

PENNSYLVANIA TURNPIKE COMMISSION

RETENTION OF A MAPPING FIRM

Open End Contract Aerial Mapping Services Systemwide

Reference No. 3-202

The Pennsylvania Turnpike Commission will retain an aerial mapping firm for Open End Contracts to provide analytical aerial triangulation, digital and conventional map compilation, cross section readout, mapping control surveys and conventional map drafting services. The Contract will be for mapping services throughout the entire Pennsylvania Turnpike System. The contract will be for a maximum cost of \$900,000.00, or for a period of three (3) years, whichever occurs first.

The mapping work must be performed in accordance with the requirements of applicable sections of the latest edition of the "Specifications For Aerial Photography, Field Control Surveys, and Topographic Mapping" contained in Form 442, PA Department of Transportation, Bureau of Design Specifications For Consultant Engineering Agreements and/or the "Surveying And Mapping Manual", Publication 122M, Pennsylvania Department of Transportation, Bureau of Design, as directed by the Commission. The services will encompass a wide range of design related mapping efforts with the possibility of several different types of survey projects under short simultaneous completion schedules.

The firm may be required to provide digital data in AutoCAD, DXF, ARC/INFO and Microstation formats; provide topographic mapping, GIS data, digital orthophoto mapping; provide high and/or low altitude photography for high accuracy aerial surveys; provide DTM and DEM collection; and Light Detection and Ranging (LIDAR) mapping.

The firm will provide analytically determined supplemental mapping control points meeting Commission specifications and a captured points file of existing roadway centerline in ASCII format. Map compilation may be in digital format with drafting by automated processes. Translation capability to other CADD systems will be required.

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

- a. Specialized experience and technical competence of prime consultant and subconsultants. Firms should have prior experience in large-scale GPS Photo Control surveys, large-scale photogrammetric mapping, high and low altitude photography for high accuracy aerial surveys for highway design and LIDAR mapping. Firms must have multiple GPS dual frequency receivers and be experienced in setting Primary Control Monuments for NGS Blue Booking. Digital electronic leveling is required for establishing Permanent Benchmarks and Mapping Control Point elevations.
- 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. Firms should have sufficient qualified permanent full-time personnel to complete mapping assignments with short delivery schedules utilizing current state-of-the-art photogrammetric and surveying instruments, equipment and software.

- d. Location of consultant's office where the work will be performed.
- e. Workload of the prime consultant and subconsultants for all Pennsylvania Department of Transportation and Pennsylvania Turnpike Commission projects.
- f. 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. Bradley J. Heigel, P.E., at 717/939-9551, Extension 5591, or by e-mail at bheigel@paturnpike.com. Direct contractual questions to Mr. Donald S. Klingensmith, P.E. at (717) 939-9551, X-5850; or by e-mail at dklingen@paturnpike.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 (SF) 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.

Firms interested in performing the above services are invited to submit one (1) copy of a statement of interest and required information to Mr. Donald S. Klingensmith, P.E., Manager of Contracts Administration, at the Pennsylvania 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. **Please note that use of U.S. Mail delivery does not guarantee delivery to this address by the time listed below for submission. Firms mailing proposals should allow sufficient delivery time to ensure timely receipt of their proposals.**

The statement of interest and required information must be received by 12:00 PM (noon), Local Time, Wednesday, July 29, 2009.. 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.

Allen Biehler
Chairperson