



**SUPPLEMENTAL QUESTIONS**  
**OUC 52000 - Bridge Program**

Consultant Name: \_\_\_\_\_ Date: \_\_\_\_\_

- All Supplemental Questions must be answered for each Numbered Service checked off in **Section 5 Services Requested for Prequalification Consideration** on the Application.
- There is a bookmark navigation panel to the left. To navigate to a set of Supplemental Questions, click on the “plus sign” next to the applicable Service Number then answer each question.
- If a Service Number checked off in Section 5 of the Application is not listed in the Table of Contents below or on navigation panel, there are no Supplemental Questions for that Service Number.

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**Supplemental Question(s) for 804.10 Geotechnical Investigations and Engineering Services**

1. Provide a description of at least three (3) AASHTO LRFD bridge and highway projects which highlight your firm's recent experience. Experience in the following areas are of interest: (1) foundations constructed on soft, compressible soils; (2) ground improvement for mitigation of liquefaction; (3) lightweight fills; (4) accelerated bridge construction (5) soil and rock slope stabilization designs.

**Note: A separate attachment to the submittal email is acceptable for this question. (Limit 6 pages)**

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2. Organizational Structure and Overall Project Management Approach

Provide an organization chart or list of key personnel to be assigned to contract projects, and the location of the office where these people work. Personnel who will perform the following functions are of interest:

- a. Geotechnical exploration inspection/monitoring
- b. Geotechnical engineering analyses
- c. Design quality control and quality assurance
- d. Geotechnical project management, budgeting and scheduling
- e. Geotechnical construction support

Describe approach to coordinating the activities above with general civil firms.

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3. Geotechnical Exploration Programs

Describe your firm's approach to develop, coordinate, conduct and inspect/monitor geotechnical field exploration programs. If drilling services are subcontracted, provide the name of drilling subcontractor and examples of projects for which they provided services.

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4. Geotechnical Laboratory Services

Describe your firm's approach to develop, coordinate and conduct geotechnical soil and rock lab testing. If geotechnical soil and rock lab testing services are subcontracted, provide the names and services of those testing labs.

5. Automated Boring Log Drafting and MicroStation Capabilities

The Department requires the use of GeoSystem Logdraft for automated boring log drafting and the generation of boring log sheets for contract plans. Describe your approach to automated boring log drafting.

Describe your approach to coordinating with general civil firms to acquire Microstation bridge design files for the purpose of generating the Boring Location Plan sheets and Interpretive Subsurface Profile sheets for geotechnical reports and Contract Documents.

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6. Geotechnical Construction Support and Instrumentation Programs

Briefly describe your firms experience and capabilities in the following areas.

- a. Development and conduct of foundation construction quality control programs for unconventional fill embankments and ground improvement programs;
- b. Development and conduct of field QC programs for the installation and testing of driven piles, drilled shafts, rock anchors, soil anchors and micropiles;
- c. Design, installation, monitoring and interpretation of geotechnical instrumentation.

**Supplemental Question(s) for 805.00 Geophysical Services**1. Geophysical Testing Experience & Capabilities

Describe your firm's ability to develop, conduct, interpret and document geophysical investigations using ground penetrating radar (GPR), cross hole seismic, seismic refraction, pulse-echo, borehole acoustic/optical televiewer (ATV/OTV), etc.

Provide a description of geophysical program for bridge and highway projects completed in the last five years that highlight your firm's experience in any of the following areas:

- a. determining unknown bridge foundations
- b. determining the location of underground structures and utilities
- c. qualification of sinkholes and subsurface anomalies
- d. reinforced concrete bridge deck and bridge substructure condition evaluations
- e. bedrock profiling and contour plans for highway and bridge projects
- f. integrity testing of old pile foundations, including timber piles
- g. integrity testing of drilled shafts

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