

# **PENNSYLVANIA TURNPIKE COMMISSION**

## **RETENTION OF AN ENGINEERING FIRM**

Open End Contract  
Geotechnical-Engineering Services  
Systemwide

### **Reference No. 2-075**

The Pennsylvania Turnpike Commission will retain an engineering firm for an Open-End Contract for various geotechnical-engineering services on various projects over the entire Turnpike system. This contract will be for a period of three (3) years or \$750,000.00, whichever occurs first.

The firm may be required to perform, but will not be limited to, the following geotechnical engineering services: review geotechnical work performed by private engineering firms; perform geotechnical design for Commission designed projects; prepare scopes of work; investigate slope movements and other geologic hazards for future programming; install and/or monitor geotechnical instruments; provide geotechnical consultation during and after construction; provide drilling inspection in accordance with PennDOT Design Manual Part 4 / Publication 293 qualifications and criteria; provide emergency response to geologic hazards; review and comment on Commission procedures and documents; investigate stability of retaining systems; develop specifications; prepare cost estimates; prepare, using DARWin software, and review pavement designs; respond to requests from construction and maintenance for various types of investigations; perform stability analyses of slopes and retaining structures; prepare erosion and sedimentation plans; perform scour analyses and develop remedial solutions; perform settlement analyses and develop remedial solutions; review contour grading plans; review value engineering proposals; prepare prints and information required for a value engineering review; prepare geotechnical engineering reports; attend field views and prepare minutes; prepare submissions for field view meetings; perform field reconnaissance; plot topography and cross sections; and attend coordination and status meetings with Commission personnel and prepare meeting minutes.

In most cases, the Commission will provide drilling and sampling services through separate open-end drilling contracts. The Consultant may be required to inspect these operations or have a presence in the Commission's office to provide the necessary assistance required. The firm may be required to let separate contracts for drilling and will be required to have soil, rock and water testing capabilities including resilient modulus testing. The soil and rock testing must be performed at an AASHTO Materials Reference Laboratory (AMRL) accredited laboratory and the water testing must be performed at a Pennsylvania Department of Environmental Resources certified laboratory. Some tests may be required to be performed under a HASP.

The firm may be required to perform two-dimensional resistivity surveys utilizing computerized multiple-electrode (more than four) systems. Data collected must be analyzed using finite element or finite difference two-dimensional modeling programs.

Environmental related work may include, but not be limited to, the following; perform geotechnical investigations under a Health and Safety Plan; develop Health and Safety Plans (HASP) for projects; develop remediation for acid mine drainage (AMD) problems; review preliminary area reconnaissance (PAR'S), initial site assessments (ISA'S), preliminary site investigations (PSI'S), detailed site investigations (DSI'S), and waste management plans.

The format and content of all documents, plans and specifications will be consistent with applicable State and Federal regulations and guidelines.

The geotechnical, geological and engineering services identified above are the general work activities that can be expected under this Open-End Contract. A more specific and project-related scope of work will be outlined for each individual Work Order developed under this Open-End Contract.

The following factors will be considered by the Commission during the evaluation of the firms submitting Letters of Interest for these projects:

- a. Specialized experience and technical competence of prime consultant and subconsultants. The Team must clearly demonstrate an ability to analyze available data to make decisions and develop documents to complete the project in a timely and cost effective manner.
- b. Past record of performance with respect to cost control, work quality, ability to meet schedules and previous experience on similar projects. The consultant should identify similar projects that have been completed by that firm as the prime, the magnitude of the project, and the client.
- c. The specific experience and number of individuals who constitute the firm.
- d. Workload of the prime consultant and subconsultants for all Pennsylvania Department of Transportation and Pennsylvania Turnpike Commission projects.
- e. Other factors, if any, specific to the project.

Address these items and any necessary further details in a brief yet comprehensive manner in the letter of interest.

Questions and inquiries concerning this Project should be directed to Mr. Kenneth M. Heirendt, P.G., Pennsylvania Turnpike Commission, Western Regional Office, at 724/755-5187 or by e-mail at [kheirend@paturndpike.com](mailto:kheirend@paturndpike.com). Direct contractual questions to George M. Hatalowich at (717) 986-8737; or by e-mail at [ghatalow@paturndpike.com](mailto:ghatalow@paturndpike.com).

## **GENERAL REQUIREMENTS AND INFORMATION**

Firms interested in providing the above work and services are invited to submit a Statement of Interest with the required information. The Statements of Interest must include the following:

1. One page transmittal letter clearly identifying the project reference number, brief description of the project from the advertisement, the firm's federal identification number, the firm's legal name, contact person or project manager, address of corporate office and project office. (If the firm has multiple offices, the location of the office performing the work must be identified).
2. A three (3)-page expression of interest on the advertised project. Each firm should demonstrate their ability to perform the specific requirements indicated for each project and provide explanation of the technical approach.
3. An organization chart for the Project, identifying key personnel and any subconsultants and their roles. Any deviation from the subconsultant's listed in the statement of interest will require written approval from the Commission.

4. Tabulation or listing of workload for the prime consultant and all subconsultants for all Pennsylvania Department of Transportation and Pennsylvania Turnpike Commission projects. Do not graphically represent the firm's workload.
5. A Consultant Qualification Package similar to the one submitted to the Pennsylvania Department of Transportation for the current year or one that is best suited for this project. A copy of the Consultant Qualification Package printed directly from PaDOT's ECMS website is acceptable.

The Consultant Qualification Package should contain, at a minimum, the following information for the prime consultant and all subconsultants and attached to the back of the statement of interest (subs to follow primes) The Consultant Qualification Packages should be kept as brief as possible. Only include pertinent information as it relates to the following:

- ECMS General Information and Project Experience Forms or Standard Form (SF) 254 or 330 Architect-Engineer and Related Services Questionnaire in its entirety, either not more than one (1) year old as of the date of the advertisement.
- Resumes of key personnel expected to be involved in the project. (Limit to two (2) 8 1/2 x 11 pages, per person). Only resumes of key personnel should be included.
- Copy of the firm's registration to do business in the Commonwealth as provided by the Department of State for firms with out-of-state headquarters or corporations not incorporated in Pennsylvania.
- A copy of the Department's DBE/WBE Certification, if applicable.

A firm that responds to this solicitation as a prime may not be included as a designated subconsultant to another firm that responds to the same solicitation. Multiple responses under any of the forgoing situations will cause the rejection of all responses of the firm or firms involved. This does not preclude a firm from being set forth as a designated subconsultant to more than one prime consultant responding to the project advertisement.

Small firms, Disadvantaged Business Enterprise (DBE) firms, and other firms who have not previously performed work for the Commission are encouraged to submit a statement of interest.

Firms interested in performing the above services are invited to submit one (1) copy of a statement of interest and required information to Mr. George M. Hatalowich, Manager of Contract Administration, at the **PA Turnpike Commission Administration Building located at 700 South Eisenhower Boulevard, Middletown, PA 17057 (Street address). Our mailing Address is P. O. Box 67676, Harrisburg, PA 17106-7676.**

The statement of interest and required information must be received by 12:00 PM (noon), Local Time, **Friday, June 10, 2005**. Any statements of interest received after this date and time will be time-stamped and returned.

Based on an evaluation of acceptable statements of interest received in response to these solicitations, one (1) firm will be selected for this contract. The order of preference will be established for the purpose of negotiating an agreement with the highest ranked firm established by the Technical Review Committee and approved by the Commission. Technical Proposals will not be requested prior to the establishment of the final ranking.

The Commission may revise a published advertisement. If the Commission revises a published advertisement less than ten days before the Statement of Interest due date, the due date will be extended to maintain the minimum ten-day advertisement duration if the revision alters the project scope or selection criteria. Firms are responsible to monitor advertisements to assure the Statement of Interest complies with any changes in the published advertisement.

The Commission reserves the right to reject all statements of interest, to cancel solicitation requested under this notice, and/or to re-advertise solicitation for the work and services.

Mitchell Rubin  
Chairperson