culture, systems, and structure enable us to excel at both small and large projects.

Our geotechnical services include:

- Subsurface exploration and testing
- Foundation analysis and design
- In-situ testing and performance monitoring
- Earth structures, slopes, and retention systems
- Dynamic analysis and evaluation
- Soil stabilization and ground improvement
- Groundwater control
- Pavement design and subgrade evaluation

With more than 250 geotechnical engineers and one of the largest drilling fleets in the country, Terracon is well positioned to deliver quality, responsive, and cost-effective geotechnical engineering services, regardless of project size.

Geotechnical Services
Foundation Analysis and Design



Terracon provides a wide range of foundation analyses and design services. We continually study and evaluate the latest in geotechnical technology and adopt methods and procedures that provide clear benefits to our clients.

Selection of Bearing Stratum and Design Bearing Pressures
Optimum foundation types may include shallow systems such as footings and mats, and deep systems such as piers and drilled or driven piling. Selecting the optimum system involves integrating the structure type and load information with knowledge of the soil and rock properties.

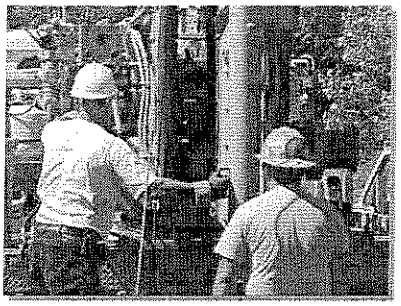
Ground Improvement
Means to improve the load-carrying capacity and reduce the compressibility of a foundation soil may sometimes be used to reduce the foundation costs and/or improve the foundation performance. Techniques include site preloading, dynamic compaction, sand or wick drains, compaction grouting, chemical grouting, vibro-replacement or densification, and other methods.

Foundations for Vibrating Loads
Foundations that support compressors, punch presses, and other vibrating machines require analysis of dynamic loads in addition to static loads. Soil behavior is different under dynamic conditions and must be considered for proper design.

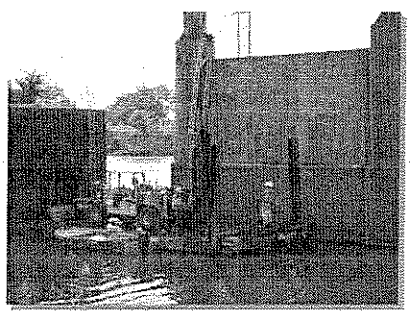
Use of In-Situ Testing and Performance Monitoring Results
After foundations or support systems are in place, it is sometimes desirable to change loading conditions and evaluate the effect of changes. Analysis of such situations often involves use of in-situ and performance monitoring test data.

Geotechnical Services

Drilling Services



Terracon has conducted subsurface exploration for geotechnical and environmental engineering projects since 1965. The company's large fleet of drilling equipment is geographically dispersed to provide prompt service to clients. In addition to conventional truck-mounted rigs, the fleet includes skid and all-terrain rigs for accessing difficult sites.



Terracon maintains a fleet of approximately 80 drill rigs that can be mobilized from many locations throughout the United States. All drilling supervisors and drill crew members are trained in drill rig operation, safe operating procedures, and basic first aid. Drill crew members who participate in hazardous waste site operations projects are also trained in accordance with the OSHA Hazardous Waste Site Operations and Emergency Response standard (OSHA 29 CFR 1910.120) which requires an initial 40-hour safety training course and annual safety refresher training. Baseline and annual medical surveillance examinations are also required for such personnel.

Drill rigs mounted on trucks and all-terrain vehicles are available to perform subsurface exploration borings and sampling. Terracon offers many methods of subsurface sampling and data acquisition to meet client needs. Our services include many types of specialized field testing, including pressuremeter, borehole shear, and packer testing.

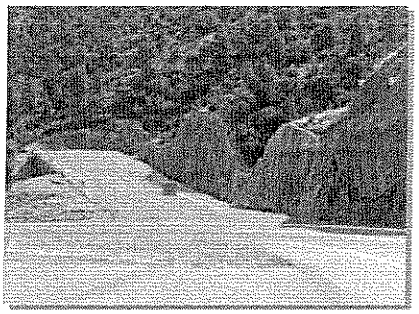
Terracon recently added experience and coverage to its drilling fleet through the acquisition of two drilling companies. AquaDrill, Inc., a drilling service provider in Swisher, Iowa, specializes in subsurface environmental soil sampling and monitoring well installation. The company also performs specialty geotechnical drilling, a variety of environmental drilling services, and water well construction.

High Plains Drilling joined Terracon in September 2008. Located in Denver, High Plains Drilling has provided drilling services in Colorado for more than 11 years. They specialize in solid stem auger/hollow stem auger drilling, fluid rotary drilling (mud and air), and hard and soft rock coring. Soil sample collection includes the use of split spoon samplers, California samplers, Shelby tubes, and CME continuous samplers.

Environmental Capabilities

Terracon provides a full range of environmental drilling capabilities, including sampling of contaminated soils and installation of monitoring wells. Terracon personnel are trained for, and are prepared to provide, drilling services on sites containing chemical contamination. Installation of wells and piezometers and sampling for analytical testing are performed routinely at less stringent safety levels D and C with capability to upgrade to more stringent levels B and A if necessary.

Geotechnical Services
Pavements and Slabs



Terracon's experience in design, construction, and evaluation of pavement and slab systems allows us to help our clients with pavement challenges.

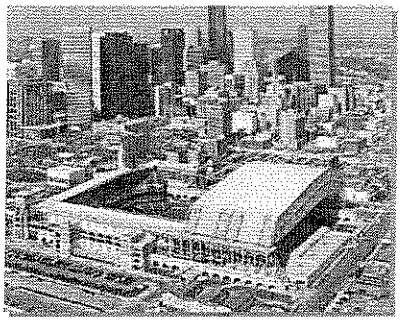
Pavement Design
Design of pavements requires knowledge of traffic conditions, environmental conditions, subgrade properties, and pavement types, as well as design life criteria. Terracon's design experience includes drives and parking areas, streets and highways, aviation taxiways, aprons and runways, and commercial and industrial slabs-on-grade.

Subgrade Evaluation
Subgrade properties are fundamental to the design of pavement and slab sections. Evaluation of subgrade can include soil explorations, mechanical properties testing, presence of chemicals destructive to pavement elements, groundwater conditions, and the potential benefit of chemical stabilization or geotextile reinforcement.

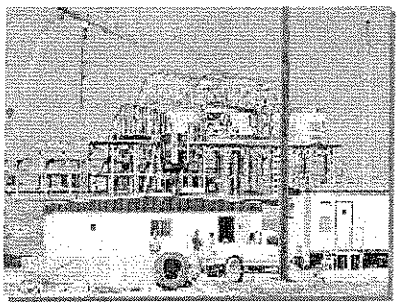
Material Evaluation
Paving surfaces may consist of concrete or asphalt. Mixes are developed to incorporate local aggregate materials. Aggregates are evaluated for soundness and durability. Soils and base materials are evaluated for potential benefit of stabilization. The potential for recycling in-situ pavements can also be evaluated.

Evaluation of Existing Surfaces
Pavement maintenance and rehabilitation programs are important elements in maximizing the life and serviceability of pavements. Terracon's evaluation services include tests on samples of the existing pavement elements and nondestructive methods. Evaluation and recommendations can be provided for pavement rehabilitation, overlays, and recycling.

Construction Materials Services



Terracon provided comprehensive construction materials testing and observation services for the Ballpark at Union Station, a state of-the-art stadium and the home of the Houston Astros.



Proper selection, quality and workmanship of construction materials play a vital role in ensuring that today's buildings and infrastructure perform adequately during long time periods. We work with clients to minimize material replacements, reduce the likelihood of deterioration, avoid potential failures, and investigate and evaluate construction materials related problems and failures when they do occur.

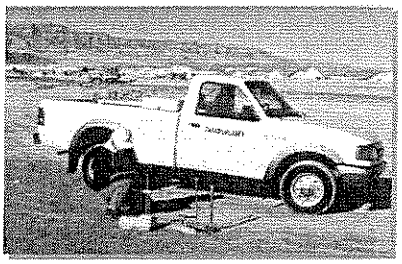
Local knowledge and resources, combined with the technical support available from our national network of offices, enable Terracon to respond quickly to ever-changing construction needs and schedules. We respond with innovative solutions and alternatives that target your long-term performance objectives while considering cost consequences. Our services are delivered on a timely basis with consistently high value and attention to client needs.

Our construction materials services include:

- On-site observation and monitoring
- Construction quality control and quality assurance programs
- Field and laboratory testing and analysis
- Design and review of concrete, grout, and asphaltic concrete mixes
- Structural steel nondestructive testing
- Consulting for construction material selection, compatibility, and acceptability
- Forensic investigation and evaluation of in-place construction materials
- Pavement materials engineering and construction management

Construction Materials Services

On-site Services



Terracon conducts field tests during construction, such as testing the compaction of in-place structural fill using a nuclear density gauge. These tests give verification that the soils encountered match what was anticipated.

On-site testing and observation requires construction materials engineers and technicians who are experienced and certified. Terracon personnel are trained in the areas of ASTM requirements, equipment usage, and health and safety issues. Onsite services typically fall into one or more of the following categories.

Soils

Common onsite soils tests and observations performed by Terracon take place during fill placement, excavation, and foundation installations. Specific tests are done for density and moisture content of compacted fill, material conformance with project specifications, stripping of organic matter, and confirmation of bearing depths and strata for foundation elements.

Concrete and Masonry

Initially, we can check concrete production at batch plants to verify quality and quantity of the mix components. At the site, concrete placement operations are observed for proper placing techniques, including direct discharge from the truck, buckets, or by pumping. Field tests such as slump, air content, and temperature are performed by experienced, certified technicians.

Condition evaluation of in-place concrete and masonry can be done to investigate problems with new construction. We provide both intrusive and nondestructive procedures that test the soundness of in-situ concrete and masonry.

Asphalt

Batch plants can be inspected for conformance to equipment specifications and ability to provide the specified design mix. Aggregate stockpiles are typically sampled and gradation tests are performed on raw materials or as part of the extraction analysis or binder ignition.

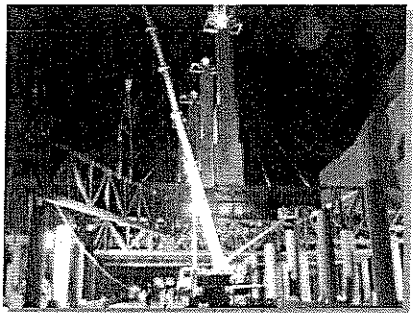
Fundamental to decisions regarding the necessity to replace or repair pavement layers is the evaluation of the in-place materials. Core samples can be taken to determine thickness and density of the asphalt concrete and base course materials, and to evaluate subgrade properties. Nondestructive nuclear density gauge tests can be performed rapidly for statistical analysis at numerous locations.

Aggregates

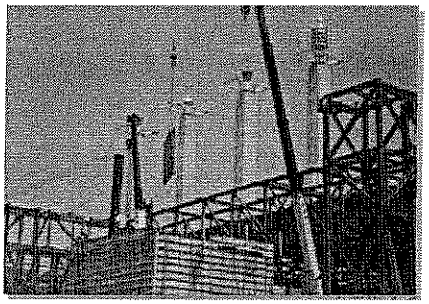
The availability of high-quality aggregates is important for the production of Portland cement concrete, asphaltic cement concrete, and for use as pavement base, structural backfill, and drainage filter material. Specific tests can be performed onsite to monitor conformance with project specifications. Additional monitoring in the field includes observation of placement and compaction procedures, lift thickness monitoring, stockpile sampling, and measurement of in-place densities.

Construction Materials Services

Structural Steel and Nondestructive Testing Services



Terracon provided structural steel observation, nondestructive testing, and specialty testing and observations during the Bartle Hall Ballroom expansion in Kansas City, Mo.



Testing and observation of structural steel is a specialized field that requires equipment and personnel trained in accepted operating procedures. Observation and testing can occur during or after the erection process for connections that are welded, bolted, or between precast elements and the structural frame.

Terracon steel professionals are trained according to the highest standards available in the steel industry. Personnel are certified by the American Welding Society (AWS), International Code Council (ICC), and American Society for Nondestructive Testing (ASNT). In-house compliance standards specify minimum requirements for certification and testing of Level I, II and III nondestructive testing personnel.

NDT services allow for testing of steel and welding without damaging or altering the performance of the material. Most NDT equipment is fully portable, enabling examination to be performed at the manufacturing facility or project site. Specific tests include magnetic particle, liquid penetrant, ultrasonic, visual inspection, and radiographic.

Fabrication Shop Observation and Testing

Structural steel components can be checked in the fabrication shop prior to delivery to the site for conformance to material specifications, dimensional accuracy, and fabrication/welding procedures.

Field Erection Observations Testing

Connections are typically tested during erection of bolted and welded steel frame structures and connection of precise concrete members. Bolted connections are tested and monitored for conformance with applicable AISC standards and specifications. Weld quality is checked by visual observation and nondestructive methods, including liquid penetrant, magnetic particle, and ultrasonic techniques. Materials and procedures used during welding and bolting of connections can be observed for specification compliance.

Procedure and Welder Qualifications

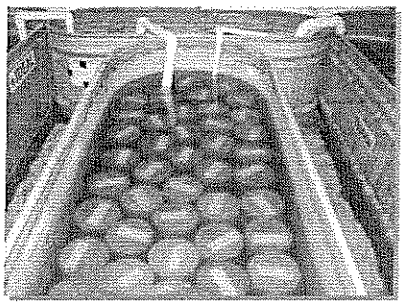
Terracon conducts procedure and welder qualifications tests and evaluates the test welds.

Special Inspections

Special Inspection services are often required by governmental agencies during the fabrication and/or erection of structural steel members. Terracon steel professionals can serve as a qualified, neutral third-party to perform tests and observations to determine compliance with project specifications.

Construction Materials Services

Laboratory Services



Virtually all of Terracon's more than 95 offices have construction materials laboratories. These laboratories have state-of-the-art equipment for testing soils, concrete, masonry, asphalt, and aggregates. Each office follows strict Terracon quality assurance guidelines for equipment usage and calibration.

Soils

Laboratory tests are performed to define soil properties and identify those soils that do not conform to project specifications. For moisture content, strength, and stability, the early identification of issues helps avoid future problems and allows for the correction of problems during construction. Tests include laboratory compaction characteristics of soil, plasticity index, gradation, organic content, classification, swell pressure unconfined compressive strength, and corrosion index.

Concrete and Masonry

New criteria for concrete and masonry construction are evolving on a continual basis. We can design mixes for concrete, mortar, and grout to satisfy the project specifications. Compression and flexural tests are typically performed on hardened concrete cylinders and beams, mortar and grout cubes, and block and brick units. Drying shrinkage of Portland cement concrete mixes, chloride ion content, rapid chloride ion permeability, freeze-thaw durability, and efflorescence tests can also be performed, sometimes in conjunction with casting strength specimens.

Asphalt

Modern construction practices involving asphalt require consideration of such factors as durability, adaptability to fast track construction, and proper performance under specialized applications. Asphalt concrete mixes can be designed using local materials that best fit roadway and airport needs. The optimum mix design is determined through Superpave, Marshall, or Hveem test methods, as well as laboratory testing of aggregate properties, extraction, and gradation.

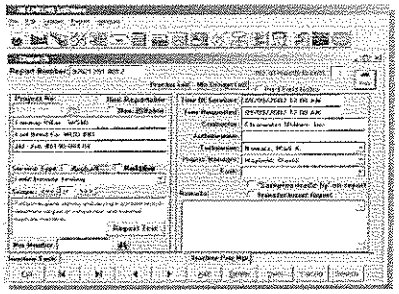
We are familiar with specifications from various agencies such as state and federal highway departments, ASTM, FAA, FHWA, AASHTO, and the U.S. Army Corps of Engineers. Many of Terracon's staff and laboratories are inspected by CCRL and AMRL, and then certified by AASHTO and the respective state departments of transportation.

Aggregates

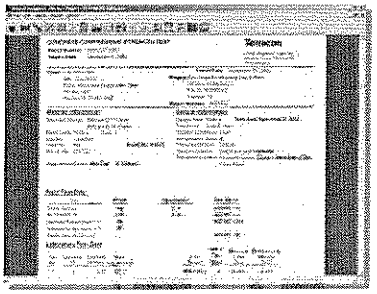
Aggregate quality is established and monitored by performing such laboratory tests as gradation analysis, specific gravity, absorption, soundness, freeze-thaw, abrasion, deleterious substances, and acid solubility.

Construction Materials Services

Information Management



Terracon has provided construction material testing and consulting services for more than 40 years. Using this experience, we developed a proven project approach and project system tailored to address the needs of this part of the construction management process.



Terracon believes that the recording and delivery of test and observation results is as important as the collection of the data via field and laboratory activities.

Terracon's Construction Materials Engineering Laboratory Management System (CMELMS™) automates the delivery of information and is focused on four major goals.

- Make all parties fully aware of our scope and role on the project so that none of the required materials testing services are overlooked or ignored.
- Establish an effective process for the rapid transfer of observation and material test results.
- Incorporate and maintain a tracking system for material performance, report distribution, and identification and clearance of non-conformance items.
- Communicate regularly with our client on test results and findings as well as budget and cost issues in order for the project to be both technically and financially successful.

Comprehensive Construction Materials Testing Plan

Terracon can meet with your project team prior to the start of the project and develop a comprehensive construction materials testing plan. This plan assures that all parties are aware of the lines of communication and highlights the overall testing requirements for the project. In addition, it allows the project team to define and discuss items that are of a specific critical nature so that special attention can be paid to prevent such items from impacting the schedule.

Automated System for Scheduling, Reporting, Distribution, Invoicing, and Budget Tracking

Once the project begins, Terracon utilizes our automated CMELMS software program. This allows us to achieve better communication, more consistency, and faster turnaround of reporting on the project. Data, observations, and other information are easily entered into the system and reports are generated. The program automatically tracks all reports and provides immediate availability of test results. Additionally, the statistical performance of all concrete mixes being utilized on a project can also be monitored.

The CMELMS software can produce electronic or paper copies of reports for distribution. Reports can be distributed via traditional mail, electronic mail, and/or Internet web pages can be established. The program will also track our project budget on a daily basis and produce real-time budget reports and invoices for services provided.

Terracon

2009 Schedule of Services and Fees
California

1. PERSONNEL

Senior Principal	$165.00	/hour
Principal	$155.00	/hour
Senior Project Manager	$145.00	/hour
Project Manager	$135.00	/hour
Project Engineer/Geologist (Project Profession IV)	$125.00	/hour
Senior Engineer/Geologist (Project Profession III)	$115.00	/hour
Senior Staff Engineer/Geologist (Project Profession II)	$ 95.00	/hour
Staff Engineer/Geologist (Project Profession I)	$ 85.00	/hour
Technician IV	$ 93.00	/hour [1,2]
Technician III	$ 83.00	/ hour [1,2]
Technician II	$ 68.00	/ hour [1,2]
Technician I	$ 56.00	/ hour [1,2]
Special Inspector-Concrete, Masonry, Steel, Fire Proofing	$ 68.00	/ hour [1,2]
Special Inspector-CWI Welding, NDT	$ 85.00	/ hour [1,2]
Administration	$ 67.00	/hour
Word Processor	$ 56.00	/hour
Drafts Person	$ 56.00	/hour
Clerical/Administrative Staff	$ 46.00	/hour

1- Increase hourly rate by 1.5 for weekend, night and holiday work.
2- Prevailing wage projects will include an increase of $25.00 per hour.

NOTE: Deposition or court testimony at 1.5 times regular rate, with a minimum of $160.00 per hour with payment due at the time of service.

2. EXPENSES AND SUPPLIES

Vehicle Charge (mileage)	$ 0.60	/mile
Per Diem	$105.00	/day
Photo Ionization Device (PID)	$100.00	/ day
Miscellaneous Charges (equipment, materials, etc.)	COST	+20%

3. GEOTECHNICAL LABORATORY TESTING

Visual-Manual Engineering Classification	$ 10.00	/test
In-situ Moisture and Density	$ 15.00	/test[3]
In-situ Moisture	$ 5.00	/test
Specific Gravity	$ 80.00	/test
Atterberg limits (liquid and plastic limits) ASTM	$ 80.00	/test
Atterberg limits (liquid and plastic limits) COE	$105.00	/test
Shrinkage Limit	$ 60.00	/test
Sieve Analysis (Fine Sieve + wash)	$ 80.00	/test
Sieve and Hydrometer Analysis	$100.00	/test
# 200 Wash	$ 40.00	/test
Hydrometer Only	$ 60.00	/test
Organic Content	$ 65.00	/test
Sand Equivalent	$ 75.00	/test
Maximum Density (Standard 4-inch)	$135.00	/test
Maximum Density (Modified 4-inch)	$135.00	/test
Maximum Density (Standard 6-inch)	$145.00	/test
Maximum Density (Modified 6-inch)	$145.00	/test
Maximum Density (CA 216)	$155.00	/test
Direct Shear (in-situ)	$220.00	/ test[3]
Direct Shear (remolded)	$250.00	/ test
Unconfined Compression	$100.00	/ test[3]
Triaxial	On request	/ test[3]
Consolidation	$165.00	/ test[3]
Swell test	$ 80.00	/ test[3]
Collapse Potential	$ 80.00	/ test[3]
Expansion Index	$110.00	/test
Permeability	$150.00	/test

pH and Resistivity	$ 40.00	/test
Chloride	$ 35.00	/test
Soluble Sulfate	$ 60.00	/test
R-Value	$260.00	/test

3- Increase rate by $30 per test if sample is Shelby tube.

4. CMET LABORATORY TESTING

Aggregates

Sieve Analysis (ASTM C136 & C117)		
a. Coarse Aggregate Above No. 4	$ 70.00	/test
b. Fine Aggregate No. 4 through No. 200	$ 70.00	/test
c. Coarse & Fine Aggregates through No. 200	$ 90.00	/test
d. Large Pit-Run Samples (+3 in.), per hour	$ 85.00	/test
Specific Gravity (ASTM C127 or C128)	$ 85.00	/test
Unit Weight (ASTM C29)	$ 65.00	/test
Los Angeles Abrasion (ASTM C131 or C535)	$ 155.00	/test
Sodium or Magnesium Sulfate Soundness (ASTM C88) Coarse or Fine; 5 cycles	$ 275.00	/test
Organic Impurities (ASTM C40)	$ 60.00	/test
Clay Lumps and Friable Particles (ASTM C142)	$ 80.00	/test
Flat and Elongates Coarse Aggregate (ASTM D4791)	$ 110.00	/test
Lightweight Particles Coarse or Fine (ASTM C123)	$ 110.00	/test
Durability Index (ASTM D3744)	$ 150.00	/test

Portland Cement Concrete and Masonry

Compressive Strength Test		
a. Cylinder (ASTM C39) each	$ 19.00	/ test
b. Cylinder (ASTM C39) set of 3	$ 57.00	/ test
c. Cylinder (ASTM C39) set of 4	$ 75.00	/ test
d. 2 x 2 Cubes (ASTM C109) each	$ 19.00	/ test
e. 2 x 4 Mortar Cylinders (ASTM C39) each	$ 19.00	/ test
f. Grout Prism (ASTM C1019	$ 19.00	/ test
g. Concrete Core (ASTM C42)	$ 40.00	/test
h. Flexural Beam (ASTM C78)	$ 85.00	/test
i. Grouted Masonry Prism (ASTM C1314)	$ 125.00	/test
j. Masonry Block Conformance (ASTM C90)	$ 495.00	/test
Provide 6 x 12 Cylinder Molds, each	$ 3.00	/test
Concrete Mix Design, Trial Mix 1 Cement Content (incl. agg. sieve & specific gravity & compressive strength cylinder)	$ 550.00	/test
Concrete Mix Design, Trial Mix 3 Cement Contents (incl. agg. sieve & specific gravity & compressive strength cylinder)	$1,600.00	/ test
Concrete Mix Proportion Analysis First Mix	$ 110.00	/ test
Concrete Mix Proportion Analysis (Add mix submitted at time of first mix)	$ 60.00	/ test
Net Area, Absorption, Specific Gravity & Moisture Content of Masonry Block (ASTM C140) set of 3	$ 175.00	/ test
Ignition Oven Calibration	$ 450.00	/ test

Steel and Fireproofing

Bolt-Nut-Washer Conformance Testing (ASTM F606)	$ 110.00	/ test
Bolt-Nut-Washer Hardness Only (ASTM F606)	$ 80.00	/ test
Reinforcing Steel, Tensile Test, < No. 8 bar (ASTM A370)	$ 50.00	/ test
Reinforcing Steel, Tensile Test, No. 11 to 18 bar (ASTM A370)	$ 80.00	/ test
Reinforcing Steel, Bend Test, < No. 11 bar (ASTM A370)	$ 80.00	/ test
Fireproofing- Density Test (ASTM E605)	$ 65.00	/ test

Asphaltic Concrete

Asphalt Content by Ignition Oven Method w/Calibration (ASTM D6307)	$ 160.00	/ test
Ignition and Gradation (ASTM D6307, D5444)	$ 250.00	/ test

Marshall Test (3 specimens) Inc. stability, flow, voids and unit weight (ASTM D6927 & D2726)	$ 250.00	/ test
Bulk Specific Gravity & Thickness asphaltic concrete cores (ASTM D2726)	$ 65.00	/ test
Asphaltic Concrete Mix Design, Marshall Method	$2,100.00	/ test
Theoretical Maximum Specific Gravity (ASTM D2041)	$ 105.00	/ test
Effect of Moisture Induced Damage (AASHTO T283)	$ 560.00	/ test

Per test

3- Increase rate by $30 per test if sample is Shelby tube.

TURN AROUND TIME (TAT)

Turn around time (TAT) is defined as the time elapsing from validated time of sample receipt to the issuance of the test results or report (by fax, mail, or courier). Rush turn around time is available upon approval with the following surcharges:

Next Day	Add 50% (Not available for all tests)
2-Days	Add 25% (Not available for all tests)
3 to 5 Days	Add 15% (Not Available for all tests)

Standard turn around time is 5 working days for most tests, 10 to 15 days for consolidation, collapse potential, and swell testing depends on soil type.

Turn around time for samples received after 3:00 pm will begin on the next business day.
Turn around time for samples received on Saturday will begin on the next business day.
Turn around time is subject to change base on the current workload.
RUSH TAT requests must be approved by the laboratory prior to sample receipt.

ZEISER KLING Consultants, Inc.

April 2, 2009

Mr. Lee Torrres
City of Culver City
9770 Culver Blvd.
Culver City, CA 90232

Subject: Zeiser Kling Consultants' Statement of Qualifications (SOQ)

Dear Mr. Torres:

I am pleased to present you with our statement of qualifications and experience summary package that presents information on Zeiser Kling Consultants and our firm's capabilities. We look forward to the opportunity of working with you and your staff.

Zeiser Kling Consultants, Inc. is a full-service consulting firm in the fields of geology and geotechnical engineering. We have been providing geotechnical consulting services of the highest quality for over twenty years. As a result of this commitment, we have developed the reputation for being "the trusted name" for our integrity, team workmanship and innovative solutions. In addition to our private clients, we also provide services to various public entities including a variety of special district, city, county and state agencies.

Typical projects in which our firm has been engaged include:

- Geotechnical investigations and review of design plans for large planned communities as well as individual residential, commercial, and industrial developments.
- Geotechnical investigations and review of design plans for public works projects including major highways, bridges, reservoirs, landfills, and backbone utility systems for private and public agencies.
- Geotechnical input for Planning documents such as Seismic Safety Elements, EIR/EIS reports, Specific and General Plans.
- Regional coastal erosion studies.

- Field inspection, observation, testing, and quality control of grading operations and fill compaction on private development and public works projects in hillside and level terrain.
- Soil and Construction Materials testing.
- Second party review of major development projects prior to acquisition for developers.
- Risk assessment reviews for insurance entities.
- Third party review of technical reports for public agencies.
- Expert witness and forensic consulting services to establish geotechnical causes of distress in engineered structures.
- Level I Preliminary Site Assessments.

Attached to this letter you will find our company brochure, SOQ, and selected lists of firm and staff experience, client references and various project experience summaries. Zeiser Kling Consultants appreciates the opportunity to provide you with this information. I would be happy to answer any questions or provide additional information you require concerning our firm's capabilities. Please do not hesitate to call me at (714) 755-1355. It is my hope that we will have the opportunity to demonstrate these capabilities while being of service to you or teaming with you in the future.

Sincerely,

ZEISER KLING CONSULTANTS, INC.

Henry F. Kling
President/Chief Executive Officer

Enclosures

Zeiser Kling Consultants, Inc. (ZKCI) is a full-service consulting firm in the fields of geotechnical engineering and geology. From its inception in 1986, ZKCI has been committed to providing consulting services of the highest quality. We have earned a reputation for being the "trusted name" in geotechnical consulting thanks to our commitment to integrity, teamwork, innovative solutions, and timely, cost-effective professional services.

ZKCI is headquartered in Santa Ana, California and maintains a second office location in Riverside, California. Our firm has worked throughout California, and members of our staff have experience in other states and internationally. This wealth of experience enables us to draw from diverse technical backgrounds when providing practical and sound geotechnical expertise. The bulk of our workload comes from client referral and repeat business based of our qualifications , experience, and cost effectiveness.

FIRM RESOURCES

The primary resources of a consulting firm are the individual professional and technical people employed by the firm collectively referred to as the "technical staff." ZKCI is proud of our dedicated staff members who share our vision of being the "trusted name" in geotechnical consulting. Our staff includes licensed professional engineers and geologists. ZKCI has nearly 40 full-time personnel.

As a technical service company, our technical staff is encouraged to participate in technical training seminars made available from ASCE, AEG, and other organizations to maintain their technical acuity and their familiarity with the latest technology. Each technical staff member is networked to our intranet, which allows easy access to our company data base as well as many other technical resources, both in-house and online.

SERVICES

ZKCI's professional staff consists of Registered Geotechnical Engineers, Registered Civil Engineers, Professional Geologists, and Certified Engineering Geologists. This blend of professionals is capable of addressing any of your geotechnical engineering, testing, or third-party review needs.

ZKCI offers geotechnical engineering services to a broad spectrum of clientele. Our capabilities include conducting fieldwork, laboratory work, and engineering analyses for a project entirely with in-house staff and equipment. At ZKCI, we approach every project with the goal of providing technically sound, economically feasible solutions while at the same time developing innovative solutions to difficult technical problems. The experience of our individual professional staff members and our company as a whole enables us to offer expertise in the following areas:

- Residential
- Retaining Systems
- Seismic Assessments
- Seismic Analysis
- Construction Testing/Observation
- Liquefaction Evaluation
- Concrete Testing
- Distress Investigation
- High-Rise/Deep Foundations
- Earthquake Engineering
- Slope Stability Analysis
- Mass Grading Design
- Hillside Grading
- Pavement Design
- 2nd & 3rd Party Reviews
- Field Testing (Concrete/Soils/Asphalt)

OFFICE LOCATIONS

ORANGE COUNTY
1221 E. Dyer Road
Suite 105
Santa Ana, CA
92705
[714] 755-1355

GEOTECHNICAL ENGINEERING CAPABILITIES

- Foundation Engineering
- Expert Witness Testimony
- Settlement Analysis
- Subdivision Design
- Seismic Assessments
- Earthquake Engineering
- Seismic Analysis
- Slope Stability Analysis
- Mass Grading Design
- Planned Community Design
- Construction Testing/Observation
- Hillside Grading
- Liquefaction Evaluation
- Pavement Design
- Rippability/Excavatability
- Pile Foundation Design
- Concrete Testing
- Asphalt Testing
- 2nd & 3rd Party Review
- Soil Testing
- Distress Investigation
- Landslide Stability Analysis

GEOLOGIC CAPABILITIES

ZKCI maintains a technically strong team of experienced geologists, the majority of whom are certified professional geologists and engineering geologists. These professionals are capable of providing site reconnaissance, supervising drilling/trenching operations while logging geologic profiles, performing literature research, and reviewing aerial photography, as needed, to generate a technically sound data base for subsequent geologic and/or engineering decision making. Our staff offers in-depth expertise in:

- Geologic Hazard Assessments
- Distress Evaluation
- Site Reconnaissance
- Debris/Mud Flow Potential
- Slope Stability Evaluation
- Rippability Studies
- Geologic Mapping
- 2nd & 3rd Party Reviews
- Construction & Grading
- Fault Activity Investigation
- Landslide Investigation
- Ground Water & Seepage Evaluation
- Subsurface Exploration
- Preliminary Investigation
- Geophysical Surveys
- Air Photo Interpretation

THIRD PARTY GEOTECHNICAL REVIEWS

One of ZKCI's key services is providing geotechnical reviews to a wide spectrum of clients. Over the years, we have become the "trusted name" in helping our clients quantify the relative levels of geotechnical risk of a project prior to construction. A typical assessment consists of a review of geotechnical reports for the project, a review of background geotechnical information on a regional basis, and discussions with the geotechnical consultant or a site visit, if necessary.

When requested, our risk assessment services are also extended through the construction phase to document the approach that a consultant of record takes during construction to evaluate issues as they arise and to continue to assess the evolving relative level of geotechnical risk of a project during construction.

FORENSIC ENGINEERING

Our staff is capable of providing forensic engineering assessments, consultation, and litigation support services on geotechnical systems. ZKCI utilizes in-house field investigation and laboratory testing facilities to develop reliable and defensible findings.

Our state-of-the-art modeling and presentation capabilities facilitate clear, concise, and understandable presentation of the facts.

- Expert Witness Testimony
- 3rd Party Independent Mediation
- Engineering Geology
- Environmental Assessments
- Distress Evaluation
- Geophysical Studies
- Geotechnical Engineering
- Insurance Claim Evaluations
- Materials Testing & Inspection

MARKETS

Our past accomplishments have earned us a reputation for assisting both public- and private-sector clients in achieving an acceptable balance between progress, the earth's limited resources, and the environment. ZKCI has a well-deserved excellent reputation among our peers and our clients in each of the markets we serve:

LAND DEVELOPMENT

- Commercial, industrial, retail, and mixed use
- Residential
- In-fill and redevelopment
- High-rise residential and commercial
- Resort development

PUBLIC AGENCIES

- Municipal agencies and departments
- Water & wastewater facilities
- Transportation: corridors, rail, road construction, bridges
- Institutional facilities: schools, hospitals, military base projects

FORENSICS

- Law firms
- Insurance carriers & adjusters
- Independent investigative services

CLIENTS

ZKCI is pleased to provide geologic and geotechnical services to a wide variety of companies in many diverse fields, including:

- Municipal agencies
- Architects
- Civil engineers
- Multi-tenant developers
- Retail developers
- Design build
- School districts
- Landscape architects
- Golf Course Architects/Developers
- Residential developers
- High-rise developers
- Property management firms
- Legal firms
- Land planners
- Commercial developers
- Environmental firms
- Insurance companies

ZEISER KLING Consultants, Inc.

"A"

SCHEDULE OF FEES
2008/2009

Professional Service Fees:

Executive Principal Engineer or Geologist	$175.00/hr.
Principal Engineer or Geologist	$165.00/hr.
Associate Engineer or Geologist	$150.00/hr.
Senior Project Engineer or Geologist	$135.00/hr.
Project Engineer or Geologist	$125.00/hr.
Senior Engineer or Geologist	$115.00/hr.
Senior Staff Engineer or Geologist	$100.00/hr.
Staff Engineer or Geologist	$88.00/hr.
*Supervisory Engineering Technician	$105.00/hr.
*Senior Engineering Technician	$95.00/hr.
*Engineering Technician	$82.00/hr.
*Technician Assistant	$65.00/hr.
*Special Inspection	$55.00/hr.
CADD Technician	$85.00/hr.
Word Processing	$58.00/hr.
Administrative Support	$50.00/hr.

* Does not include projects subject to prevailing wage. Prevailing wage rates will be determined on a project by project basis.

Litigation Fees:

Expert witness testimony is charged at $325.00/Hr.

Other Expenses:

(a) Normal field equipment such as nuclear gauge, sand cone, compaction check point and sampling equipment are included in the hourly rates above.

(b) Digital Imaging handling, processing and storage fee charged at $20.00 for first 50 images and $20.00 for each 50 images thereafter. Digital image reproduction charged at $2.00 per page for plain paper and cost plus 20 percent for photo quality color images.

(c) In-house reproduction expenses are charged at $0.25 per sheet.

(d) Gas/Oxygen Meter is charged at $80.00/day.

(e) Inclinometer and asphalt/concrete coring equipment is charged at $80.00/ day. Asphalt/Concrete cores will also be subject to a $2.00 per core charge for cores up to 12 inches in length.

(f) Laboratory samples will be held for 30 days from date of report. A storage fee will be assessed if longer storage is requested by the client in writing.

(g) Special Inspection, including Deputy Inspection of concrete, welding, structural steel, roofing, fire proofing, etc. are charged at a 4 hour minimum. All observations based on a minimum of 4 hours and over 4 hours - 8 hour minimum.

Outside Expenses:

Outside services performed by others and direct costs incurred on the Client's behalf are invoiced at cost plus 15 percent. These expenses include rental of heavy equipment (i.e., drill rigs, bulldozers, backhoes, cranes, etc.), travel and subsistence, permits, photographs, reproduction costs, expendable items, etc.

Other Charges:

The minimum charge for field inspection will be two hours. Overtime for technical and clerical staff will be charged at 1.3 times the hourly rate for work in excess of 8 hours on weekdays, work before 7 a.m. or after 5 p.m., and all Saturdays. Work performed on Sundays and holidays will be charged at 1.5 times the hourly rate.

Travel Time:

Travel time required to provide professional or technical services will be charged at the appropriate rates.

Terms of Payment:

Invoices rendered for professional services are due upon presentation. A service charge of 0.5 percent per month may be charged on accounts not paid within 30 days to cover additional processing and carrying costs. In the event Client fails to pay any invoice to Zeiser Kling Consultants, Inc. when due, ZKCI may immediately cease work hereunder until said payment, together with a service charge at the rate of six percent (6%) per annum (but not exceeding the maximum allowed by law) from the due date, has been received. Further, ZKCI may at its sole option and discretion refuse to perform any further work irrespective of payment from Client in the event Client fails to pay ZKCI for services rendered when said payments are due. Any attorney's fees or other costs incurred in collecting any delinquent account will be paid by the Client.

Prepayments:

A retainer of 50 percent of the total fee is required for projects with a total of $2,500.00 or less. The balance of the fee must be paid at the time the report is released to the Client.

For all field studies, 30 percent of the authorized fee will be invoiced immediately upon authorization to cover mobilization and heavy equipment costs.

Invoices:

Invoices will be provided periodically and will be formatted according to the fee categories set forth above.

Professional Limitations:

We intend to perform our services within industry standards; however, the total liability of Zeiser Kling Consultants, Inc., its officers, agents, employees, or successors to the client, arising out of or in connection with services provided, shall not exceed the invoiced amount for the services provided. This limit of Liability shall supersede all clauses to the contrary, implied or otherwise, in any client purchase order or contract, unless different terms are authorized in advance, in writing, by an officer of the company. This agreement shall not create any rights or benefits to parties other than the Client and the Consultant, except such other rights as may be specifically called for herein.

Client and Zeiser Kling Consultants, Inc. agree to allocate certain of the risks so that, to the fullest extent permitted by law, Zeiser Kling Consultants, Inc.'s total liability to Client is limited to $50,000.00 or Zeiser Kling Consultants, Inc.'s fee, whichever is greater, for any and all injuries, damages, claims, losses, expenses, or claim expenses (including attorney's fees) arising out of this Agreement from any cause or causes. Such causes included, but are not limited to, Zeiser Kling Consultants, Inc.'s negligence, errors, omissions, strict liability, breach of contract, or breach of warranty. Client understands that dollar limits higher than that indicated above are available. If client wishes to discuss these other limits and their impact on Zeiser Kling Consultants, Inc.'s fee, client should contact Zeiser Kling Consultants, Inc.