

PENNSYLVANIA TURNPIKE COMMISSION

RETENTION OF AN ENGINEERING OR CONSTRUCTION MANAGEMENT FIRM

**Construction Management Services for
Roadway and Bridge Reconstruction
Northeast Extension, I-476, MP A-031.73 to A-045.50
Montgomery & Bucks Counties**

Reference No. 5-094

DUE DATE REVISED – SOIs DUE by 2pm on Wednesday, July 16, 2014

The Pennsylvania Turnpike Commission will retain an Engineering or Construction Management firm to provide Construction Management (CM) services and as-directed Pre-Construction Services for roadway and bridge reconstruction projects between mileposts A031.73 and A045.50, in Montgomery and Bucks Counties, Pennsylvania. The agreement will include services during both the design and construction phases.

Construction of this section is anticipated to include as many as five early action construction contracts (containing up to six bridges) and four Northeast Extension total reconstruction contracts at a total estimated cost of approximately \$400,000,000.00. Anticipated contracts are described as follows:

1. Bridge No. NB-170, MP A-035.24, carrying SR1016 (Morwood Road) over the Turnpike in Franconia Township, Montgomery County and Bridge No. NB-178, MP A-037.72, carrying T-447 (Clump Road) over the Turnpike in Salford Township, Montgomery County.
 - o Morwood Road Construction: Bridge replacement with a new superstructure to be prestressed concrete bulb-tee girders with the abutments and pier being built upon spread footings founded on rock. The alignment is on a horizontal curve with a local traffic detour.
 - o Clump Road Construction: Bridge replacement with a new superstructure to be prestressed concrete bulb-tee girders with the abutments and pier being built upon spread footings founded on rock. The alignment is on a tangent built with a local traffic detour.
 - o Anticipated Construction Schedule: Bid fall of 2014 for construction 2015
 - o Construction Estimate: \$7,500,000
2. Bridge No. NB-165, MP A-033.88, carrying SR 0113, (Harleysville Pike) over the Turnpike in Franconia Township, Montgomery County.
 - o Construction: Bridge replacement with a new superstructure to be prestressed concrete spread box beams with the abutments and pier being built upon spread footings founded on rock. The alignment is on a tangent built with staged construction. Included with this bridge is an adjacent post and plank wall to support the roadway.
 - o Anticipated Construction Schedule: Bid fall 2015 for construction 2016 thru 2017
 - o Construction Estimate: \$7,000,000
3. Bridge No. NB-205, MP A-040.88, carrying SR 4051 (Trumbauersville Road) over the Turnpike in Milford Township, Bucks County.
 - o Construction: Bridge replacement with a new single span steel girder superstructure with pile supported abutments. The alignment is on a horizontal curve with a local traffic detour.
 - o Anticipated Construction Schedule: Bid fall 2015 for construction 2016
 - o Construction Estimate: \$4,500,000
4. Bridge No. NB-202, MP A-040.12, carrying SR 4033 (Upper Ridge Road) over the Turnpike in Milford Township, Bucks County.
 - o Construction: Two span prestressed concrete bulb-tee beams being built upon spread footings founded on rock. The alignment is on a horizontal curve with a local traffic detour.
 - o Anticipated Construction Schedule: Bid fall 2016 for construction 2017
 - o Construction Estimate: \$4,500,000
5. Bridge No. NB-218, MP A-044.40, carrying SR 4059 (Steinsburg Road) over the Turnpike in Milford

Township, Bucks County.

- o Construction: Bridge replacement with a two span prestressed concrete bulb-tee girder superstructure with pile supported abutments and pier supported by spread footings founded on rock. The alignment is on a horizontal curve with a local traffic detour.
 - o Anticipated Construction Schedule: Bid fall 2015 for construction 2016
 - o Construction Estimate: \$3,200,000
6. Total Reconstruction from MP A-031.0 to A-035.0 will involve bridge replacements and a total reconstruction of the mainline Turnpike.
- o Construction: This project will include one (1) mainline structure (NB-159 carrying the Turnpike over SR 1007, Schoolhouse Road), five (5) culvert extensions (NB-157, NB-162, and NB-163 carrying the Turnpike over Unnamed Tributaries to Skippack Creek, NB-167 carrying the Turnpike over an Unnamed Tributary to Indian Creek, and NB-169 carrying the Turnpike over Indian Creek), and two (2) sound barrier walls (MP A-033.45 NB and A-035.19 SB, both steel posts with caisson foundation). Final Design details have not been developed as of yet.
 - o Anticipated Construction Schedule: Bid fall 2017 for construction 2018 thru 2019
 - o Construction Estimate: \$100,000,000
7. Total Reconstruction from MP A-035.0 to A-038.0 will involve bridge replacements and a total reconstruction of the mainline Turnpike.
- o Construction: This project will include three (3) mainline structures (NB-173 carrying the Turnpike over SR 1018, Creamery Road; NB-174 carrying the Turnpike over the East Branch of the Perkiomen Creek; and, NB-175 carrying the Turnpike over T-439, Dietz Mill Road), one (1) retaining wall (MP A-037.94 NB, MSE Wall), two (2) culvert extensions (NB-176 carrying the Turnpike over an Unnamed Tributary to the East Branch of Perkiomen Creek and NB-179 carrying the Turnpike over an Unnamed Tributary to Ridge Valley Creek) and one (1) sound barrier wall (MP A-036.76 NB steel posts with caisson foundation). Final Design details have not been developed as of yet.
 - o Anticipated Construction Schedule: Bid fall 2019 for construction 2020 thru 2021
 - o Construction Estimate: \$80,000,000
8. Total Reconstruction from MP A-037.5 to A-042.5 will involve bridge replacements and a total reconstruction of the mainline Turnpike.
- o Construction: This project will include three (3) mainline structures (NB-200 carrying the Turnpike over Ridge Valley Creek, NB-204 carrying the Turnpike over Unami Creek, and NB-208 carrying the Turnpike over Schmoutz Creek), two (2) culvert extensions (NB-206 and NB-207 carrying the Turnpike over Tributaries to Unami Creek), and an undetermined number of sound barrier walls and retaining walls. Final Design details have not been developed as of yet.
 - o Anticipated Construction Schedule: Bid fall 2017 for construction 2018 thru 2019
 - o Construction Estimate: \$125,000,000
9. Total Reconstruction from MP A-042.5 to A-045.0 will involve bridge replacements and a total reconstruction of the mainline Turnpike.
- o Construction: This project will include one (1) overhead replacement (staged construction of NB-214 carrying SR 0663, John Fries Highway, over the Turnpike), the reconfiguration and construction of Quakertown Interchange, two (2) mainline structures (NB-211 carrying the Turnpike over SR 4055, Kumry Road, and NB-212 carrying the Turnpike over Molasses Creek), one (1) potential culvert extension (NB-217 carrying the Turnpike over a Tributary to Molasses Creek), the potential widening or replacement of NB-215 carrying the Turnpike over SR 0663 and Molasses Creek, and an undetermined number of sound barrier walls and retaining walls. Final Design details have not been developed as of yet.
 - o Anticipated Construction Schedule: Bid fall 2020 for construction 2021 thru 2022
 - o Construction Estimate: \$75,000,000

The above project information is accurate to the best of our knowledge at the time of this advertisement. Contracts may change in scope, bidding methods, or type of construction as design progresses. The Consultant Agreement is anticipated to start in approximately November 2014 and terminate in May 2023. Project information is also subject to change as designs progress.

This project will require construction management in order to provide cost, schedule and quality control, and to comply with all PA Turnpike, state, and federal highway construction requirements. The agreement will include services during both the design and construction phases. The design phase would include as directed tasks relating to design constructability, cost estimating, value engineering and bidability reviews, project scheduling, meeting attendance, and bid packaging. Construction phase tasks will include

construction management, administration, scheduling, field geotechnical assistance, surveying, environmental monitoring, safety, and public relation services. The Construction Manager will also provide the Resident Engineer level Inspection personnel for the construction contracts as directed. The inspection will be provided by others through separate agreement with the Commission for the various construction contracts, and the construction management team will oversee and manage the construction inspection personnel. The selected firm will be expected to provide extensive coordination efforts between several construction contracts during construction as well as coordination with PennDOT and other agencies or municipalities.

The selected firm will be required to provide full time on-site construction management staff, with sufficient office personnel, managers, engineers, technicians, and clerical staff to support the field functions. Resident Engineers, managing an inspection staff from a different consultant, will also be provided by the construction manager for the construction contracts. The firm will be required to set up a construction management office near the site. The selected firm is expected to participate in the remaining design and project development meetings. The selected firm will be required to attend the pre-bid meetings and preconstruction conferences, write all project correspondence for PA Turnpike signature, and review and approve or coordinate the approval of contractor's submissions. In addition, the selected firm will be required to approve current and final estimates for payment to contractors; negotiate, approve, and process change orders; conduct monthly job conferences; monitor monthly progress; provide liaison with affected utilities, railroads, communities, and the press; conduct semi-final and final inspections; and determine the final quantities for each contract item. The Construction Management team will also be expected to handle public relations activities for the project, which would include but may not be limited to: development and maintenance of a project web site, press conferences, answering customer questions, informational brochures, and other duties as required. Effectuated agency coordination prior to and during construction and full-time environmental monitoring will also be required. Project close out activities, including as-built notation and electronic scanning of the project drawings, 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 Quality Assurance Plan for their services and provide a quarterly report on this function.

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

Resident Engineer level inspectors shall be a registered Professional Engineer or have a NICET IV certification with a minimum of two (2) years of experience in leading construction inspection projects.

GENERAL REQUIREMENTS AND INFORMATION

Firms interested in providing the above work and services are invited to submit three (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 headquarters and project office. (If the firm has multiple offices, the location of the office performing the work must be identified).
2. A five (5)-page (maximum) Statement of Interest on the advertised project. Each firm should demonstrate its 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 organizational 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's Chief Engineer.
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.

6. Location of the firm's headquarters, a listing of all Pennsylvania offices, and number of employees based in Pennsylvania offices.

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) 254/255 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 three (3) 8 1/2 x11 pages, per person). Only resumes of key CM 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.

The Turnpike Commission is committed to the inclusion of disadvantaged, minority, and woman-owned 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) at the time of the submission of the Statement of Interest. Small, disadvantaged, minority, and woman-owned firms as certified by the Pennsylvania Unified Certification Program (www.paucp.com), and other firms who have not previously performed work for the Commission are encouraged to submit a Statement of Interest.

Please note that the selected consultant, its subconsultants, and affiliated companies, cannot bid on any portion of the construction associated with this contract. For additional guidance regarding Engineering Involvement Restrictions, see PennDOT Publication 93, Section 1.5. 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 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.

The following evaluation criteria are listed in order of importance and will be considered by the Commission's Technical Evaluation Team during the evaluation of the firms submitting Statements of Interest for this project:

- a. The CM team's experience managing and inspecting multiple large-scale staged roadway and large complex construction projects. The consultant should identify similar projects that have been completed by that firm as the prime, the magnitude of the project, the location of the project, and the client.
- b. The specific abilities, experience, and qualifications of the proposed construction management and resident engineer level staff as related to large complex roadway and bridge projects.
- 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.
- d. Firm's ability and reasonableness of firm's strategy to ensure a quality product. Provide a discussion regarding the effectiveness of your firm's QA Program.
- e. The firm or individual experience with public relations during construction projects.

Address these items and any necessary further details in a brief yet comprehensive manner in the Statement of Interest. A Statement of Interest submission that includes or considers a firm's cost as a factor will be disqualified.

Questions and inquiries concerning this Project should be directed to Mr. Brian M. Ranck, P.E., at (717) 831-7363, or by email at branck@paturnpike.com. Contractual questions should be directed to Mr. Donald S. Klingensmith at (717) 831-7585; or by e-mail at dklingen@paturnpike.com.

Firms interested in performing the above services are invited to submit **three (3)** copies of a statement of interest and required information to Mr. Donald S. Klingensmith, P.E., Director 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 services does not guarantee delivery to the Contracts Administration Department by the time listed below for submission. Firms mailing a Statement of Interest should allow sufficient delivery time to ensure timely receipt of its Statement of Interest.

The Statement of Interest and required information must be received by the Contracts Administration Department by 2:00 PM, Local Time, ~~Wednesday, July, 2 2014~~ **Wednesday, July 16, 2014**. Any Statements of Interest received after this date and time will be time-stamped and returned. A Statement of Interest submission that includes or considers a firm's cost as a factor will be disqualified.

Based on an evaluation of acceptable Statements of Interest received in response to this solicitation, one firm will be selected by the Commission from this advertisement. Technical Proposals will not be requested before the selection. Statements of interest will be reviewed, evaluated, and rated by a Technical Evaluation Team (TET) of qualified personnel based on the evaluation criteria listed above. The TET will present the evaluations to the Professional Services Procurement Committee (PSPC). The PSPC will review the TET's evaluation and provide the Commission with the firm(s) determined to be highly recommended for this assignment.

The Commission will select the most highly qualified firms for the assignment or the firms whose proposal is determined to be most advantageous to the Commission by considering the TET's evaluation and the PSPC's determination as to each firm's rating. In making the PSPC's determination and the Commission's decision, additional selection factors may be considered taking into account the estimated value, scope, complexity and professional nature of the services to be rendered and any other relevant circumstances. Additional selection factors may include, when applicable, the following: geographic location and proximity of the firm, firm's Pennsylvania presence or utilization of Pennsylvania employees for the assignment; equitable distribution of work; diversity inclusion; and any other relevant factors as determined as appropriate by the Commission

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
Chairman