

# **PENNSYLVANIA TURNPIKE COMMISSION**

## **RETENTION OF AN ENGINEERING OR CONSTRUCTION MANAGEMENT FIRM**

**Construction Inspection / Project Management Services  
Roadway and Bridge Reconstruction, Mileposts 99 – 109 and  
Improvements to Somerset Interchange  
Westmoreland and Somerset Counties**

### **Reference No. 1-156**

The Pennsylvania Turnpike Commission will retain an Engineering or Construction Management firm to provide Construction Inspection/Project Management services and as-directed Pre-construction Services for roadway and bridge reconstruction projects between mileposts 99 and 109, and the Somerset Interchange improvements in Westmoreland and Allegheny Counties, Pennsylvania. The agreement will include services during both the design and construction phases. Where appropriate, the design phase will include tasks relating to design constructability, bidability reviews, project scheduling, meeting attendance and bid packaging. Construction phase tasks will include construction inspection, management, administration, documentation and project close out services.

Construction of this section is anticipated to include one early action bridge replacement construction contract, two mainline construction contracts and improvements to the Somerset Interchange at a total estimated cost of approximately \$166,000,000.00.

The first construction contract, known as Early Action # 2, is for the design-build replacement of bridges carrying Bakersville – Edie Road, SR 4001 and Husband Road, SR SR4009 over the Turnpike mainline at Mileposts 103.47 and 108.17 and is anticipated to begin construction spring 2012 with a completion date of summer/fall 2013. Bakersville – Edie Road will be reconstructed under a detour and will be rebuilt along its existing alignment. Husband Road will be rebuilt off alignment to the west of the existing bridge location and includes the construction of new roadway approaches. Also included in this project is the elimination of the bridge carrying Marlwood Road, T-448, over the Turnpike at MP 108.01.

The first mainline construction contract is for the design-bid-build reconstruction and widening of the Turnpike mainline from Milepost 99 to 102 and is anticipated to begin construction spring 2014 with a completion date of fall 2015. Final design of this project is currently ongoing and is anticipated to be bid as a full depth bituminous pavement.

The second mainline construction contract for is for the design-bid-build reconstruction and widening of the Turnpike mainline from Milepost 102 to 109 and is anticipated to begin construction spring 2016 with a completion date of fall 2017. Final design of this project is currently ongoing and is anticipated to be bid as a full depth bituminous pavement.

The mainline projects will include the replacement and/or widening of mainline bridges and culverts at various locations throughout the project limits. In addition, the projects include retaining walls (4) and sound walls (1).

Mainline structure replacement and widenings:

- MP 99 – 102
  1. B-912, MP 101.8, Arch Culvert Extension – Clear Run
  
- MP 102 – 109
  1. B-914, MP 102.32, Arch Culvert Extension – Tributary to Clear Run
  2. B-915, MP 102.97, Arch Culvert Extension – Clear Run
  3. B-207, MP 104.13, Arch Culvert Extension –Crab Run
  4. B-316, MP 104.82, Slab Bridge Replacement w/ Box Culvert– Tributary to Laurel Hill Run
  5. B-315, MP 106.03, Box Culvert Extension – Trib. to Quemahoning Creek
  6. B-342, MP 108.73, Slab Bridge Replacement w/ Box Culvert– Trib. to Coxes Creek

Construction of the Somerset 5-Legged Intersection Improvement project will provide improvements to the existing 5-legged intersection located adjacent to the Commission's Somerset Interchange Toll Plaza. This project includes modifications to the PTC's access road from the Toll Plaza to SR 0601, including the alteration to or construction of approximately 4500' of local roadway and a 47' single span spread box beam bridge structure will be built upon H-piles. Actual construction is anticipated to commence in Spring of 2012 and continue through Fall of 2012. The total estimated cost of construction is approximately \$6,000,000.00. Final Design is currently underway.

The Consultant Agreement is anticipated to start in January 2012 and terminate in March 2018.

We anticipate that the selected firm will provide a field staff of approximately twelve (12) to fifteen (15) full time on-site construction inspection personnel consisting of a resident level inspector, CDS technician and a varying number of additional inspectors, contingent upon the contractor's work activities. Additional inspection personnel may be required to cover multiple shifts by the contractor. The selected firm is expected to participate in the remaining design and project development meetings and provide constructability reviews, schedule reviews and similar preconstruction tasks as-directed. During the construction phase, the selected firm will be required to attend the prebid meetings and preconstruction conferences, write all project correspondence, and review and approve selected contractors' submissions. In addition, the selected firm will be required to keep records utilizing the Turnpike's Construction Documentation System (CDS) to document the construction progress. The selected firm will also be expected to prepare current and final estimates for payment to contractors, prepare change orders, conduct monthly job conferences, monitor monthly progress, provide liaison with affected utilities, communities and the press, conduct semifinal and final inspections, and determine the final quantities for each contract item. Public relations will be an important part of the Somerset Interchange Improvement Project. Effectuated agency coordination prior to and during construction may also be required. Project close-out activities, including as-built notation, and merging and purging of office and field files, will be required.

The selected firm will be required to invoice in an electronic PDF format. The firm will also be required to submit a QA plan for their services and provide a quarterly report on this function.

The Commission currently utilizes a web based project management collaboration system for most of its projects. The selected firm will be required to use this system, with training and software access provided by the Commission.

Please note that the selected consultant, its subconsultants, and affiliated companies, cannot bid on any portion of the construction for this project.

It should be noted that the PTC may assign its field inspection personnel to this project as an addition to the selected firm's staff or in lieu of selected firm's inspection staff on a temporary or permanent basis throughout the life of this project. The selected firm will be required to make the field office trailer and equipment available for use by the Commission's personnel.

Eighty percent (80%) of the inspection staff assigned to this Commission construction project must meet any one of the following requirements:

1. Be certified by the National Institute for Certification in Engineering Technologies, (NICET) as a Transportation Engineering Technician - Construction Level 2 or higher
2. Be registered as a professional engineer by the Commonwealth of Pennsylvania with one (1) year highway inspection experience acceptable to the Commission.
3. Be certified as an Engineer-in-Training by the Commonwealth of Pennsylvania with two (2) years of highway inspection experience acceptable to the Commission.
4. Hold a Bachelor of Science Degree in Civil Engineering or Civil Engineering Technology with two (2) years of highway inspection experience acceptable to Commission.
5. Hold an Associate Degree in Civil Engineering Technology with three (3) years of highway inspection experience acceptable to the Commission.

The remaining twenty percent (20%) assigned to this project shall meet the following education and experience requirements:

Education - Graduation from High School or equivalent certification. Completion of a training program in construction inspection approved by the Commission may be substituted for High School graduation.

Experience - One (1) year of experience in construction inspection or workmanship which requires reading and interpreting construction plans and specifications, or one (1) year of experience in a variety of assignments involving the testing of materials used in highway or similar construction projects. A two (2) to four (4) year engineering college degree may be substituted for one (1) year of experience.

A periodic report will be required to document the qualifications of the inspectors working on the project.

The following factors are listed in order of importance and will be considered by the Commission during the evaluation of the firms submitting Statements of Interest for this project:

- a. The team's experience managing and inspecting multiple large-scale staged roadway and bridge construction projects with major traffic control considerations. The consultant should identify similar projects that have been completed by that firm as the prime, the magnitude of the project, and the client.
- b. The specific abilities, experience, and qualifications of the proposed construction management and inspection staff.
- c. The past record of performance on similar projects with respect to construction cost control, work quality, and ability to meet schedules. Also indicate your experience managing inspection costs. Provide a discussion regarding the effectiveness of your QA Program.
- d. The firm or individual experience with public relations during construction projects.
- e. Workload of the prime consultant and subconsultants for all Pennsylvania Department of Transportation and Pennsylvania Turnpike Commission projects.

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

Questions and inquiries concerning this Project should be directed to Mr. Matthew J. Wagner, P.E., at (717) 939-9551, Ext. 5210, or by email at [mwagner@paturnpike.com](mailto:mwagner@paturnpike.com). Contractual questions should be directed to Mr. Donald S. Klingensmith at (717) 939-9551, ext. 5850; or by e-mail at [dklingen@paturnpike.com](mailto:dklingen@paturnpike.com).

## **GENERAL REQUIREMENTS AND INFORMATION**

Firms interested in providing the above work and services are invited to submit **3 copies** of 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). In addition, identify the CADD format to be used on the project.
2. A five (5)-page (maximum) statement 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 including the roles of each subconsultant and the extent that each subconsultant will be utilized.

3. An organization chart for the Project, identifying key personnel and identifying all subconsultants and their specific assignments. Any deviation from the subconsultants 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 PennDOT'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):

- 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 firm's DBE/MBE/WBE Certification, if applicable.

If a Joint Venture responds to a project advertisement, the Commission will not accept separate statements of interest from joint venture constituents. A firm will not be permitted to submit a Statement of Interest on more than one (1) joint venture for the same project reference number. Also, a firm that responds to a project as a prime may not be included as a designated subconsultant to another firm that responds to the same project advertisement. Multiple responses under any of the foregoing 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.

The Turnpike Commission is committed to the inclusion of disadvantaged, minority, and woman firms in contracting opportunities. The minimum participation level for DBE/MBE/WBEs in this contract will be 10%. Responding firms shall clearly identify in the Statement of Interest the DBE/MBE/WBE firms expected to participate in this contract and shall indicate the intent to maintain the minimum participation level throughout the life of the contract. Proposed DBE/MBE/WBE firms must be certified by the Pennsylvania Unified Certification Program ([www.paucp.com](http://www.paucp.com)) at the time of the submission of the Statement of Interest.

Firms interested in performing the above services are invited to submit one (3) copies of a statement of interest and required information to Mr. Donald S. Klingensmith, P.E., Manager of Contracts Administration, at the PA Turnpike Commission Administration Building. Our ground address for overnight/next-day deliveries is 700 South Eisenhower Boulevard, Middletown, PA 17057. Our mailing address for U.S. Mail is P. O. Box 67676, Harrisburg, PA 17106-7676. Please note that use of U.S. Mail, FedEx, UPS, or other delivery method does not guarantee delivery to this address by the time listed below for submission. Firms mailing a Statement of Interest should allow sufficient delivery time to ensure timely receipt of their Statement of Interest.

The Statement of Interest and required information must be received by 12:00 PM (noon), Local Time, **Thursday, October 20, 2011**. 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 this solicitation, one (1) firm will be selected for this assignment. Statements of Interest will be reviewed, evaluated and rated by a Technical Evaluation Team comprised of qualified personnel. The Technical Evaluation Team will present the evaluations to the Professional Services Procurement Committee (PSPC). The PSPC will establish an order of ranking for the purpose of negotiating an agreement and will recommend the selection of the highest ranked firm for approval by the Commission. Technical Proposals will not be requested before the selection.

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.

William K. Lieberman  
Chairperson