



## SECTION II

### SCOPE OF WORK

#### EVENT # 3587 GEOTECHNICAL ENGINEERING SERVICES

2.0

**Broad Description of Project:** The City of Savannah has ongoing needs for geotechnical engineering services for City projects across multiple departments. The services to be performed under this contract will be on an “as-needed” or “on-call” basis. No electronic responses will be accepted. All proposals must be submitted manually. The work to be performed may include, but is not limited to, the following:

- Geotechnical reports, including all necessary field work
- Soils engineering work for the design of piers, footings, retaining walls, foundation systems, or other structures
- Soils engineering work to analyze seismic loading and impact
- Soils analysis work and laboratory testing in accordance with American Society of Testing Materials (ASTM) and American Association of State Highway and Transportation Officials (AASHTO) Standards
- Slope stability analysis work
- Document and drawing review (design review)
- Technical specifications
- Reports
- Field inspections and data collection
- Design calculations and/or calculation review
- Design drawings and details
- Design requirements and recommendations
- Meeting attendance as needed
- Any other related geotechnical engineering services
- Design foundation systems
- Evaluate foundation system designs

The consultant will be expected to provide written reports, technical memorandums, calculations, and other documentation as necessary, and provide engineering and field support during construction activities. From time to time there is also a need for third-party advice during construction activities.

## 2.1

### **Scope of Services**

The successful proposer shall provide the following services at a minimum:

- 2.1.1 Perform geotechnical investigation and/or evaluation of impacts to City facilities, infrastructure, potential City facilities during the due diligence phase of property acquisition, and other facilities as requested. The report will include a detailed soils/site investigation including a summarization of findings; borings/test pits locations, soil classifications, stratification, recommended soil bearing capacity, construction recommendation regarding excavation, cut and fill, and foundation, pavement, and slab design recommendations. The report will be signed and sealed by a State of Georgia professional engineer. If, in the opinion of the geotechnical engineer, additional borings, testing, or data is required to adequately evaluate subsurface conditions, the geotechnical engineer shall notify the City before completing boring work and leaving the site.
- 2.1.2 Review and/or development of geotechnical mitigation measures based on new or revised loading conditions on underground pipelines, facilities, and structures.
- 2.1.3 Work with the City's on call structural engineer to provide geotechnical engineering services of City facilities, infrastructure, and other facilities during the initial assessment/inventory phase of major disaster post-event activities, as well as reports outlined in Section 2.1.1, for those facilities. The consultant may act as a critical workforce member, as requested.
- 2.1.5 Assist the on call structural engineer with limited-scope feasibility assessments.
- 2.1.6 All drilling and sampling operations for both disturbed and undisturbed samples shall be in accordance with recommended ASTM standards and other procedures as necessary to produce the information required for the report(s). The samples shall be preserved and field logs prepared either by a geotechnical engineer or by an experienced soil technician acting under the supervision of the geotechnical engineer.
- 2.1.7 Provide geotechnical design review services for capital projects. Provide general, technical consultation to City staff involved in design review and construction overview of capital projects.
- 2.1.8 As part of this annual contract, the successful proposer may be requested to respond on an emergency basis for foundation assessments immediately after a hurricane or other catastrophic events. The geotechnical engineer will work with the City's on call structural engineer contractor.
- 2.1.9 Attend project coordination meetings when needed.
- 2.1.10 Before commencing any geotechnical investigation the consultant will review and develop the number of borings needed, along with their location and depth.

- 2.1.11 The geotechnical engineer shall contact all utility companies for information regarding buried utilities and structures, shall take all reasonable precautions to prevent damage to property, visible and concealed, and shall reasonably restore the site to the condition existing prior to the geotechnical engineer's entry. Such restoration shall include, but not be limited to:
- a. Backfilling of borings, patching of slabs and pavements, and repair of lawns and plantings.
  - b. Each boring should be plugged temporarily, pending additional groundwater readings if additional groundwater testing is necessary. At the completion of the groundwater readings, the boring shall be permanently plugged, including patching of slabs and pavements if required.
  - c. When subsequent subsidence at the conventional backfilled holes could create a hazard, all boring and coring holes shall be grouted to the surface.
- 2.1.12 Prepare construction cost estimates for foundations.
- 2.1.13 City staff will be responsible for integrating the project specific technical specifications, any supplemental general conditions, and standard City requirements into the final bid package.
- 2.1.14 Attend pre-construction meetings as requested.
- 2.1.15 Conduct third party review of shop drawings, for general conformance with the project design concepts as requested.
- 2.1.16 Conduct construction observations for general conformance with project specifications (i.e. piling driving monitoring).

2.2 **Proposal Format:** Proposals shall be submitted in the following format and include the following information.

- 2.2.1 Detailed description of qualifications, experience, and methodology as requested.
- 2.2.2 Fee Proposals per instructions in Section III signed by the responsible party.
- 2.2.3 Response to Consultant Statement of Qualifications included with this document. Additional information such as agency brochures, resumes, etc. may be submitted as appropriate as well.

2.3 **Basis of Award:** Proposals will be evaluated according to the following criteria and weight at a minimum:

- a) Proposers qualifications and experience, including the following:
  - Education of the principle geotechnical engineer (10 points)
  - Relevant geotechnical experience of firm (10 points)
  - Local experience of principal geotechnical engineer (20 points)
  - Outstanding characteristics/qualifications (5 points)

- Soils testing experience of firm (15 points)
- b) References (10 points)
- c) Local vendor participation (5 points)
- d) Fees (25 points)

Proposals shall be evaluated by a selection committee. The selection committee reserves the right to conduct interviews of any or all proposers as it deems necessary. The City reserves the right to shorten the list of proposers selected for interviews or further evaluation.

The City also reserves the right to request a Best and Final Offer (BFO), and to re-score evaluations based on the BFO. Proposers may be required to provide clarification of their proposal as part of the BFO response.

2.3.1 Due to the scope, complexity, and specialization of the needed services, the City requests each interested firm to closely assess their qualifications as they relate to the following:

- a) The firm shall have established experience performing geotechnical investigations for bridge replacement projects, historical retaining walls, pile systems, and building design projects.
- b) The firm shall have extensive knowledge of soils, types, and properties in the Chatham County area.
- c) The firm shall have the ability to coordinate geotechnical investigation activities with utility companies.
- d) The firm shall have the ability to provide geotechnical investigation reports in accordance with applicable governing codes.
- e) The firm shall have sufficient capacity to provide the requested services in a cost effective, timely, and professional manner.

2.3.2 In evaluating proposals submitted pursuant to this request, the City of Savannah requires the following minimum qualifications of the consultant submitting proposals to be considered for evaluation:

- a) Ten (10) years of experience providing geotechnical engineering services for projects of similar scope, complexity, and visibility.
- b) Project experience within the past five years for each of the following:
  - Three (3) building projects with a minimum of 10,000 square feet.
  - Three (3) projects in a historic structure (buildings, walls, monuments, and memorials).

- Three (3) projects in a structurally deficient building.
- Three (3) projects in a marine environment.
- Three (3) projects on vehicular and/or pedestrian bridges.

c) A list of software and computer models used for geotechnical design.

d) Proposals must have scored a minimum of 50 out of the 70 available points allocated for qualifications and experience and references as outlined in Section 2.3.

2.4 Work performed under the scope of this contract must be performed by, or overseen and certified by, a professional engineer licensed to practice engineering in the State of Georgia.

2.5 All bore holes must be closed with good practice and within all required regulations

2.6 This contract will be utilized for projects under \$25,000.00. The City reserves the right to seek competitive proposals for any and all projects as it deems appropriate. The City reserves the right to award a primary, secondary, and tertiary consultant at its discretion.

2.7 **Fees:** Provide hourly fees for services listed in Section III and for services not specifically listed but that may arise during the performance of work described in Section II. Also include hourly rates of the principal engineer, as well as other levels of engineers/professionals that may be utilized in this contract. While work shall be compensated based on actual staff assigned and their associated contract rates, staff resources shall be economically selected and applied, based on the scope of work, to minimize costs to the City.

2.8 **Additional Costs:** The City will provide access to space in which surveying and investigations are needed; however, the proposer is responsible for providing any non-stationary equipment necessary for access, investigation, and testing. Costs for rented equipment may be included on invoices to the City, if pre-approved by the City, and if original invoices or receipts for such services are provided. All other expenses are to be included in hourly fees, unless pre-approved by the City.

2.9 **Qualifications:** Each proposer shall submit a summary of their qualifications and experience as requested in the attached Statement of Qualifications. Additional information such as agency brochures, resumes, etc. may be submitted as appropriate. In evaluating proposals submitted pursuant to this request, the City of Savannah places high value on the following factors, not necessarily in order of importance:

2.9.1 Work samples that demonstrate:

- Experience designing/analyzing projects of a similar scope, scale, and visibility.
- Quality of work product.
- Client satisfaction.
- Resolution of design and construction problems, including those that may have arisen during

construction and reflecting on the constructability and coordination of the design drawings.

- Experience working with multiple clients/institutions.
- The consultant meets or exceeds the minimum qualifications listed under Section 2.3 - Basis of Award.

2.9.2 Experience of firm and employees, particularly the engineer of record, to be assigned to the project in general and in particular, providing consulting services to municipalities, economic development organizations, or other governmental entities.

2.9.3 Innovative or outstanding work by the consultant that demonstrates the firm's unique qualifications to provide consulting services.

2.9.4 Approaches in methodology with respect to the anticipated scope of services that demonstrate maximum comprehension of and ability to provide such services to the City.

2.9.5 The selected consultant's staff ability, availability, and facility for working with the City directors, officers, staff, and consultants, and for providing time-sensitive, on-site visits.

2.9.6 The consultant's prior working experience with the City, including, but not limited to, project communication, documentation of existing conditions, adherence to schedule and budget, quality of construction documents, and construction administration.

2.10 **References:** The proposer shall furnish references from accounts worked within the past three years of similar size and magnitude for the same type of system proposed. References shall include a contact person and phone number. Failure to provide suitable references may be cause for rejection of the proposal.

2.11 **Contract Term:** This contract will be for a period of one (1) year with an option to renew for four (4) additional one year periods at the same terms and conditions upon agreement of both parties.

2.12 **Insurance and Certificate of Insurance Requirements**

**The Mayor and Aldermen of the City of Savannah should be a CERTIFICATE HOLDER**

**Commercial General Liability:**

Limits (or higher):

General Aggregate:	\$2,000,000
Products Completed Operations Aggregate:	\$2,000,000
Each Occurrence Limit:	\$1,000,000
Personal Injury Limit:	\$1,000,000
Damage to Premises Rented to You	\$1,000,000 Any One Event
Medical Expenses	\$ 5,000 Any One Person

Required Endorsements and Certificate of Insurance:

- This policy provides a Waiver of Subrogation endorsement in favor of Mayor and Aldermen of

the City of Savannah its agents and / or employees and must be attached to the Certificate of Insurance.

- This policy provides a thirty (30) day cancellation endorsement in favor of Mayor and Aldermen of the City of Savannah its agents and / or employees and must be attached to the Certificate of Insurance.
- No exclusions for subcontractors
- Includes current operations, ongoing operations and completed operations (no exclusions of these)

**Commercial Auto:**

Limits: \$1,000,000 per Occurrence & Aggregate (Minimum)

Required Endorsements and Certificate of Insurance:

- This policy provides a Waiver of Subrogation endorsement in favor of the Mayor and Aldermen of the City of Savannah its agents and/or employees and must be attached to the Certificate of Insurance.
- This policy provides a thirty (30) day cancellation endorsement in favor of the Mayor and Aldermen of the City of Savannah its agents and/or employees and must be attached to the Certificate of Insurance.

**Workers Compensation & Employers Liability:** (includes coverage for all employees, volunteers and others under your direction and supervision)

Limits:

Part A: Workers Compensation: Statutory (include State of Georgia)

Part B: Bodily Injury by Accident: \$500,000 Each Accident

Bodily Injury by Disease: \$500,000 Policy Limit

Bodily Injury by Disease: \$500,000 Each Employee

Required Endorsements and Certificate of Insurance:

- This policy provides a Waiver of Subrogation endorsement in favor of the Mayor and Aldermen of the City of Savannah its agents and/or employees and must be attached to the Certificate of Insurance.
- This policy provides a thirty (30) day cancellation endorsement in favor of the Mayor and Aldermen of the City of Savannah its agents and/or employees and must be attached to the Certificate of Insurance.

**Commercial Umbrella:**

Limits: \$5,000,000 per Occurrence & Aggregate (Minimum)

Required Endorsements and Certificate of Insurance:

- This policy provides a Waiver of Subrogation endorsement in favor of the Mayor and Aldermen of the City of Savannah its agents and/or employees and must be attached to the Certificate of Insurance.
- This policy provides a thirty (30) day cancellation endorsement in favor of the Mayor and Aldermen of the City of Savannah its agents and/or employees and must be attached to the Certificate of Insurance.

- This umbrella covers over Commercial General Liability, Commercial Auto and Employers Liability (Part B of Workers Compensation)

**Professional Liability:**

Limit: \$1Million per Project

Required Endorsements and Certificate of Insurance:

- This policy provides a Waiver of Subrogation endorsement in favor of the Mayor and Aldermen of the City of Savannah its agents and/or employees and must be attached to the Certificate of Insurance.
- This policy provides a thirty (30) day cancellation endorsement in favor of the Mayor and Aldermen of the City of Savannah its agents and/or employees and must be attached to the Certificate of Insurance.

Other Items Required:

- No exclusions for subcontractors. The City recommends the contractor obtain certificates of insurance from sub-consultants, however, the contractor will ultimately be responsible for any gap in coverage or lack thereof.
- All insurance carriers in the policy/Certificate of Insurance (COI) are required to have an AM Best Rating of A-, IX or better
- The City of Savannah is not responsible for any of the property used in or owned by consultant
- All deductibles in the coverage are the responsibility of named insured on policy
- Any modifications to specifications must be approved by the City.
- This contract requires the consultant to indemnify and hold harmless the City in all consulting work, projects and services provided. The consultant also agrees to indemnify for costs of preparing and defending lawsuits from consulting work, projects and services provided.

2.13 For all services rendered, the consultant shall:

- a) Be responsible for all liability with respect to the full project and shall be the engineer of record, as applicable, for the project.
- b) Be responsible for becoming familiar with all existing conditions that may affect the design and construction of the project.
- c) Be responsible for issuing design documents at each phase of design and construction that are in compliance with all applicable codes, the program, the budget, and the schedule as set forth by the Development Services, Public Works and Water Resources, or the user department. Each design phase submittal shall be dated with the actual submission date and all drawings/documents shall have the same date. Any changes to the schedule must be approved by the City in advance.



- d) Perform a complete review of the documents prior to each phase submission for accuracy, consistency, and compliance with the requirements of this agreement. Submissions that contain obvious errors and omissions, lack coordination between drawings and sub-consultants, and/or do not appear to have been reviewed by someone other than the person preparing the documents may be returned to the consultant and shall be considered incomplete.
- e) Acknowledge the following disclaimer: Any and all documentation provided by the City shall be field verified by the consultant. The City neither certifies nor claims that the information shown represents the existing site conditions. The information shown shall not be used without field verification. In no event shall the owner be liable for any direct, special, or consequential damages from the use of the drawings.

2.14 **Copies:** One (1) unbound, printed, and signed original, and five (5) identical, bound, printed copies of the proposal and supporting documents must be submitted in response to the RFP. All responses must relate to the specifications as outlined.

2.15 **Minority/Woman Business Enterprise Goals:** The City of Savannah has not established a M/WBE goal for the project.

2.16 The City reserves the right to negotiate with the selected proposer the exact terms and conditions of the contract. Submission of a proposal, however, constitutes the proposer's waiver of any right to insist upon the inclusion of any exculpatory provisions in the parties' contract. The City will not enter into any contract that contains exculpatory provisions in favor of the proposer.

**SECTION III  
FEE PROPOSAL**

I have read and understand the requirements of this request for proposal Event # 3587 and agree to provide the required services in accordance with this proposal and all attachments, exhibits, etc. The proposed fee shall include all labor, material and equipment to provide the services as outlined including any travel or per diem expenses and any other miscellaneous expense involved.

<b>Geotechnical Engineering Fees</b>	<b>HOURLY RATE</b>
<b>Principle Geotechnical Engineer/Geologist-GA</b> <i>(Licensed P.E.,P.G., 10+ years of experience, owner/upper management)</i>	\$
<b>Senior Registered Professional Engineer/Geologist – GA</b> <i>(Licensed P.E.,P.G., 7+ years of experience)</i>	\$
<b>Professional Engineer/Geologist-GA</b> <i>(Licensed P.E.,P.G., less than 7 years of experience)</i>	\$
<b>Junior Engineer/Geologist:</b> <i>(Not licensed, Engineer in Training (with EIT) Geologist in Training (with GIT))</i>	\$
<b>Field I Project Engineer</b> <i>(i.e. monitoring pile installation, report writing and field investigation)</i>	\$
<b>Field Technician</b>	\$
<b>CAD/Drafting Technician</b>	\$
<b>Administrative Assistant</b>	\$

Total fees \$ \_\_\_\_\_

**ALL PROPOSERS MUST BE REGISTERED VENDORS ON THE CITY'S WEBSITE. PLEASE REGISTER AT [WWW.SAVANNAHGA.GOV](http://WWW.SAVANNAHGA.GOV). ELECTRONIC SUBMISSIONS WILL NOT BE ACCEPTED.**

Can you meet the insurance requirements as stated in these specifications? \_\_\_\_\_

SUBMITTED BY: \_\_\_\_\_

PROPOSER: \_\_\_\_\_

SIGNED: \_\_\_\_\_

NAME (PRINT): \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY/STATE: \_\_\_\_\_ ZIP \_\_\_\_\_

TELEPHONE: (\_\_\_\_\_) \_\_\_\_\_  
Area Code

FAX: (\_\_\_\_\_) \_\_\_\_\_  
Area Code

**INDICATE MINORITY OWNERSHIP STATUS OF BIDDER (FOR STATISTICAL PURPOSES ONLY):**

**CHECK ONE:**

\_\_\_\_\_ NON-MINORITY OWNED

\_\_\_\_\_ ASIAN AMERICAN

\_\_\_\_\_ AFRICAN AMERICAN

\_\_\_\_\_ AMERICAN INDIAN

\_\_\_\_\_ HISPANIC

\_\_\_\_\_ OTHER MINORITY

\_\_\_\_\_ WOMAN (non-minority)

Describe \_\_\_\_\_

**CONFIRM RECEIPT OF ANY ADDENDA ISSUED FOR THIS BID:**

ADDENDUM \_\_\_\_\_ #

DATE \_\_\_\_\_

## NON-DISCRIMINATION STATEMENT

The prime contractor/bidder certifies that:

- (1) No person shall be excluded from participation in, denied the benefit of, or otherwise discriminated against on the basis of race, color, national origin, or gender in connection with any bid submitted to the City of Savannah or the performance of any contract resulting therefrom;
- (2) That it is and shall be the policy of this Company to provide equal opportunity to all business persons seeking to contract or otherwise interested in contracting with this Company, including those companies owned and controlled by racial minorities, cultural minorities, and women;
- (3) In connection herewith, We acknowledge and warrant that this Company has been made aware of, understands and agrees to take affirmative action to provide such companies with the maximum practicable opportunities to do business with this Company;
- (4) That this promise of non-discrimination as made and set forth herein shall be continuing in nature and shall remain in full force and effect without interruption;
- (5) That the promises of non-discrimination as made and set forth herein shall be and are hereby deemed to be made as part of and incorporated by reference into any contract or portion thereof which this Company may hereafter obtain and;
- (6) That the failure of this Company to satisfactorily discharge any of the promises of non-discrimination as made and set forth herein shall constitute a material breach of contract entitling the City of Savannah to declare the contract in default and to exercise any and all applicable rights and remedies including but not limited to cancellation of the contract, termination of the contract, suspension and debarment from future contracting opportunities, and withholding and or forfeiture of compensation due and owing on a contract.

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Signature

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Title

**PROPOSED SCHEDULE OF M/WBE PARTICIPATION**

Any M/WBE listed in this completed form must be certified by the City of Savannah and/or other certifying agency such as USDOT, GDOT, SBA 8(a) or GMSDC prior to the due date of this bid. Proof of M/WBE certification such as a certificate or letter from the certifying agency is required to accompany the bid. A firm that has submitted an application for M/WBE certification or an application for M/WBE certification under review but has not been certified is not qualified as a certified M/WBE and will not be recognized as such during the City's evaluation process.

Name of Proposer: \_\_\_\_\_

Event No. 3587

Project Title: \_\_\_\_\_

**NOTE: Unless certified through the City of Savannah's MWBE Program, proof of MWBE certification must be attached to this completed form for all firms listed in the table below.**

Name of M/WBE Participant	Name of Majority Owner	Telephone	Address (City, State)	Type of Work Sub-Contracted	Estimated Sub-contract Value	MBE or WBE	City Certified Y or N
					%		
					%		
					%		
					%		
					%		
					%		

MBE Participation Value: \_\_\_\_\_ %

Women Participation Value: \_\_\_\_\_ %

**The undersigned will enter into a formal agreement with the M/WBE Subcontractors/Proposers identified herein for work listed in this schedule conditioned upon executing of a contract with the Mayor and Aldermen of the City of Savannah.** The Prime's subcontractors' subcontractors must enter into a formal agreement with the tier subcontractor identified herein for work listed in this schedule. It is the responsibility of the Prime contractor to ensure compliance by all subcontractors.

**Joint Venture Disclosure**

If the prime bidder is a joint venture, please describe below the nature of the joint venture and level of work and financial participation to be provided by the Minority/Female joint venture firm.

Joint Venture Firms	Level of Work	Financial Participation

Printed name (company officer or representative): \_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_ Email: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

*NOTE: The Minority/Women Owned Business Office is available to assist with identifying certified M/WBEs. Please contact the M/WBE Office at (912) 652-3582. The City of Savannah's certified M/WBE registry is posted on its website @ [www.savannahga.gov](http://www.savannahga.gov).*

## STATEMENT OF QUALIFICATIONS

Name of Firm: \_\_\_\_\_

Address: \_\_\_\_\_

1. Name of primary Geotechnical Engineer of Record:
  
2. Education of the primary Geotechnical Engineer of Record:
  
3. Relevant experience of the primary Geotechnical Engineer of Record with the submitting firm:
  
4. Please provide the current and past five-year average number of staff employed in the consultants offices where principal staff for the proposed project is located.

	Current	5 Year Average
a. Engineers	_____	_____
b. Engineering Technicians	_____	_____
c. Clerical	_____	_____
d. Other	_____	_____

5. How long has your firm been engaged in the architect/engineering profession?
  
6. List job titles and qualification of all associates who will be working on this project:
  
7. Describe any outstanding characteristics of the organization and any other qualifications which especially qualify you as consultants or enable your organization to render distinctive service.
  
8. Provide information and documentation for the principal(s) Georgia Professional License(s) including types, numbers and dates of issuance.
  
9. Please complete the attached chart of similar projects which your firm has completed during the past five years, giving date of contract, name of project, location of project, describe scope of work, name of Owner's contact and phone number, and size of project. Provide construction estimate of each project and final cost.
  
10. Would any of the project be sub contracted? If so, please complete a chart for all sub-consultants to be used and provide the same information requested in item 9 for each sub-consultant.

11. List any professional awards which have been made to your firm or to members of your firm who will participate in the proposed project: (for similar projects)
  
12. State the extent to which your firm is a local, small, women-owned, or minority business enterprise. Provide the same information for any sub-consultants you may use:
  
13. If your firm has found it necessary to enter into litigation with an owner or contractor, please indicate the case or cases, the reason for, and the results of the litigation.
  
14. What are the limit of your Errors and Omissions Insurance?  
  
What is the deductible?
  
15. Describe your team's knowledge of soil properties in the Savannah area.
  
16. Describe your team's methodology for approaching geotechnical work.
  
17. Describe your firm's willingness, ability, and qualifications to respond in an emergency as a first responder (damage assessment, safety assessment). Include emergency contact information including names of contact persons, cell phone numbers, or other office locations that may be utilized if the firm is a local Savannah firm and must evacuate.

(Signed) \_\_\_\_\_

Firm \_\_\_\_\_

**PROJECT EXAMPLES FOR GEOTEHCINCAL ENGINEER**

	<b>PROJECT NAME</b>	<b>DATE (2010-2015)</b>	<b>OWNER NAME &amp; PHONE NUMBER</b>	<b>DESCRIPTION OF PROJECT (construction type, square footage, features)</b>	<b>SERVICES PROVIDED</b>
	<b>BUILDINGS LARGER THAN 10,000 SQUARE FEET</b>				
1					
2					
3					
	<b>PROJECTS IN A HISTORIC STRUCTURE (BUILDINGS, WALLS, MONUMENTS, MEMORIALS)</b>				
1					
2					
3					
	<b>PROJECTS IN A STRUCTURALLY DEFICIENT BUILDING</b>				
1					
2					
3					
	<b>MARINE PROJECTS</b>				
1					
2					
3					
	<b>VEHICULAR AND/OR PEDESTRIAN BRIDGES</b>				
1					
2					
3					

SOFTWARE AND MODLES USED BY GEOTEHCINCAL ENGINEER

SOFTWARE/MODEL NAME	MANUFACTURER	HOW OFTEN IS IT USED?	PURPOSE & FUNCATION OF SOFTWARE/MODEL
PLEASE PROVIDE MORE IF NECESSARY			



PRICE LIST FOR TESTING SERVICES  
THESE FEE WILL NOT BE PART OF THE FEE SCORING

<b>Geotechnical Testing</b>	<b>EST. QUANT</b>	<b>UNIT</b>	<b>UNIT PRICE</b>	<b>TOTAL</b>
<b>Standard Test Method for High-Strain Dynamic Testing of Deep Foundations ASTM D4945 - 12</b>	<b>1</b>	<b>Each</b>		<b>\$ -</b>
<b>Standard Penetration Test and Split Barrel Sampling, ASTM D1586</b>	<b>1</b>	<b>LF</b>		<b>\$ -</b>
<b>Auger and Dynamic Cone Penetrometer</b>	<b>1</b>	<b>Each</b>		<b>\$ -</b>
<b>CBR, Soils in Place, ASTM D4429</b>	<b>1</b>	<b>Each</b>		<b>\$ -</b>
<b>Plate Load Test, ASTM D1196 (Set of 4 test locations on a site)</b>	<b>1</b>	<b>Set</b>		<b>\$ -</b>
<b>Vibration Monitoring Seismometer</b>	<b>1</b>	<b>HR</b>		<b>\$ -</b>
<b>Seismometer Technician</b>	<b>1</b>	<b>HR</b>		<b>\$ -</b>
<b>Static Pile Load Test ASTM D-1 143 (Quick Test)</b>	<b>1</b>	<b>Each</b>		<b>\$ -</b>
<b>Mobilization of CPT/Boring Rig</b>	<b>1</b>	<b>Each</b>		<b>\$ -</b>
<b>CPT (Electronic Piezocone Penetrometer) ASTM D6067</b>	<b>1</b>	<b>LF</b>		<b>\$ -</b>
<b>Soil Investigation and Sampling by Auger Boring, ASTM D1452</b>	<b>1</b>	<b>LF</b>		<b>\$ -</b>
<b>Dynamic Pile Load Testing (PDA)</b>	<b>1</b>	<b>HR</b>		<b>\$ -</b>