

MEETING DATE 05/22/06

AGENDA ITEM Consideration to Approve a Budget Amendment and a Professional Services Agreement with Geo-Environmental, Inc for the final design of slope repairs at the rear of the properties located at 10745 10747 and 10751 Cranks Road and 5722 and 5724 Tellefson Road

ATTACHMENTS

Pages

1 Proposal from Geo-Environmental Inc

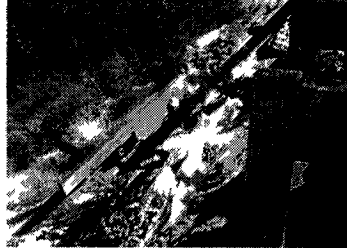
1 - 39

PROPOSAL TO PROVIDE
Final Design of Cranks / Tellefson Road Slope Repair
Culver City Project No P-867

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Landslide Repairs at Highland View City of Corona
California



Landslide Repairs at Eight Locations City of
La Canada Flintridge California



Bishop Montgomery Slope Failure City of Torrance
California



Wastewater Treatment Plant
City of Corona

Prepared for

Mr John Rivera
Senior Management Analyst
Culver City
Public Works Department
9770 Culver Boulevard 2nd Floor
Culver City, CA 90232 0507

May 8 2006

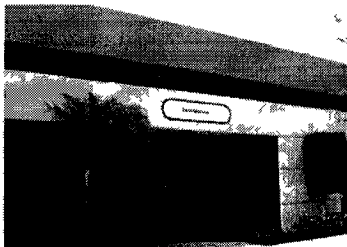
GEI Proposal No 06 062



Groundwater Replenishment Systems
Unit III Pipeline
Orange County Water District



Slope Stability Evaluation Shorecliff Golf Course San
Clemente California



Caltrans Certified Soil Testing Laboratory



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



.....
GEO ENVIRONMENTAL INC

Caltrans Certified
DBE Firm

1720 E Garry Avenue Suite 215 Santa Ana CA 92705 (949) 263 8334 (949) 263 8338 fax
Email geincorp@aol.com Website www.geo-environmental.com



GEO-ENVIRONMENTAL INC

Caltrans Certified
DBE Firm

May 8 2006

Mr John Rivera
Senior Management Analyst
Culver City Public Works Department
9770 Culver Boulevard 2nd Floor
Culver City CA 90232 0507

Subject **Proposal to Provide Final Design of
Cranks / Tellefson Road Slide Slope Repair**

City Project No **P 867**

GEI Proposal No **06 062**

Dear Mr Rivera

Geo Environmental Inc is pleased to submit this Proposal or Professional Engineering Services for the final design of Cranks / Tellefson Road Slide Slope Repair We are confident that you will find Geo Environmental Inc and our team of subconsultants well qualified for this project

Our contact information for this project is Farhat H Siddiqi Ph D P E
Principal Engineer
1720 E Garry Avenue Suite 215
Santa Ana CA 92705
Tel (949) 263 8334 extension 22
Fax (949) 263 8338

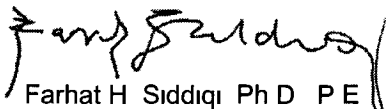
Geo Environmental Inc is headquartered in Santa Ana California We also operate branch offices in Riverside and San Diego California as well as Las Vegas Nevada Our Caltrans certified soils laboratory is located in Irvine California

Enclosed are completed Standard Form 330 material for our project team of Geo Environmental Inc Wheeler & Gray Inc and Cabrinha & Hearn Associates

Geo Environmental Inc has extensive recent experience with similar projects throughout Southern California We are committed to providing the City of Culver City with high quality responsive professional services Should you have any questions about our qualifications package please call me We look forward to hearing from you and providing the city our professional services

Sincerely

Geo Environmental Inc


Farhat H Siddiqi Ph D P E
Principal Engineer

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Cost Proposal	Attached as a Separate File

Cranks / Tellefson Road Slide Slope Repairs

Prime Consultant

Geo Environmental, Inc

1720 East Garry Avenue Suite 215

Santa Ana CA 92705

Tel (949) 263 8334

Fax (949) 263 8338

Email fsiddiqi@geo environmental com

Geo Environmental Inc is a California C Corporation

Subconsultants

Wheeler & Gray Consulting Engineers

650 Sierra Madre Villa Avenue Suite 300

Pasadena CA 91107

Tel (626) 432 5850

Fax (626) 432 5858

Email jkelly@wheelerandgray com

Wheeler & Gray is a California C Corporation

Cabrinha Hearn & Associates Land Surveyors

408 South Rosemead Boulevard

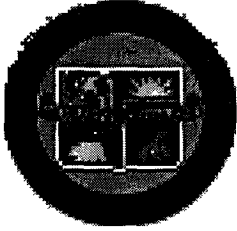
Pasadena CA 91107

Tel (626) 795 6926

Fax (626) 795 4180

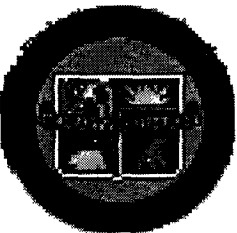
Email clyde@cabrinhahearn com

Cabrinha Hearn is a California C Corporation



CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT

**Proposal to Provide
Final Design of
Cranks / Tellefson Road Slope Repair
City Project No. P-867**



CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT

Other City Departments / Other Utility Owners



GEO-ENVIRONMENTAL, INC

**Caltrans Certified
DBE Firm**

Farhat H Siddiqi Ph D P E
Project Management / Geotechnical Investigation



**WHEELER & GRAY
CONSULTING ENGINEERS**

Mr John Kelly P E
Project / Civil Engineering

Mary Kinsler P E
Project / Civil Engineering

CAD Department



**CABRINHA HEARN
& ASSOCIATES**

Clyde Cabrinha L S
Land Surveying and Mapping

Cranks / Tellefson Road Slide Slope Repairs

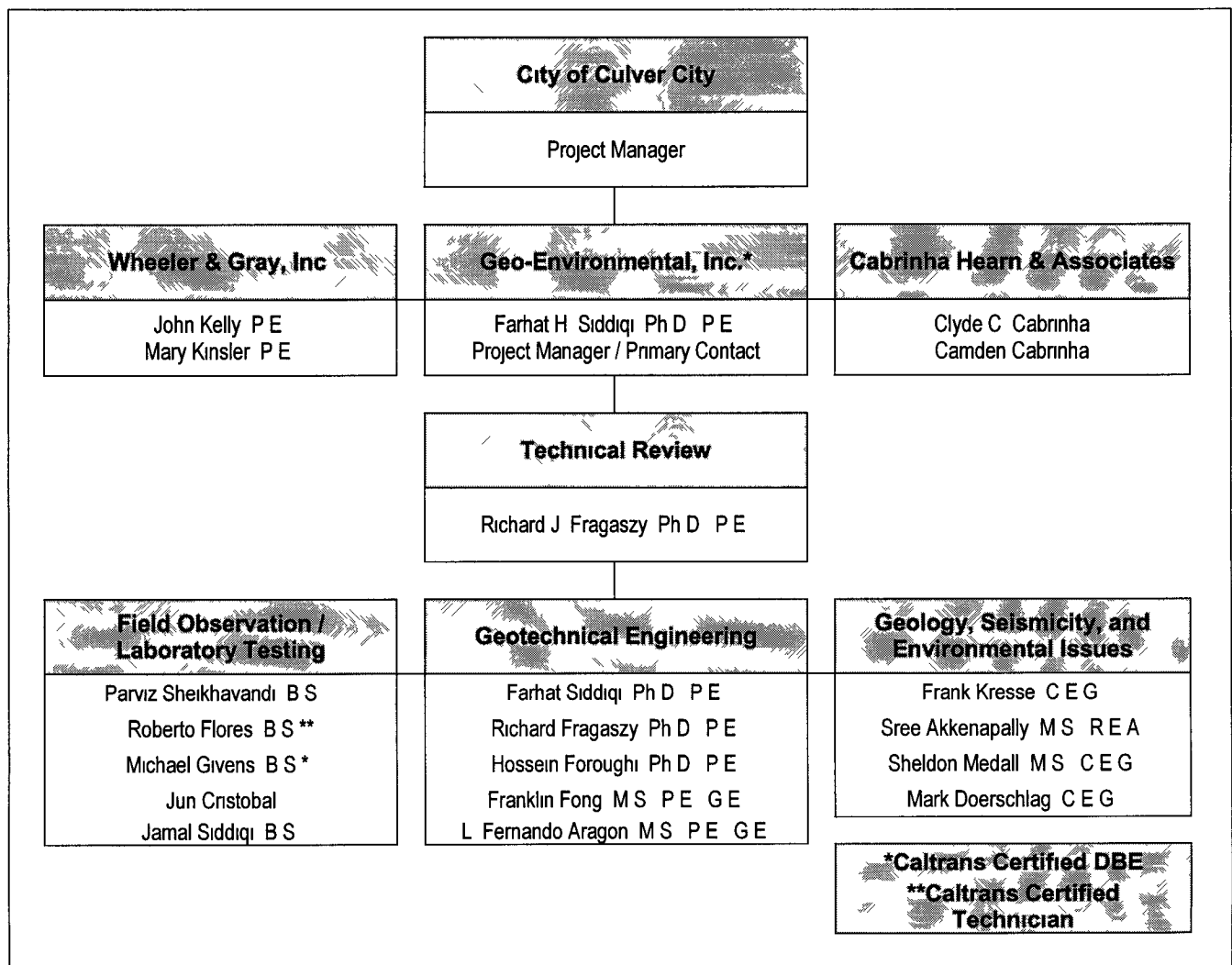
Organization Chart

We have assembled our project team of highly qualified professionals as shown in the Organization Chart below. Detailed resumes of proposed staff members have also been included as an attachment for your review.

TEAM ORGANIZATION CHART

City of Culver City

Final Design of Cranks / Tellefson Road
Slide Slope Repair
City Project No. P 867



Cranks / Tellefson Road Slide Slope Repairs**PROJECT GOALS**

This project will provide repairs to the slope damage caused by the recent storms during the winter of 2004 2005 to the previously repaired slopes following damage in the 1980s and 1990s. Geo Environmental, Inc. in coordination with its subconsultants Wheeler & Gray Inc. and Cabrinha Hearn & Associates will provide engineering and support services for the preparation of construction contract documents for public bidding for the projects.

The project site consists of a 30 to 75 foot slope between the City streets and residential lots located at 10743 through 10751 Cranks Road and 5722 and 5724 Tellefson Road. The majority of the proposed repair areas are owned by the private property owners. Based on the recommendations of the City's previous Geotechnical Engineers, the Construction project will involve the demolition of the remaining slope facing construction of a two tier Cantilever Soldier Pile retaining wall system, backfill of the Soldier Pile wall, reconstruction of slopes as geogrid reinforced slopes, construction of terrace drains, repairs of the existing undermined and damaged terrace drains as well as repair of any damage to the existing Soldier Pile wall panel. However, the validity of the choice of the provision of the two tier Cantilever Soldier Pile retaining wall system as the most cost effective and prudent method of slope repair will be independently verified by Geo Environmental Inc.

CRITICAL ISSUES

Critical issues for these projects are maintaining the construction budget within the available funds. According to the City's RFP, the project budget for the restoration and rehabilitation of the damaged slopes, inclusive of all costs of design, engineering, construction, permitting fees, supervision and management is estimated to be \$1.2 million. The project site lies both within the City limits as well as private properties requiring polite interaction with the property owners.

PRELIMINARY SCHEDULE

A preliminary schedule is attached at the end of this section.

ACCELERATION OF DESIGN AND CONSTRUCTION

Acceleration of the project schedule is best handled during design by determining construction methods and techniques, project phasing, and project combinations that will serve to eliminate duplication of tasks, down time for contractors, crews and equipment, and conflicts between critical path tasks during construction.

SCOPE OF SERVICES**Geotechnical Engineering**

Geotechnical engineering will be conducted by Geo Environmental Inc. This task will independently determine the cause or causes of failures with the purpose of designing repairs and restoration to eliminate, to the extent feasible, the possibility of a similar failure in the future. In this process, the recommendations made by the City's previous Geotechnical Engineer will either be validated or modified.

Environmental Documents

It is expected that this project will be categorically exempt under California Environmental Quality Act (CEQA) and categorically excluded under the National Environmental Protection Act (NEPA). Our fees in the Cost Proposal

portion of this proposal are based on this assumption

Engineering Survey

Topographic Survey will be performed by our subconsultant Cabrinha Hearn and Associates. Our subconsultant Wheeler and Gray will research the City's records and research the utilities in the area. As a part of the utility research, we will also ascertain if the utility purveyors have any future work that will impact construction.

Right of way Engineering and Acquisition Services

It is expected that no permanent new rights of way or easements will be necessary for the completion of this project. Our fees in the Cost Proposal portion of this proposal are based on this assumption. Permission for entry and temporary easements for construction are expected to be needed. Our subconsultant Wheeler & Gray will prepare mapping and legal descriptions and Geo Environmental Inc. will conduct communication with affected parties.

Preliminary Design

Our subconsultant Wheeler & Gray will prepare preliminary documentation to the extent necessary to prepare environmental documentation, construction cost estimates, and provide review material for the City on which to comment.

Final Design – Plans, Specifications and Cost Estimates

Final design will consist of completion of all documentation necessary to conduct a public bidding of the project including drawings, specifications, engineers' construction cost estimates, right of entry permissions, and environmental documents.

Geo Environmental Inc. will meet with the City of Culver City staff as required to review submittals and keep the City continually updated on the progress and the status of the plans and work.

Our subconsultant Wheeler & Gray will contact utility firms and transmit preliminary drawings early in the project to coordinate their anticipated work in the near future and to coordinate any potential conflicts.

Construction and Engineering Management

Geo Environmental Inc. will provide construction management and engineering services with the purpose to ensure adherence to the design intent and timely prosecution of the work.

Materials Testing and Inspection

Testing and inspection in the field will be conducted by Geo Environmental Inc. on an as needed basis in accordance with the estimate of cost included in this proposal.



**GEOTECHNICAL INVESTIGATION – SLOPE STABILITY EVALUATIONS
CRANKS / TELLEFSON ROAD SLIDE SLOPE REPAIR
CITY PROJECT NO P 867**

PURPOSE

GEI proposes to perform a soils investigation on the damaged slopes located at different locations to investigate the cause of slides and provide recommendations for their stabilizations. This investigation will include the collection of bulk and undisturbed soil samples from the site by drilling bucket auger borings, laboratory testing to determine pertinent geotechnical parameters, engineering analyses (slope stability evaluations) and preparation of a report presenting recommendations for slope stabilization. The soil investigation reports will also identify any clayey cushion, subsurface soil and bedrock conditions which may be detrimental to the rehabilitation of the slopes. Our scope of work is described in more detail below.

SCOPE OF WORK

The scope of our investigation to evaluate slope stability will consist of five tasks: (1) Background Data Review, (2) Field Investigation, (3) Laboratory Testing, (4) Data Analysis, and (5) Report Preparation. These tasks are briefly described below.

Task 1 Data Review Available geotechnical data regarding the subject site and surrounding areas will be reviewed to assess the expected soil conditions at the site. The data review will include review of published geologic maps, stereoscopic aerial photographs, and other information contained in our in-house files and City/County files.

Task 2 Field Investigation The field investigation will consist of advancing two (2) 24 inch diameter limited access bucket auger borings to an estimated depth of 30 feet below the ground surface. Based on our initial site visit, the heights of the slopes are estimated to be approximately between 30 to 75 feet. GEI will prepare benches on the slopes to accommodate limited access drill rig. The boreholes will be downhole logged for in situ soil and bedrock conditions by a Certified Engineering Geologist. During our downhole logging, we will note the orientation of the bedding planes and potential failure zones.

During drilling, we will collect bulk and relatively undisturbed drive samples of the subsurface soils. The drive samples will be collected at approximately 5 foot intervals with a modified California split tube sampler or a standard penetration sampler. Bulk samples will be collected from soil cuttings generated during drilling. The samples from the borings will be tested in the laboratory as described in Task 3.

Task 3 Laboratory Testing Samples collected during the proposed field investigation will be examined in the laboratory to confirm field classifications. Selected samples from the proposed borings will be tested to help evaluate engineering properties. The numbers and types of tests will depend upon the type of soils encountered. For a list of anticipated laboratory testing, please refer to Table 1, Fee Estimate.

Cranks / Tellefson Road Slide Slope Repairs

Task 4 Engineering Analyses Results from the field and laboratory data and GEI's experience will be the basis for the engineering analyses. GEI will provide engineering conclusions for the following:

- Type and extent of materials encountered
- Sliding zones and the potential for larger sliding in the near future
- Compaction characteristics of on site soils
- Presence of groundwater or seepage
- Suitability of onsite materials for use for slope rehabilitation
- Nature of bedrock and soil strength characteristics and
- Recommendations for slope stabilization

Task 5 Report Preparation GEI's conclusions, recommendations and supporting field and laboratory test results will be presented in an engineering report. A draft report will be submitted to you for review and comment. The final report will address and incorporate the review comments as appropriate.

The report will present drawings depicting construction details with sufficient information for the contractor to implement the most cost effective alternative for the slope repairs.

**MATERIAL TESTING AND INSPECTION SERVICES
CRANKS / TELLEFSON ROAD SLIDE SLOPE REPAIR
CITY PROJECT NO P 867**

PURPOSE

The City intends to restore and reconstruct portions of the slopes and roadways located at different locations in the City (10743 through 10751 Cranks Road and 5722 through 5724 Tellefson Road) The reconstruction program includes the removal of debris damaged sections and all disturbed soils The restoration of the slopes and roadways will include the construction of two tier cantilever soldier pile retaining wall which include some other pertinent small structures as curbs and gutters GEI will provide geotechnical observations and soil testing services during the reconstruction of the retaining wall and pertinent structures

SCOPE OF WORK

Task 1 Field Observations and Soils Testing

- 2 1 1 Evaluation of excavation GEI's Engineering technician shall inspect the bottom of excavations for the keys and benches to ensure that competent material has been exposed for the placement of the fill
- 2 1 2 Evaluation of earth material to be used as fill GEI's engineering technician will collect samples of the proposed fill material and take them to the soils laboratory Appropriate soil tests will be performed to determine whether the fill material is appropriate for use in the reconstruction of the slopes and for the new pavement sections
- 2 1 3 Evaluation of compaction procedures GEI's engineering technician shall evaluate the compaction procedure for the backfill of the slopes to ensure that the project specifications have been followed (Appropriate thickness of lift proper compaction method etc)
- 2 1 4 Testing of compaction, moisture content, etc GEI's engineering technician shall conduct compaction tests by Sand Cone Test Method (ASTM D1556) and Nuclear Method (ASTM D 2922 01) to determine the relative compaction of the fill material placed for the restoration of the slopes and roadways

During the progress of our work our field technician will prepare daily field reports A copy of these reports will be submitted to the Inspector from the City of Culver City on a daily basis The report will include a written summary of the day's activities a summary of all field testing performed 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 The Contractor will be asked not to place any backfill material that does not meet project specifications

Testing time and the associated fees can be minimized by proficient and timely work by the contractor and by coordination among project superintendent the City Inspector and GEI engineers and technicians When a larger number of tests are scheduled at one time greater efficiency can be achieved resulting in lower overall fees

Cranks / Tellefson Road Slide Slope Repairs

Task 2 Laboratory Testing The following tests shall be conducted in the soils laboratory to determine the engineering characteristics of the soils used for fill

- 1 *Soil Classification*

Grain Size Distribution (ASTM D422)	6 Tests
Atterberg Limits Tests (ASTM D4318 D84)	6 Tests

- 2 *Modified Proctor Tests to determine Max Dry Density & Optimum Moisture Content (Native and Imported Material)*

Modified Proctor (ASTM D1557 91 Methods A & B)	30 Tests
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- 3 *Modified Proctor Tests to determine Max Dry Density & Optimum Moisture Content (Aggregate Base)*

Modified Proctor (ASTM D1557 91 Method C)	3 Tests
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- 4 *Resistance Value (R Value) Tests for Soils and Aggregate Base* 2 Tests

Task 3 Technical Management GEI's Project Engineer will attend all construction meetings. Then, after consulting the Principal Engineer, he will provide guidance and recommendations to the field staff. The Senior Engineering Technician will implement all of the decisions made during the construction meetings. The field compaction procedures will be evaluated and recommendations made where appropriate.

Task 4 Report Preparation At the completion of our services, GEI will prepare a report which will summarize all of the work performed on the project. The report will include our observations during construction, results of our field and laboratory testing, and a conclusion as to the project's compliance with the contract plans and specifications. Three copies of the report will be provided.

Cranks / Tellefson Road Slide Slope Repairs

**CIVIL / STRUCTURAL ENGINEERING PERFORMED BY
WHEELER & GRAY CONSULTING ENGINEERS
CRANKS / TELLEFSON ROAD SLIDE SLOPE REPAIR
CITY PROJECT NO P 867**

Task 1 – Environmental Documents – It is expected that this project will be categorically exempt under California Environmental Quality Act (CEQA) and categorically excluded under the National Environmental Protection Act (NEPA) Our fees in the Cost Proposal portion of this proposal are based on this assumption Wheeler & Gray will prepare documentation for a Negative Declaration on a City provided form in the City format

Task 2 – Management of Engineering Survey – Wheeler & Gray will provide management of the topographic survey The topographic survey will be used as base mapping for the preparation of construction contract documents

Task 3 – Utility and Subsurface Facility Research – Wheeler & Gray will research the City's records and research the utilities in the area As a part of the utility research they will also ascertain if the utility purveyors have any future work that will impact construction

Task 4 – Right of way Engineering – It is expected that no permanent new rights of way or easements will be necessary for the completion of this project Our fees in the Cost Proposal portion of this proposal are based on this assumption Permission for entry and temporary easements for construction are expected to be needed Wheeler & Gray will prepared mapping and conduct communication with affected parties

Task 5 – Preliminary Design – Wheeler & Gray will prepare preliminary documentation to the extent necessary to prepare environmental documentation construction cost estimates and provide review material for the City on which to contract

Task 6 – Final Design – Wheeler & Gray will meet with the City of Culver City staff as required to review submittals and keep the City continually updated on the progress and the status of the plans and work

Task 7 – Construction Engineering and Management – Wheeler & Gray will provide construction management and engineering services with the purpose of ensuring adherence to design intent and timely prosecution of work

Task 8 – Preparation of Record Drawings and Documentation – Wheeler & Gray will prepare record drawings based on marked up record drawings kept on site by the contractor

MASTER DESIGN SCHEDULE

 GEO ENVIRONMENTAL INC Caltrans Certified DBE Firm			City of Culver City	Final Design of Cranks / Tellefson Road Slide Slope Repair
ID	TASK NAME	DURATION		
1	Notice to Proceed	1 day		
2	Geotechnical Engineering	15 days		
3	Environmental Documentation	30 days		
4	Engineering Survey	15 days		
5	Right of way Engineering and Acquisition Services	30 days		
6	Preliminary Design	15 days		
7	Final Design	15 days		
8	Construction Engineering and Management	30 days		

CONSTRUCTION ESTIMATE

We contacted the Contractors who worked on slope repair projects for the Cities of Corona and Torrance under supervision of Geo Environmental Inc including Moore & Taber of Anaheim For the currently suggested method of repairs as recommended by the City's previous geotechnical engineer the Construction Cost is estimated to be \$115 000 00

ARCHITECT – ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1 TITLE AND LOCATION (City and State)

Final Design of Cranks / Tellefson Road Slide Slope Repair Culver City California

2 PUBLIC NOTICE DATE

April 3 2006

3 SOLICITATION OR PROJECT NUMBER

City Project No P 867

B. ARCHITECT-ENGINEER POINT OF CONTACT

4 NAME AND TITLE

Farhat H Siddiqi Ph D P E – Principal Engineer

5 NAME OF FIRM

Geo Environmental Inc

6 TELEPHONE NUMBER

(949) 263 8334 X 22
(714) 206 0028 cell

7 FAX NUMBER

(949) 263 8338

8 E MAIL ADDRESS

fsiddiqi@geo_environmental.com
geincorp@aol.com

C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

(Check)		9 FIRM NAME	10 ADDRESS	11 ROLE IN CONTRACT
PRIME	J V Partner Subcontractor			
a	☒	Geo Environmental Inc ☐ CHECK IF BRANCH OFFICE	1720 E Garry Avenue Suite 215 Santa Ana CA 92705	Prime Contractor Project Administration & Management Geotechnical Exploration, Reporting and Testing
b	☒	Wheeler & Gray Consulting Engineers ☐ CHECK IF BRANCH OFFICE	650 Sierra Madre Villa Avenue Suite 300 Pasadena CA 91107	Civil Engineering Structural Engineering
c	☒	Cabrinha Hearn & Associates Land Surveyors ☐ CHECK IF BRANCH OFFICE	408 South Rosemead Blvd Pasadena CA 91107	Surveying
d	☐	☐ CHECK IF BRANCH OFFICE		
e	☐	☐ CHECK IF BRANCH OFFICE		
f	☐	☐ CHECK IF BRANCH OFFICE		
g	☐	☐ CHECK IF BRANCH OFFICE		

D. ORGANIZATINAL CHART OF PROPOSED TEAM

☒ (Attached)

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12 NAME FARHAT H SIDDIQI, PH D , P E	13 ROLE IN THIS CONTRACT Principal Engineer	14 YEARS EXPERIENCE <table border="1"> <tr> <td>a TOTAL</td> <td>b WITH CURRENT FIRM</td> </tr> <tr> <td>37</td> <td>12</td> </tr> </table>		a TOTAL	b WITH CURRENT FIRM	37	12
a TOTAL	b WITH CURRENT FIRM						
37	12						
15 FIRM NAME AND LOCATION (City and State) Geo Environmental, Inc , Santa Ana, California							
16 EDUCATION (DEGREE AND SPECIALIZATION) Ph D Geotechnical Engineering 1984 M S Geotechnical Engineering 1971 B S E Civil Engineering 1965 B Sc Physics & Math 1961		17 CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Civil Engineer California C25287 1975					
18 OTHER PROFESSIONAL QUALIFICATIONS (Publications Organizations Training Awards etc) American Society of Civil Engineers Earthquake Engineering Research Institute International Society of Soil Mechanics and Foundation Engineering Associate of State Dam Safety Officials National Center for Earthquake Engineering Research Various Publications							

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) 190TH STREET REHABILITATION PROJECT TORRANCE CALIFORNIA	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>2001</td> <td>2001</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2001	2001
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
2001	2001					
a (3) BRIEF DESCRIPTION (Brief scope size cost etc.) AND SPECIFIC ROLE Role Principal Engineer/Project Manager / Scope Independent Assurance Soils and Materials Testing The project was a federally funded project requiring the construction operations to meet the City of Torrance Federal and Caltrans specifications The City's Quality Assurance Program (QAP) was implemented during construction In this project we were assigned to perform the Independent Assurance Sampling and Testing (IAST) to verify the Accepting Testing (AT) performed by another geotechnical firm to ensure their conformance with Caltrans QAP requirements	☒ Check if project performed with current firm					
(1) TITLE AND LOCATION (City and State) 91 FREEWAY / MAIN STREET INTERCHANGE RAMP IMPROVEMENTS CORONA CALIFORNIA	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>2002</td> <td>2002</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2002	2002
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
2002	2002					
b (3) BRIEF DESCRIPTION (Brief scope size cost etc.) AND SPECIFIC ROLE Role Principal Engineer/Project Manager / Scope Construction Observation Batch Plant Inspection and Materials Testing - Project involved configuring the interchange to a diamond configuration eliminating the eastbound to northbound Main Street loop and signaling the intersection of the eastbound off ramp The main objectives were to improve and enhance the interchange at 91 Freeway and Main Street	☒ Check if project performed with current firm					
(1) TITLE AND LOCATION (City and State) SR 134 HOLLYWOOD WAY RAMPS IMPROVEMENTS BURBANK CALIFORNIA	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>2003</td> <td>2003</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2003	2003
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
2003	2003					
c (3) BRIEF DESCRIPTION (Brief scope size cost etc.) AND SPECIFIC ROLE Role Principal Engineer/Project Manager / Scope Construction Supervision Soils and Materials Testing - The proposed improvements consisted of the relocation of existing on/off ramps construction of retaining walls up to six feet high and an additional 10 feet of screen wall at the top of wall for the relocation of the ramps GEI provided soils and concrete testing services as well as supervision during construction Project required meeting specifications of both the City and Caltrans	☒ Check if project performed with current firm					
(1) TITLE AND LOCATION (City and State) PAVEMENT EVALUATION OF PIGEON PASS ROAD AT FREEWAY 60 MORENO VALLEY CALIFORNIA	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>2001</td> <td>2001</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2001	2001
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
2001	2001					
d (3) BRIEF DESCRIPTION (Brief scope size cost etc.) AND SPECIFIC ROLE Role Principal Engineer/Project Manager / Scope Geotechnical Investigation Pavement Evaluation and Recommendations - This is a federally funded undertaking involving a detailed evaluation of the existing pavement structure for Pigeon Pass Road which is approximately 1 1/2 mile in length GEI performed pavement evaluation laboratory testing and provided recommendations for three different strategies for the rehabilitation based upon the condition of the pavement	☒ Check if project performed with current firm					
(1) TITLE AND LOCATION (City and State) REHABILITATION OF SOUTH STREET AT 405 FREEWAY CERRITOS CALIFORNIA	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>1999</td> <td>1999</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	1999	1999
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
1999	1999					
e (3) BRIEF DESCRIPTION (Brief scope size cost etc.) AND SPECIFIC ROLE Role Principal Engineer/Project Manager / Scope Geotechnical Investigation Pavement Evaluation Recommendations and Materials Testing - The rehabilitation of South Street is between Studebaker Road and / of a mile east of Gndley Road The west portion of South Street involved crossing Freeway 105 through an overpass therefore requiring interaction with Caltrans	☒ Check if project performed with current firm					

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12 NAME FRANK KRESSE	13 ROLE IN THIS CONTRACT CONSULTING ENGINEER	14 YEARS EXPERIENCE <table border="1"> <tr> <td>a TOTAL</td> <td>b WITH CURRENT FIRM</td> </tr> <tr> <td>40</td> <td>Consultant</td> </tr> </table>		a TOTAL	b WITH CURRENT FIRM	40	Consultant
a TOTAL	b WITH CURRENT FIRM						
40	Consultant						
15 FIRM NAME AND LOCATION (City and State) Geo-Environmental Inc , Santa Ana, California							
16 EDUCATION (DEGREE AND SPECIALIZATION) B A Geology University of California Berkeley 1956		17 CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Consulting Engineering Geologist California 1970 No 1028 Certified Engineering Geologist California 1970 No 406					
18 OTHER PROFESSIONAL QUALIFICATIONS (Publications Organizations Training Awards etc)							

19. RELEVANT PROJECTS

a	(1) TITLE AND LOCATION (City and State) RED MOUNTAIN RESERVOIR FALLBROOK CALIFORNIA	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td></td> <td></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)		
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
(3) BRIEF DESCRIPTION (Brief scope size cost etc) AND SPECIFIC ROLE ☐ Check if project performed with current firm Role Principal Geologist / Scope Provided project consultant services for Fallbrook Public Utilities District during construction of 95 foot high earth dam including setup and operation of field soil and laboratory testing concrete substructure emplacement injection and coordination with the Bureau of Reclamation and the California Division of Safety of Dams							
b	(1) TITLE AND LOCATION (City and State) WATER SUPPLY DAM BIG SULPHUR CREEK THE GEYSERS CALIFORNIA	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td></td> <td></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)		
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
(3) BRIEF DESCRIPTION (Brief scope size cost etc) AND SPECIFIC ROLE ☐ Check if project performed with current firm Role Principal Geologist / Scope Provided consultation to Northern California Power Association for the design of a 130-foot high dam Project involved evaluation of seismicity landslides and other geologic hazards Area was experiencing subsidence because of steam withdrawal and survey data was being evaluated with respect to dam development							
c	(1) TITLE AND LOCATION (City and State) NORCONIAN DAM RIVERSIDE COUNTY CALIFORNIA	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td></td> <td></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)		
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
(3) BRIEF DESCRIPTION (Brief scope size cost etc) AND SPECIFIC ROLE ☐ Check if project performed with current firm Role Principal Geologist / Scope Mr Kresse was the project consultant to the U S Navy for analysis of existing earthfill dam Project included geotechnical investigation project design and geotechnical monitoring during construction							
d	(1) TITLE AND LOCATION (City and State) ROCK CREEK DAM PLUMAS COUNTY CALIFORNIA	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td></td> <td></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)		
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
(3) BRIEF DESCRIPTION (Brief scope size cost etc) AND SPECIFIC ROLE ☐ Check if project performed with current firm Role Principal Geologist / Scope Participated with Raymond Kaiser Engineers in development of 15 MW hydroelectric facility for Oroville-Wyandotte Irrigation District on a tributary of the Feather River Conducted geological mapping seismic refraction rock fracture and excavation studies for dam diversion structure tunnel surface penstock and powerhouse Presented engineering feasibility data for license approval							
e	(1) TITLE AND LOCATION (City and State) COGSWELL RESERVOIR PROJECT SOUTHERN CALIFORNIA	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td></td> <td></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)		
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
(3) BRIEF DESCRIPTION (Brief scope size cost etc) AND SPECIFIC ROLE ☐ Check if project performed with current firm Role Principal Geologist / Scope Responsible for technical review and corporate quality control of environmental assessment of disposal options for 5.6 million cubic yards of sediments in Cogswell Reservoir at headwaters of Los Angeles County Drainage Area system Client County of Los Angeles Department of Public Works							

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12 NAME ROBERTO C FLORES	13 ROLE IN THIS CONTRACT Sr Engineering Technician	14 YEARS EXPERIENCE <table border="1"> <tr> <td>a TOTAL</td> <td>b WITH CURRENT FIRM</td> </tr> <tr> <td>11</td> <td>2</td> </tr> </table>		a TOTAL	b WITH CURRENT FIRM	11	2
a TOTAL	b WITH CURRENT FIRM						
11	2						
15 FIRM NAME AND LOCATION (City and State) Geo Environmental Inc , Santa Ana, California							
16 EDUCATION (DEGREE AND SPECIALIZATION) B S E Civil Engineering Monterey Institute of Technology 1999		17 CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)					
18 OTHER PROFESSIONAL QUALIFICATIONS (Publications Organizations Training Awards etc) Nuclear Gauge Operator Training #14205 CALTRANS Independent Assurance Program (Test Methods 105 201 202 216 217 226 and 231) Course on Cone Penetration Testing (Gregg Drilling & Testing Inc)							

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) GEOTECHNICAL CONSTRUCTION OBSERVATION AND MATERIALS TESTING SERVICES FOR THE CONSTRUCTION OF MONTIEL PARK (PHASE I) SAN MARCOS CALIFORNIA a (3) BRIEF DESCRIPTION (Brief scope size cost etc) AND SPECIFIC ROLE Role Field Technician / Scope Mr Flores is currently performing grading and concrete inspection The work to be constructed is located on Montiel Road approximately 1 15 miles east of Nordahl Road in the City of San Marcos The project generally consists of the construction of Phase I recreation facility on a 9 95 acre parcel which includes the grading for three pads a paved parking area for 31 vehicles sidewalk driveways a basketball court facility picnic tables storm drain system landscaping irrigation fencing site furnishings drinking fountains water service and meter as well as related appurtenant structures	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>Ongoing</td> <td>2004</td> </tr> </table> ☒ Check if project performed with current firm		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	Ongoing	2004
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
Ongoing	2004					
(1) TITLE AND LOCATION (City and State) MONTE VISTA STORM DRAIN CORONA CALIFORNIA b (3) BRIEF DESCRIPTION (Brief scope size cost etc.) AND SPECIFIC ROLE Role Field Technician / Scope Geotechnical Engineering Construction Observation and Testing – Project involved configuring the interchange to a diamond configuration eliminating the eastbound to northbound Main Street loop and signalizing the intersection of the eastbound off ramp The main objectives were to improve and enhance the interchange at 91 Freeway and Main Street	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>1999</td> <td>1999</td> </tr> </table> ☒ Check if project performed with current firm		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	1999	1999
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
1999	1999					
(1) TITLE AND LOCATION (City and State) SR 134 HOLLYWOOD WAY RAMPS IMPROVEMENTS BURBANK CALIFORNIA c (3) BRIEF DESCRIPTION (Brief scope size cost etc) AND SPECIFIC ROLE Role Field Technician / Scope Construction Supervision Soils and Materials Testing – The proposed improvements consisted of the relocation of existing on/off ramps construction of retaining walls up to six feet high and an additional 10 feet of screen wall at the top of wall for the relocation of the ramps GEI provided soils and concrete testing services as well as supervision during construction Project required meeting specifications of both the City and Caltrans	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>2003</td> <td>2003</td> </tr> </table> ☒ Check if project performed with current firm		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2003	2003
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
2003	2003					
(1) TITLE AND LOCATION (City and State) DEL AMO STREET TRUNK SEWER REPLACEMENT CARSON CALIFORNIA d (3) BRIEF DESCRIPTION (Brief scope size cost etc) AND SPECIFIC ROLE Role Field Technician / Scope Geotechnical Investigation – Conducted field investigation in accordance with County Sanitation Districts of Los Angeles County (CSDLAC) requirements Proposed trunk sewer is located along East Del Amo Street between Main Street and the Dominguez Channel east of the 405 Freeway	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>2002</td> <td>2002</td> </tr> </table> ☒ Check if project performed with current firm		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2002	2002
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
2002	2002					
(1) TITLE AND LOCATION (City and State) SOUTHERN RADIAL ROAD AND CALIFORNIA EXTENSION (UCI) IRVINE CALIFORNIA e (3) BRIEF DESCRIPTION (Brief scope size cost etc.) AND SPECIFIC ROLE Role Field Technician / Scope Geotechnical Investigation Construction Observation/Soils and Materials Testing – The proposed construction is a design build project GEI as a subconsultant to PBS&J is providing both the design and later construction observation/soils and materials testing services The duration of the project is approximately 18 months Scope of GEI's work includes a soils investigation to formulate recommendations for the design construction and grading operations for the proposed roads This includes site visits collection of bulk soil samples from the site laboratory testing engineering analyses and preparation of a geotechnical report to provide recommendations for the design and construction of the proposed roads	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>2003</td> <td></td> </tr> </table> ☒ Check if project performed with current firm		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2003	
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
2003						

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12 NAME PARVIZ SHEIKHAVANDI	13 ROLE IN THIS CONTRACT Sr Engineering Technician	14 YEARS EXPERIENCE <table border="1"> <tr> <td>a TOTAL</td> <td>b WITH CURRENT FIRM</td> </tr> <tr> <td>22</td> <td>6</td> </tr> </table>		a TOTAL	b WITH CURRENT FIRM	22	6
a TOTAL	b WITH CURRENT FIRM						
22	6						
15 FIRM NAME AND LOCATION (City and State) Geo-Environmental Inc , Santa Ana California							
16 EDUCATION (DEGREE AND SPECIALIZATION) B S Civil Engineering 1975		17 CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)					
18 OTHER PROFESSIONAL QUALIFICATIONS (Publications Organizations Training Awards etc) Nuclear Gauge Operator Training CALTRANS Independent Assurance Program (Test Methods 216 533 539 540 217 231 375a)							

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
190TH STREET REHABILITATION PROJECT TORRANCE CALIFORNIA	PROFESSIONAL SERVICES 2001	CONSTRUCTION (If applicable) 2001
a (3) BRIEF DESCRIPTION (Brief scope size cost etc.) AND SPECIFIC ROLE Role Supervising Technician / Scope Independent Assurance Soils and Materials Testing The project was a federally funded project requiring the construction operations to meet the City of Torrance Federal and Caltrans specifications The City's Quality Assurance Program (QAP) was implemented during construction In this project we were assigned to perform the Independent Assurance Sampling and Testing (IAST) to verify the Accepting Testing (AT) performed by another geotechnical firm to ensure their conformance with Caltrans QAP requirements	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) 91 FREEWAY / MAIN STREET INTERCHANGE IMPROVEMENTS CORONA CALIFORNIA	PROFESSIONAL SERVICES 2002	CONSTRUCTION (If applicable) 2002
b (3) BRIEF DESCRIPTION (Brief scope size cost etc.) AND SPECIFIC ROLE Role Supervising Technician / Scope Construction Observation Batch Plant Inspection and Materials Testing - Project involved configuring the interchange to a diamond configuration eliminating the eastbound to northbound Main Street loop and signaling the intersection of the eastbound off ramp The main objectives were to improve and enhance the interchange at 91 Freeway and Main Street	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) SR 134 HOLLYWOOD WAY RAMPS IMPROVEMENTS BURBANK CALIFORNIA	PROFESSIONAL SERVICES 2003	CONSTRUCTION (If applicable) 2003
c (3) BRIEF DESCRIPTION (Brief scope size cost etc.) AND SPECIFIC ROLE Role Sr Field Technician / Scope Construction Supervision Soils and Materials Testing - The proposed improvements consisted of the relocation of existing on/off ramps construction of retaining walls up to six feet high and an additional 10 feet of screen wall at the top of wall for the relocation of the ramps GEI provided soils and concrete testing services as well as supervision during construction Project required meeting specifications of both the City and Caltrans	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) DEL AMO STREET TRUNK SEWER REPLACEMENT CARSON CALIFORNIA	PROFESSIONAL SERVICES 2002	CONSTRUCTION (If applicable) 2002
d (3) BRIEF DESCRIPTION (Brief scope size cost etc.) AND SPECIFIC ROLE Role Sr Field Technician / Scope Geotechnical Investigation - Conducted field investigation in accordance with County Sanitation Districts of Los Angeles County (CSDLAC) requirements Proposed trunk sewer is located along East Del Amo Street between Main Street and the Dominguez Channel east of the 405 Freeway	☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) SOUTHERN RADIAL ROAD AND CALIFORNIA EXTENSION (UCI) IRVINE CALIFORNIA	PROFESSIONAL SERVICES 2003	CONSTRUCTION (If applicable)
e (3) BRIEF DESCRIPTION (Brief scope size cost etc.) AND SPECIFIC ROLE Role Sr Field Technician / Scope Construction Observation/Soils and Materials Testing - The proposed construction is a design build project GEI as a subconsultant to PBS&J is providing both the design and later construction observation/soils and materials testing services The duration of the project is approximately 18 months Scope of GEI's work includes a soils investigation to formulate recommendations for the design construction and grading operations for the proposed roads This includes site visits collection of bulk soil samples from the site laboratory testing engineering analyses and preparation of a geotechnical report to provide recommendations for the design and construction of the proposed roads	☒ Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12 NAME MICHAEL J GIVENS, B S	13 ROLE IN THIS CONTRACT Staff Geologist Sr Engineering Technician	14 YEARS EXPERIENCE <table border="1"> <tr> <td>a TOTAL</td> <td>b WITH CURRENT FIRM</td> </tr> <tr> <td>3</td> <td>3</td> </tr> </table>		a TOTAL	b WITH CURRENT FIRM	3	3
a TOTAL	b WITH CURRENT FIRM						
3	3						
15 FIRM NAME AND LOCATION (City and State) Geo-Environmental, Inc , Santa Ana, California							
16 EDUCATION (DEGREE AND SPECIALIZATION) B S General Geology California State Long Beach		17 CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)					
18 OTHER PROFESSIONAL QUALIFICATIONS (Publications Organizations Training Awards etc) Nuclear Gauge Operator ID No 45047 Caltrans Independent Assurance Sampling Program CPT Training from Gregg In Situ							

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) CULVER DRIVE REALIGNMENT AND WIDENING PROJECT IRVINE CALIFORNIA	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>2005 present</td> <td></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2005 present	
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
2005 present						
a (3) BRIEF DESCRIPTION (Brief scope size cost etc.) AND SPECIFIC ROLE Role Field Technician / Scope Assurance Testing The City of Irvine intends to realign and widen Culver Drive from Campus Drive to Bonita Canyon For the completion of a federally aided project Acceptance Testing (AT) services is required Mr Givens is performing acceptance tests on materials incorporated into this construction project The services performed include evaluation of excavation evaluation of imported earth material to be used as fill evaluation of compaction procedures testing of compaction and moisture content asphalt concrete/PCC testing and batch plant inspection	☒ Check if project performed with current firm					
(1) TITLE AND LOCATION (City and State) SOUTHERN RADIAL ROAD AND CALIFORNIA EXTENSION (UCI) IRVINE CALIFORNIA	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>2003 2005</td> <td></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2003 2005	
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
2003 2005						
b (3) BRIEF DESCRIPTION (Brief scope size cost etc.) AND SPECIFIC ROLE Role Field Technician / Scope Geotechnical Investigation Construction Observation/Soils and Materials Testing -The proposed construction is a design build project GEI as a subconsultant to PBS&J provided both the design and construction observation/soils and materials testing services The duration of the project was approximately 18 months Scope of Mr Givens work consisted of performing a geotechnical investigation as well as performing all necessary laboratory tests throughout the project	☒ Check if project performed with current firm					
(1) TITLE AND LOCATION (City and State) REHABILITATION OF 27 STREETS FOR 05 06 STREET REHABILITATION PROJECT LA HABRA CALIFORNIA	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>2005</td> <td></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2005	
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
2005						
c (3) BRIEF DESCRIPTION (Brief scope size cost etc.) AND SPECIFIC ROLE Role Field Technician / Scope Geotechnical Investigation The purpose of this geotechnical investigation was to explore the subsurface conditions evaluate the engineering properties of the on site soils and provide recommendations for the rehabilitation of the streets The subject streets have experienced pavement distress that has occurred over a period of time and ranged from minor to severe Mr Givens supervised the field drilling and soil sampling operations in the field and logged the soil borings Later he performed the pertinent laboratory tests and assisted the Project Engineer in engineering analyses and preparation of the report	☒ Check if project performed with current firm					
(1) TITLE AND LOCATION (City and State) TRANSMISSION MAIN RELOCATION UNDER SR 60 / I 215 FREEWAY RIVERSIDE CALIFORNIA	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>2004</td> <td></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2004	
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
2004						
d (3) BRIEF DESCRIPTION (Brief scope size cost etc.) AND SPECIFIC ROLE Role Field Technician / Scope Soils and Materials Testing Geo-Environmental Inc (GEI) provided geotechnical observation and soil testing services on an as needed basis during the relocation of the water transmission mains located under the State Route 60/Interstate 215 Freeway in the City of Riverside In the field GEI's technicians performed density tests on the compacted soil during the backfilling of the jacking pit and receiving pit at the end of the pipe casings to determine the relative compaction of the backfill soils at the locations Mr Givens performed the required laboratory tests for evaluation of the compacted material In the field Mr Givens performed the needed field density tests to verify that the project's compaction requirements were met	☒ Check if project performed with current firm					
(1) TITLE AND LOCATION (City and State) SURFICIAL LANDSLIDE INVESTIGATION FOR EIGHT LOCATIONS LA CANADA FLINTRIDGE CALIFORNIA	(2) YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (If applicable)</td> </tr> <tr> <td>2005</td> <td></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2005	
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)					
2005						
e (3) BRIEF DESCRIPTION (Brief scope size cost etc.) AND SPECIFIC ROLE Role Field Technician / Scope Several landslides occurred in the City of La Canada Flintridge due to the record breaking rainfall Southern California received in 2005 The primary objectives of evaluation by Geo-Environmental Inc (GEI) were to characterize the nature of the earth materials in the distressed slopes identify the mode of failure and provide advice and options for restoration of the slope guardrail and pavement surface Mr Givens assisted the Certified Engineering Geologist in the field exploration and soil sampling operations The field work included the logging of exploratory trenches hand auger and mechanically powered hollow stem auger borings He also performed many soil tests in the laboratory which were needed for the performance of the stability evaluation	☒ Check if project performed with current firm					

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)			
12. NAME John Kelly	13. ROLE IN THIS CONTRACT Principal in Charge Civil Engineering	14. YEARS EXPERIENCE a. TOTAL 24 b. WITH CURRENT FIRM 14	
15. FIRM NAME AND LOCATION (City and State) Wheeler & Gray Consulting Engineers			
16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science Civil Engineering University of Southern California		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) California, Civil Arizona, Civil Nevada, Civil California, Registered Environmental Assessor I	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Member American Water Works Association			
19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State) William S. Hart Park Tank Replacement Santa Clara, California		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2004 CONSTRUCTION (if applicable) N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Wheeler & Gray is providing engineering services to the L.A. County Department of Parks and Recreation for the replacement of a 100,000 gallon water storage tank at William S. Hart Park in Santa Clara. The replacement is required because the existing tank was damaged during the 1994 Northridge earthquake. Its storage capacity is now limited to half of its volume and the County Fire Department issued an order to restore the tank to its full capacity. Estimated construction cost, \$450,000.		☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) California State University Northridge Northridge, California		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2004 CONSTRUCTION (if applicable) 2004	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Engineering planning and design services for the reconstruction of roads, parking lots, walkways, athletic fields, landscaping and other site facilities on the campus of California State University Northridge. The campus was damaged extensively by the Northridge earthquake. Reconstruction was a ten year effort and was phased to minimize disruption to the operation of the campus. The campus covers approximately 385 acres. The total site restoration costs were approximately \$25 million.		☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Kelvin Channel Reseda, California		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2000 CONSTRUCTION (if applicable) 2000	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Design of approximately 2,000 feet of reinforced concrete double box storm drain. The original storm drain was a trapezoidal open channel designed to convey about 4,000 CFS. The new drain allowed construction of roads and parking structures for a new development. Project construction cost \$1.9 million.		☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Appian Way Retaining Wall Santa Monica, California		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2002 CONSTRUCTION (if applicable) 2002	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Design of replacement of a beach side timber retaining wall that was slowly failing. The condition of the existing wall was threatening adjacent streets and utilities in the public rights-of way. The new wall was designed as a cast-in-place reinforced concrete retaining structure on a foundation system of cast-in-place friction pier and grade beams spanning between each pile. Project construction cost, approx \$650,000.		☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Val Verde Regional Community Park Drainage Study Val Verde, California		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2002 CONSTRUCTION (if applicable) 2002	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Drainage study of L.A. County's Val Verde Community Regional Park. Chronic flooding problems needed to be solved before implementation of an improvement program. The park is subjected to flooding on an annual basis. The flooding produces debris and mud flows that require costly clean-up efforts every year. Study objectives were to identify the sources and causes of the flooding, determine capacities of existing storm drain facilities, and recommend solutions. Study fee \$25,000.		☒ Check if project performed with current firm	

STANDARD FORM 330 (8/2004) PAGE 2

E RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete this Section E for each key person)			
12 NAME Mary K. Kinsler	13 ROLE IN THIS CONTRACT Civil Engineer	14 YEARS EXPERIENCE a TOTAL 22 b WITH CURRENT FIRM < 1	
15 FIRM NAME AND LOCATION (City and State) Wheeler & Gray Consulting Engineers Pasadena, California			
16 EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science Civil Engineering University of Michigan		17 CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) California, Civil Engineer	
18 OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training Awards, etc.) Member American Society of Civil Engineers Member Institute of Transportation Engineers			
19 RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State) 12 inch Potable and 20 inch Reclaimed Water Line Relocations Long Beach, California		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2005 CONSTRUCTION (if applicable) 2005	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Design of relocation of approximately 1,600 feet of 12 inch diameter potable water transmission pipe and the same length of 20-inch diameter reclaimed water pipe. The project included reconnection of meters, valves, fire hydrants and other appurtenances. The project was routed through an existing community college campus and terminated in a major street. Existing easements were vacated and new easements were created. Approx. construction cost \$ 450,000		☒ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Anaheim Street Grade Separation Long Beach, California		(2) YEAR COMPLETED PROFESSIONAL SERVICES 1997 CONSTRUCTION (if applicable) 2000	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Preliminary and Final Design and design support for construction of the Southern Pacific RR overpass Bridge for the Alameda Corridor Los Angeles - Long Beach Port Expansion Project. Approx construction cost \$ 45 million total and \$ 22 million for roadway and structures		☐ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) MTA San Fernando Valley Dedicated Busway San Fernando, California		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2004 CONSTRUCTION (if applicable) 2005	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided engineering oversight and construction management support services to LA County MTA for fourteen miles of new dedicated busway Super Street in the San Fernando Valley of the City of Los Angeles. Project construction cost: approx \$ 175 million		☐ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Rosecrans Avenue and Aviation Boulevard Intersection Improvements Hawthorne, California		(2) YEAR COMPLETED PROFESSIONAL SERVICES 1995 CONSTRUCTION (if applicable) 1996	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Plans, specifications and estimates for the widening of two arterial roads for a railway underpass structure replacement for the City of Carson. Approx construction cost \$ 2 million		☐ Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Evening and Sunset Plaza Storm Drain Los Angeles County, California		(2) YEAR COMPLETED PROFESSIONAL SERVICES 1992 CONSTRUCTION (if applicable) 1994	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Drainage design and right of way analysis. Approximate construction cost \$ 500,000		☐ Check if project performed with current firm	

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E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section F for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Clyde C Cabrera	Principal Surveyor	TOTAL 46	a. WITH CURRENT FIRM 28
15. FIRM NAME AND LOCATION (City and State) Cabrera, Hearn & Associates			
16. EDUCATION (DEGREE AND SPECIALIZATION) Studied Agricultural Engineering - California State Polytechnic University - San Luis Obispo		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) California Professional Land Surveyor #3457 Arizona Registered Land Surveyor #7491 Alaska Professional Land Surveyor #3962 S Nevada Professional Land Surveyor #5442	
18. OTHER PROFESSIONAL QUALIFICATIONS (Professions, Organizations, Training, Awards, etc.) He is a former member of the State Board of Directors of the Consulting Engineers and Land Surveyors of California (CLLSOC) 1996-2002 and past president of the Los Angeles Chapter			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) Pasadena Blue Line Light Rail Project Pasadena CA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 1998	CONSTRUCTION (if applicable)
b.	(1) TITLE AND LOCATION (City and State) Whittier City School District Renovation Project - Whittier CA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2002	CONSTRUCTION (if applicable)
c.	(1) TITLE AND LOCATION (City and State) Pasadena SR 110 Mitigation Project, Pasadena, CA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2004	CONSTRUCTION (if applicable)
d.	(1) TITLE AND LOCATION (City and State) Cal State Northridge Earthquake renovation Projects Northridge, CA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2004	CONSTRUCTION (if applicable)
e.	(1) TITLE AND LOCATION (City and State) City of Pasadena On call surveying services contract Pasadena, CA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2006	CONSTRUCTION (if applicable)

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE

Principal in Charge/Project Manager of 14-Mile Multiyear project client interface negotiation of over 40 task orders on the Los Angeles to East Pasadena project. Responsible for directing and also participating in the performance of control design, right-of-way utility photo control, aerial photogrammetric mapping and alignment surveys for design of the light rail system

Principal Surveyor/Project Manager Site surveys of 112 acres of existing school sites and adjacent parking in unincorporated and city areas of Whittier produced 20 scale aerial mapping with supplemental detailed ground surveys digital color orthophotos, underground utility research and mapping

Principal Surveyor/Project Manager - Street and Freeway X Section surveys design topography photogrammetric mapping right-of-way surveys and legal description preparation for the Raymond Avenue to SR 110 connector project

Principal Surveyor/Project Manager Over 45 detailed topographic design surveys both ground and aerial covering a major portion of the campus including surveys and mapping of parking lots athletic fields, buildings, streets and complete campus utility location and inventory survey

Principal Surveyor/Project Manager - Street As-Built design surveys legal description preparation boundary location & right-of-way surveys utility research GPS control surveys, miscellaneous on call services for the Dept. of Public Works

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E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Camden Cabrinha	Project Surveyor/Party Chief	22	17
15. FIRM NAME AND LOCATION (City and State) Cabrinha, Henry & Associates - Pasadena CA		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) California Professional Land Surveyor - #6755	
16. EDUCATION (DEGREE AND SPECIALIZATION) Studied Surveying at Pasadena City College and Rancho Santiago College			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training Awards, etc.) Specialized training in Global Positioning Systems at ASHTECH. His field and office experience includes Plane Table Control (GPS & conventional), construction layout, Topographic, ALTA Boundary and Map processing projects. He has had extensive training and considerable experience in computer aided mapping and electronic gathering and transferring of survey data.			
19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
I 605/Carson Street Interchange Improvement Project	PROFESSIONAL SERVICES 1999	CONSTRUCTION (if applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Surveyor/Party Chief. Provided horizontal & vertical control surveys and field and office survey support for the CM including topographic as-built, quantity surveys and calculations and field checking, and review of contractor control and layout. ☒ Check if project performed with current firm.			
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
Alameda Corridor CM Projects - Various Alameda Corridor locations, CA	PROFESSIONAL SERVICES 2004	CONSTRUCTION (if applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Surveyor/Party Chief - Control surveys, field and office survey support to the CM on the Compton Creek Rail Bridge, ACTA Bridge at the Dominguez Channel, Union Pacific Railroad Dominguez Channel truck bridge, Long Beach Rail Bridge, Alameda Bridge, Watson Lead (Segment 3), Anaheim Street Storm Drain. As-builts, quantity surveys, track alignment verifications, field checks and review of contractor control and layout. ☒ Check if project performed with current firm.			
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
Pasadena SR 110 Mitigation Project, Pasadena, CA	PROFESSIONAL SERVICES 2004	CONSTRUCTION (if applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Party Chief. Street and Freeway X-Section surveys, design topography, photogrammetric mapping, right-of-way surveys and legal description preparation for the Raymond Avenue to SR 110 connector project. ☒ Check if project performed with current firm.			
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
Montrose Avenue Road Improvement Project, Los Angeles County, CA	PROFESSIONAL SERVICES 2002	CONSTRUCTION (if applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Party Chief. County Accelerated Road Improvement project. 1.7 miles of detailed topographic and right-of-way survey to facilitate the design of roadway improvements. Centerline recovery, X-Sections of street and digital mapping delineating C/L, R/W, control and all topographic features. ☒ Check if project performed with current firm.			
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
Cal State Northridge Earthquake renovation Projects, Northridge, CA	PROFESSIONAL SERVICES 2004	CONSTRUCTION (if applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Party Chief. Over 50 detailed topographic design surveys, both ground and aerial covering a major portion of the campus, including surveys and mapping of parking lots, athletic fields, buildings, streets and complete campus utility location and inventory survey. ☒ Check if project performed with current firm.			

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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20 EXAMPLE PROJECT KEY NUMBER

1

21 TITLE AND LOCATION (City and State)

**Surficial Landslide Investigation of Eight (8) Locations
La Canada Flintridge California**

22 YEAR COMPLETED

Professional Services

2005

Construction (If applicable)

2005

23 PROJECT OWNER S INFORMATION

a PROJECT OWNER

b POINT OF CONTACT NAME

c POINT OF CONTACT
TELEPHONE NUMBER

City of La Canada Flintridge

Mr Ying Kwan P E City Engineer

(818) 790 8882

24 BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope size and cost)

The purpose of this investigation was to explore geologic conditions and obtain soil and rock samples from the slide area for developing data to evaluate the slope stability and erosion conditions of the areas located at the subject site and to provide recommendations for the needed repairs and reconstruction so that the adversely impacted area of Earlmont Avenue may be safely reopened for the vehicular traffic Our geotechnical services consisted of the following

- ✦ Researching and reviewing of readily available geologic maps geotechnical data topographic maps and aerial photographs pertinent to the area
- ✦ Subsurface exploration including two (2) soil borings drilled with an 8 inch hollow stem auger drill rig and two (2) soil borings dug with hand auger equipment The borings were drilled to evaluate subsurface conditions and to collect soil samples for laboratory testing
- ✦ Laboratory testing of selected soil samples including test to evaluate in situ moisture dry density maximum dry density and optimum moisture content grain size analysis plasticity index direct shear strength and consolidation parameters
- ✦ Engineering analysis to evaluate slope stability erosion potential and geotechnical design criteria to provide recommendations for its reconstruction
- ✦ Preparation of a geotechnical evaluation report presenting our findings along with our preliminary conclusions regarding geologic conditions along the portions of Earlmont Avenue and preliminary geotechnical recommendations for the proposed repairs and reconstruction



Based on the findings of this study the Earlmont Avenue slope failure was not a manifestation of deep seated land instability Instead the weight of saturated and loose surficial fill appeared to have exceeded the capacity of a deteriorated timber wall and other short term remedies The rapid failure involved virtually no native soils Slip seems to have been localized along the original ground surface Multiple options existed to repair the slope and reconstruct the roadway to its original width generally involving walls engineered slopes or combinations thereof Rankings were made based on attributes such as the following

- ✦ Constructibility including site access and desire to avoid any construction east of the roadway centerline due to live utilities or in the creek bed itself (the ravine contains a blue line stream considered USA waters)
- ✦ Favorable flexibility and drainage characteristics
- ✦ Probable costs
- ✦ Quality of on site and readily available local import soil materials
- ✦ Aesthetics and ability to blend in with neighboring (undamaged) slopes
- ✦ Ability to meet all required minimum factors of safety for static and seismic slope stability
- ✦ Retention of surficial soils to prevent unwanted sediment run off

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	Geo Environmental Inc	Santa Ana California	Geotechnical Engineering
b	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	Wheeler & Gray	Pasadena California	Civil and Structural Engineering (Design Services)
c	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	Cabrnhn Hearn & Associates	Pasadena California	Surveying

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

21 EXAMPLE PROJECT KEY NUMBER

2

21 TITLE AND LOCATION (City and State)

Landslide Repairs at Highland View Corona California

22 YEAR COMPLETED

Professional Services

2003

Construction (If applicable)

2003

23 PROJECT OWNER S INFORMATION

a PROJECT OWNER

City of Corona

b POINT OF CONTACT NAME

Mr Nabil Kassih Senior Civil Engineer

c POINT OF CONTACT
TELEPHONE NUMBER

(909) 817 5765

24 BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope size and cost)

Slope behind residential structures at Highland View in the City of Corona failed during August 2003 At the request of the Public Works Department City of Corona GEI performed an investigation to identify the causes of the slope failure Following investigation GEI prepared a report summarizing the results of the investigation and presented recommendations for the restoration of the slope

It was found that the slide occurred due to the saturation of the man made fill caused by over irrigation During the repairs GEI provided geotechnical observation and soil testing services to the City of Corona to ensure that the keys and the benches had been prepared properly for restoration of the slope

Prior to benching and keying all unsuitable and deleterious materials were removed from the subject site During these operations the upper two to four feet of soils were excavated and replaced with imported non expansive fill material compacted in thin lifts The backfill material consisted predominantly of sandy soils with different percentages of silt and clay The grading operations were generally accomplished using two wheel barrows one belt conveyor one wacker (handheld compactor) one water hose and several shovels



During the inspection depth of excavation was checked and found to be at least exposed to competent material (bedrock) ranging in different depths The overexcavated bottoms of the benches and the key were checked using the probe Due to the space constraints at the subject site the excavated soils and unsuitable materials were placed in different stockpiles located at the west side of the construction site and at the front of the existing property

Prior to backfill operations the imported material was moisture conditioned at the time of the placement and compaction of fill progressed All imported material was loaded using wheelbarrows from the stockpile located at the front of the property to the small stockpile located at the west side of the construction site After these operations all the material was dumped and transported by the belt conveyor to the area of filling Prior to backfill operations within the last upper four feet near the top of the slope all loose material and debris were removed Prior to pouring 3 cubic yards of 1 sack cement slurry the existing irrigation pipes were set and tested by the City's landscaping inspector After these operations a French backdrain was installed that consisted of a 4 inch diameter perforated schedule 40 PVC pipe with the perforations facing up and embedded in 3/4 inch open graded gravel Consequently the pipe and the gravel were wrapped in filter fabric equivalent to Mirafi 140N The outlet pipe was installed perpendicular to the existing water pipes leaving a minimum flow gradient of 2 percent

Fill soils were placed in 2 to 4 inch lifts and compacted with the wacker The minimum required compaction was 90 percent for the existing and imported soil respectively as determined from ASTM D1557 00 Testing Procedure

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a	Geo Environmental Inc	Santa Ana California	Geotechnical Engineering
b	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

Cranks / Tellefson Road Slide Slope Repairs

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

22. EXAMPLE PROJECT KEY NUMBER

3

21. TITLE AND LOCATION (City and State)

**Slope Stability Evaluation Shorecliffs Golf Course
San Clemente California**

22. YEAR COMPLETED

Professional Services

1994 1999

Construction (If applicable)

1994 1999

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Shorecliffs Golf Course

b. POINT OF CONTACT NAME

Mr Fon Leong Owner

**c. POINT OF CONTACT
TELEPHONE NUMBER**

(714) 492 1177

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope size and cost)

Geo Environmental Inc (GEI) provided its geotechnical engineering and forensic services to the owners of Shorecliffs Golf Course in their dispute with the homeowners surrounding the Golf Course. The Golf Course located in San Clemente is situated in a canyon surrounded by houses built on both sides of the canyon. These houses facing the canyon were built at a time when the state of the art related to construction on a hilly site was not as advanced and the supervision of the grading operations by the governing agencies was not as stringent as it is now. The level building pads for these houses were constructed by cut and fill. The investigation performed by GEI for several properties indicated that the fills required to construct level building pads were neither properly compacted nor properly keyed and benched. GEI's studies concluded that at least one of the properties investigated by GEI had a very low factor of safety against sliding.



GEI recommended several remedial measures to be implemented immediately to prevent landslide which was likely to occur in the event of heavy seasonal rains. For one reason or the other the remedial measures recommended by GEI were not implemented by the homeowner and the property underwent through massive landslide during the heavy rains of early 1998.

Dr. Siddiqi of GEI as a Participating Expert Witness assisted the Attorneys representing the owners of the Shorecliff Golf Course in preparing their case for the trials. GEI participated in the inspection of the effected properties mandated by the Court as well as the geotechnical investigations performed by the opposing parties. Dr. Siddiqi was deposed by the apposing Attorney and participated in arbitration proceedings.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a	(1) FIRM NAME Geo Environmental Inc	(2) FIRM LOCATION (City and State) Santa Ana California	(3) ROLE Geotechnical Engineering
b	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

Cranks / Tellefson Road Slide Slope Repairs

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

23 EXAMPLE PROJECT KEY NUMBER

4

21 TITLE AND LOCATION (City and State)

**Slope Failure at the Bishop Montgomery Retention Basin
Torrance California**

22 YEAR COMPLETED

Professional Services

2006

Construction (If applicable)

2006

23 PROJECT OWNER'S INFORMATION

a PROJECT OWNER

b POINT OF CONTACT NAME

c POINT OF CONTACT
TELEPHONE NUMBER

City of Torrance

Mr John J Wisz Project Manager

(310) 781 6900

24 BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope size and cost)

The surficial failure of the Bishop Montgomery slope could be attributed to several factors. These factors include the exceedance in the capacity of the storm drain coming from the parking lot and the street, the rupture of the drainage system at the top of the slope, the poor compaction of the on site soils at the top of the slope that could cause the migration of water into the slope fill causing the failure or a random combination of these factors. The soil borings revealed the presence of organic material in the soil forming the slope. The organic material decomposes over a period of time creating voids between the soil particles. These voids provide easy passage to flowing water. The soils comprising the slope are primarily sandy and silty. These soils are highly erodible in nature where individual particles can very easily be dislodged by seepage forces. Once the dislodging of individual soil particles begins sloughing and surficial failure follows rather quickly. These cohesionless soils are prone to sliding if subjected to significant vibratory loading such as those caused by strong earthquakes.



The purpose of this study was to evaluate the contributing factors of the surficial failure and to provide recommendations for the restoration of the slope. Potential causes of surficial slope failure to be investigated included the erosion of the top soil by seeping water, the degree of compaction of the man made fill, and the impact of the drainage line on the stability of the slope.

Based on our subsurface investigation, field observations, and laboratory testing, the following conclusions were made:

- ↓ The subject slope was inclined at an average gradient of approximately 1.5:1 (horizontal to vertical). Slopes with such steep gradients are found to be more prone to surficial failure than slopes exhibiting more gentle gradients.
- ↓ The surficial soils were typically loose at the top and had gradually become more vulnerable to sliding due to repeated cycles of wetting and drying.
- ↓ The rupture of the drainage pipe and the migration of water through the slope probably caused the surficial failure. The poor compaction of the on site soils within the slope contributed to the surficial failure.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	Geo Environmental Inc	Santa Ana California	Geotechnical Engineering
b	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

[illegible]

29. EXAMPLE PROJECTS KEY

NO	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Surficial Landslide Investigation of Eight (8) Locations La Canada Flintridge California	6	
2	Landslide Repairs at Highland View Corona California	7	
3	Slope Stability Evaluation Shorecliffs Golf Course San Clemente California	8	
4	Slope Failure at the Bishop Montgomery Retention Basin Torrance California	9	
5		10	

Cranks / Tellefson Road Slide Slope Repairs

H. ADDITIONAL INFORMATION**QUALIFICATIONS OF GEO ENVIRONMENTAL, INC**

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)*. We provide a broad spectrum of geotechnical geological material testing earthquake and environmental engineering consulting. GEI's civil and geotechnical engineers geologists civil engineers and scientists are skilled in construction observation and material testing collecting and testing storm water samples and testing soil and rock mechanics soil dynamics and soil structure interaction soil liquefaction studies foundation engineering seismology seismic risk evaluations geotechnical explorations and geophysical surveys. Our capabilities include exploration of surface and subsurface conditions through a variety of field techniques including geologic mapping drilling with hollow stem and bucket auger rigs 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.

Our Caltrans certified technicians will perform the work assigned by Caltrans for each task order issued. Although an SBE firm the majority of the engineering staff at GEI has worked at senior level positions with elite geotechnical firms such as Dames & Moore Woodward Clyde and Harding Lawson. The professional staff of GEI has conducted geotechnical investigations construction monitoring material testing in accordance with Caltrans Testing Procedures and various Caltrans Manuals. Recently GEI has provided Geotechnical Observation and Material Testing Services to the City of Irvine's Culver Drive Realignment and Widening Project which is a Caltrans supervised project.

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

Responsibility Project Manager / Principal Engineer

Education *Ph D Geotechnical Engineering University of California Davis, 1984*
 M S Geotechnical Engineering, California State University, Sacramento, 1971
 B S Civil Engineering, University of Karachi Pakistan, 1965
 B S , Physics and Mathematics, University of Karachi, Pakistan 1961

Dr. Farhat H. Siddiqi is the Principal of Geo Environmental Inc (GEI) and will remain throughout the entire contract term as the Project Manager and the main Point of Contact through MACTEC for the successful operations on a day to day basis (Daytime Phone No (949) 263 8334). Dr. Siddiqi is well known among the geotechnical engineering community for his extensive experience. He has a Bachelor's Degree in Physics and Mathematics a Bachelor's Degree in Civil Engineering a Master's Degree in Geotechnical Engineering and a Ph.D. in Geotechnical Engineering. For his Ph.D. dissertation Dr. Siddiqi researched static and seismic stability evaluation of embankments containing very coarse grained material under the direction of the late Professor H. Bolton Seed of the University of California at Berkeley. He also researched resilient modulus for subgrade soils for highway design. His other research projects include sediment transport soil liquefaction potential strength and stress strain characteristics of clay sand mixtures plane strain strength characteristics of dry sands modeling strength of coarse grained soils and prediction of compaction characteristics of coarse grained material. He has received research grants from many organizations including the National Science Foundation.

Dr. Siddiqi has taught at several Universities on a part time basis including NED Engineering University (Pakistan) University of California at Davis and California State University at Sacramento. At the University of California Irvine where he is also a member of the Civil Engineering Advisory Committee Dr. Siddiqi has taught graduate courses on pavement evaluation embankment design advanced foundation engineering and earth retaining structures. Additionally Dr. Siddiqi has authored or co authored several professional papers related to behavior of coarse deposits and stability of earth embankments. The Matrix Model as proposed by Dr. Siddiqi in 1984 and commonly referred to as Siddiqi's Matrix Model in geotechnical engineering practice is widely used for the evaluation of the dam embankments and foundations containing very coarse grained material too large to be tested in Soils Laboratories with conventional testing equipment.

Prior to incorporating Geo Environmental Inc in 1993, Dr. Siddiqi as Principal Engineer was In Charge of all geotechnical operations in Southern California at Harding Lawson Associates. Dr. Siddiqi is particularly strong in transportation projects. He worked on the San Joaquin Corridor Eastern Corridor (State Route 260) and Foothill Corridor (State Route 241). He was the project manager of the prestigious geotechnical engineering understanding of the Eastern and Foothill Corridors (State Routes 260 and 241) Interchange. He also worked on Caltrans supervised seismic retrofit of several bridges in the County of Los Angeles.

With late Professor H. Bolton Seed Dr. Siddiqi worked on the seismic stability re evaluation of Oroville Dam (the highest rockfill dam in the world) immediately following the Oroville earthquake. With Late Professor Seed he also worked on Tarbela Dam (the largest earth and rockfill dam in the world) as well as on the hydraulic fracture evaluation of Teton Dam.

Cranks / Tellefson Road Slide Slope Repairs

H. ADDITIONAL INFORMATION

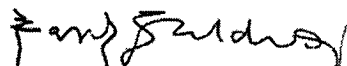
REFERENCES

NAME	ADDRESS / PHONE NO.
Mr Abdul S Rashidi Vice President (Projects Groundwater Replenishment System Unit III Pipeline Construction Southeast Barrier Pipeline Orange County Sanitation District and Orange County Water District)	Montgomery Watson Harza 301 North Lake Avenue Pasadena CA 91101 (714) 378 8202 (626) 437 7068 – Mobile
Mr Sandy Cohen Project Manager (Projects City of Torrance Waterline On Call Geotechnical Consultant to the City of Torrance)	City of Torrance 3031 Torrance Boulevard Torrance CA 90503 (310) 328 5310
Mr Charles (Chuck) Dowdell (Projects Various projects on an ongoing basis)	County Sanitation Districts of Los Angeles County 1955 Workman Mill Road Whittier CA 90607 (562) 699 7411 x 2430
Mr Max Vahid President and CEO (Projects City of Newport Beach Street Improvements Dover Drive)	Van Dell and Associates Inc 17801 Cartwright Road Irvine CA 92614 (949) 474 1400
Mr Omar Mohezi – Senior Civil Engineer (SR 134 Hollywood Ramp Improvements)	City of Burbank 275 East Olive Avenue Burbank CA 91510 (818) 238 3943
Mr Khalid Bazmi P E Principal Engineer (Projects 91 Fwy/Main Street City Hall Parking Lot)	City of Corona 815 W Sixth Street Corona CA 92882 (951) 736 2266
Mr Arshad J Syed P E Principal Water Engineer (Projects Water Transmission Mains Fwy 60/1215 Crossing Riverside)	City of Riverside 3900 Main Street Riverside CA 92522 (951) 826 5824
Mr Chuck Stephan (Rehabilitation of La Habra Boulevard FY05-06 Pavement Rehabilitation City of La Habra Fire Station Lambert Road Pavement Rehabilitation)	City of La Habra 201 East La Habra Boulevard La Habra California 90633-0337 (562) 905 9720
Mr Mohammad Rowther Senior Vice President (Projects Inland Empire Utilities Agency (IEUA) Eastern Trunk Sewer Replacement City of Riverside Storm Drain Improvements)	Berryman & Henigar Inc 2001 E First Street Santa Ana CA 92705 (714) 568 7300
Mr Nadeem Syed – Senior Civil Engineer	City of Fontana 8353 Sierra Avenue Fontana CA 92335 (909) 350 7663
Mr Nick Bebek – Engineering Geologist Geotechnical Section (Geotechnical Investigations to residential properties located in Cities of Sunset Beach Shady Canyon (Irvine) and Ladera Ranch California)	County of Orange 300 N Flower Street First Floor Santa Ana CA 92702 (714) 834 3328

I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31 SIGNATURE



32 DATE

May 8 2006

33 NAME AND TITLE

Farhat H Siddiqi Ph D P E Principal Engineer

H ADDITIONAL INFORMATION

30 PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY ATTACH ADDITIONAL SHEETS AS NEEDED

RESPONSES to SELECTION CRITERIA

Wheeler & Gray has consistently maintained high standards of quality over the 58-year history of the firm. We invite the reviewer to contact the references listed below.

Colin Donahue Director
Facilities Planning Design & Construction
California State University Northridge
18111 Nordhoff Street
Northridge California 91330-8219
TEL (818) 677 2881 FAX (818) 677-6552
E MAIL colin.donahue@csun.edu

Jim Thurow P.E.
Supervising Civil Engineer III
Los Angeles County
Department of Public Works
900 South Fremont Avenue, 6th Floor
Alhambra, CA 91803-1331
TEL (626) 458 7837 FAX (626) 458 7827
E MAIL jthurow@ladpw.org

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Department of Parks and Recreation
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TEL (805) 437 8422
E MAIL dwylie@calstate.edu

I AUTHORIZED REPRESENTATIVE
The foregoing is a statement of facts

31 SIGNATURE


33 NAME AND TITLE
John Kelly, Principal

32 DATE

11/16/2004

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H ADDITIONAL INFORMATION

20. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

COMPANY BACKGROUND

Cabrinha, Hearn & Associates (CH&A) a professional surveying and mapping corporation was founded in 1976 by Clyde Cabrinha and Nail Hearn to provide services to architects, engineers, public agencies and private industry throughout Southern California. The two founders worked together for over 30 years, establishing a demonstrated history of continuity and reliability.

GOALS AND CONTINUITY

The primary goal of the firm is to provide quality surveying and mapping services to our clients in a timely and economic fashion. Cabrinha, Hearn & Associates has been dedicated to not only serving the client's needs but also to anticipating and solving potential problems before they arise. This is accomplished through hands-on project participation by the principals, consistent and clear communication with the client, and use of the latest technology in surveying equipment and methods. The firm has over the past 28 years established a reputation for reliability and service, as is demonstrated by the ongoing nature of our clientele.

SERVICES

Cabrinha, Hearn & Associates is a full service Surveying & Mapping firm providing:

- Control surveys and adjustments
- GIS data acquisition services,
- Topographic mapping (both ground and photogrammetric),
- Site improvement and infrastructure layout surveys
- Boundary analysis and surveys
- Legal description preparation,
- ALTA surveys,
- Architectural and engineering design surveys,
- Construction management surveying support services,
- Geotechnical and environmental engineering surveying support services
- Preparation and processing of record of survey and parcel maps
- Global Positioning survey (GPS) services
- Digital data collection and mapping

OFFICE LOCATION AND DBE STATUS

CH&A is a minority-owned (MBE/DBE) small business, and is certified as such by the City of Los Angeles, the Los Angeles County Metropolitan Transportation Authority (SBE/DBE/MBE), CalTrans and the State of California as a Small Business.

Our offices are located on Rosemead Boulevard in Pasadena, with easy access to the 10 (San Bernardino) 60 (Pomona) and 210 (Foothill) freeways.

I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE



32. DATE

May 6 2005

33. NAME AND TITLE

Clyde C. Cabrinha, President

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ARCHITECT-ENGINEER QUALIFICATIONS				1 SOLICITATION NUMBER (if any)	
PART II GENERAL QUALIFICATIONS (If a firm has branch offices, complete for each specific branch office seeking work.)					
2a FIRM (OR BRANCH OFFICE) NAME Wheeler & Gray Consulting Engineers				3 YEAR ESTABLISHED 1946	4 DUNS NUMBER 050086883
2b STREET 650 Sierra Madre Villa Avenue, Suite 300				5 OWNERSHIP	
2c CITY Pasadena		2d STATE CA	2e ZIP CODE 91107	a TYPE Corporation	
6a POINT OF CONTACT NAME AND TITLE John Kelly, Principal				b SMALL BUSINESS STATUS Small Business	
6b TELEPHONE NUMBER (213) 738-2990		6c E-MAIL ADDRESS jkelly@wheelerandgray.com		7 NAME OF FIRM (If block 2a is a branch office)	
8a FORMER FIRM NAME(S) (if any)				8b YR. ESTABLISHED	8c DUNS NUMBER
9 EMPLOYEES BY DISCIPLINE				10 PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS	
a Function Code	b Discipline	c No. of Employees (1) FIRM (2) BRANCH		a Profile Code	b Experience
08	CADD Technician	5	2	B01	Baracks, Dormitories
12	Civil Engineer	4	0	B02	Bridges
57	Structural Engineer	5	1	C18	Cost Estimating Cost Engineering
				D02	Dams, Dikes, Levees
				G01	Garages, Parking Decks
				H07	Highways, Streets, Parking Lots
				H09	Hospital & Medical Facilities
				H11	Housing
				H12	Hydraulics
				I06	Drainage
				M08	Pre-fabricated Structures
				P06	Planning Site
				P08	Prisons & Correctional Facilities
				P13	Public Safety Facilities
				R03	Rapid Transit
				R06	Rehabilitation Buildings, Facilities
				R11	Flood Control
				S03	Sediment Design & Studies
				S04	Sewage Collection
				S09	Structural Design, Special Structures
	Other Employees			S13	Storm Water Handling
	Total	14	3	W03	Water Supply, Distribution
11 ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)				PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work		1		1	Less than \$100 000
b. Non Federal Work		5		2	\$100 000 to less than \$250 000
c. Total Work		5		3	\$250 000 to less than \$500 000
				4	\$500 000 to less than \$1 million
				5	\$1 million to less than \$2 million
				6	\$2 million to less than \$5 million
				7	\$5 million to less than \$10 million
				8	\$10 million to less than \$25 million
				9	\$25 million to less than \$50 million
				10	\$50 million or greater
12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts					
a SIGNATURE 				b DATE 05/06/2005	
c NAME AND TITLE John Kelly Principal					
AUTHORIZED FOR LOCAL REPRODUCTION					

1 SOLICITATION NUMBER (if any)

(If a firm has branch offices complete for each specific branch office seeking work.)

11 ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(insert revenue index number shown at right)</i>		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a Federal Work		1 Less than \$100,000	6 \$2 million to less than \$5 million
b Non-Federal Work		2 \$100,000 to less than \$250,000	7 \$5 million to less than \$10 million
c Total Work		3 \$250,000 to less than \$600,000	8 \$10 million to less than \$25 million
		4 \$600,000 to less than \$1 million	9 \$25 million to less than \$50 million
		5 \$1 million to less than \$2 million	10 \$50 million or greater

The foregoing is a statement of facts

CLYDE C CABPINHA, PRESIDENT

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CALIFORNIA UNIFIED CERTIFICATION PROGRAM (CUCP)



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April 5 2006

Mr Farhat H. Siddiqi
GEO-Environmental, Inc
1720 F. Garry Ave Ste #215
Santa Ana CA 92705

File No CUCP 20816
OCTA 22873

RF Three Year Renewal of Disadvantaged Business Enterprise Certification

Dear Mr. Siddiqi

We are pleased to advise you that after careful review of your application and supporting documentation, the Orange County Transportation Authority has determined that your firm meets the eligibility standards to be certified as a Disadvantaged Business Enterprise (DBE) as required under the U.S. Department of Transportation (U.S. DOT) Regulation 49 CFR Part 26 as amended.

The DBE certification will be honored by all U.S. DOT recipients in California and your firm will be listed in the California Unified Certification Program (UCP) database of certified DBEs under the following specific areas of expertise that you have identified on your supplemental questionnaire:

NAICS Codes
541330

Description
Engineering Services

Your DBE certification is good for three years from the date of this letter and applies only for the above codes. You may review your firm's information in the California UCP DBE Database which can be accessed at the California Department of Transportation's website at www.dot.ca.gov/hq/dbep/. Any additions and revisions must be submitted to the District for approval.

After the three-year certification period, your entire file will be reviewed in order to ascertain continued DBE certification status. You will be notified of the pending DBE status review and any documentation updates necessary prior to the expiration date.

The Regulations also require annual updates during this three-year period. In order to assure continuing DBE status, you must submit annually a DBE Declaration with

Orange County Transportation Authority
550 South Main Street, P.O. Box 14181 / Orange, California 92663-1581 (714) 560-OCTA (6782)

GEO-Environmental, Inc

Page 2

supporting documentation in the format which will be sent to you. Based on your annual submission that no change in ownership and control has occurred, or if changes have occurred they do not affect your firm's DBE standing, the DBE certification of your firm will continue until the three year certification has expired.

Also, should any changes occur that could affect your certification status prior to receipt of the DBE Declaration, such as changes in your firm's name, business/mailling address, ownership, management or control or failure to meet the applicable business size standards or personal net worth standard, please notify me immediately. DBE certification is subject to review at any time. Failure to submit forms and/or change of information will be deemed as failure to cooperate under Section 26.109 of the Regulations.

Congratulations, and thank you for your continued interest in participating in the California UCP. I wish you every business success and look forward to hearing from you if I may be of any assistance to you in this regard.

Sincerely,



Tina Giles-Potter
Small Business Program Administrator

[illegible]

MTA File #1379

José R. Hernandez
Manager

[illegible]

2002. 18