

**OHIO TURNPIKE AND  
INFRASTRUCTURE COMMISSION**

**REQUEST FOR PROPOSALS ("RFP")  
PROFESSIONAL ENGINEERING AND  
CONSTRUCTION ADMINISTRATION AND INSPECTION SERVICES**

REF: REHABILITATION OF VARIOUS BRIDGES BETWEEN  
MILEPOST 171.1 AND 198.5 (PROJECT NO. 71-14-01) AND  
BETWEEN MILEPOST 200.2 AND 236.7 (PROJECT NO. 71-14-02)  
IN CUYAHOGA, SUMMIT, PORTAGE, TRUMBULL AND MAHONING COUNTIES, OHIO

**PROJECT NOS. 71-14-01 AND 71-14-02**

The Ohio Turnpike and Infrastructure Commission ("Commission") will be issuing a RFP to select up to two (2) qualified firms to perform the professional engineering services that are necessary to investigate the bridges specified within each Project scope, to prepare an engineering report on key deficiencies, to make repair recommendations, to prepare Construction Documents for the repairs, and to perform subsequent construction administration and inspection services. See the Draft Scope of Work enclosed as Exhibit A for the required services.

Any firm interested in submitting a Letter of Interest ("LOI") to respond to the RFP is invited to do so by **2:00 p.m. (E.S.T.), on November 22, 2013**. LOI's should include general information as to why the Firm believes it is qualified to perform the services required for a project of this type. (See Page 2 for further details on contents of the LOI) **One (1) original and three (3) copies of the LOI are required**. Once the Commission has reviewed the LOI's received, it will select several interested and qualified Firms in order to elicit sufficient responses to the RFP. The Selected Firms will then be invited to submit a response to the RFP. The deadline for responses to the RFP is **2:00 p.m. (E.S.T.), on December 17, 2013**.

Interested Firms are advised that, to be considered as a potential respondent to the RFP, a completed Request For Qualifications ("RFQ") package for calendar years 2013-2014 must be on file with the Commission. If a Firm has not already responded to the RFQ, the RFQ package may be obtained from the Commission's Procurement Manager, Kevin Golick.

Firms interested in receiving the RFP may request a draft copy from the Commission's Procurement Manager. Interested Firms may submit specific questions regarding the RFP and/or the LOI requirements. Any questions **shall** be addressed in writing and emailed to: **kevin.golick@ohioturnpike.org**, or faxed to **440-234-0232 Attn. Kevin Golick**. **Please do not contact the Commission by phone. Do not address your questions to anyone other than Mr. Golick.** The final Inquiry Deadline is **5:00 p.m. (E.S.T.), on December 10, 2013**. Answers to all questions will be compiled, and a copy of each question and the Commission's response will be forwarded via email to Firms that so request, and will also be posted on the Commission's Website, **www.ohioturnpike.org**.

LOI's must be received by **2:00 p.m. (E.S.T.) on November 22, 2013** at the following address (LOI's sent via email are not acceptable):

**Ohio Turnpike and Infrastructure Commission  
Attn.: Kevin Golick, Procurement Manager  
682 Prospect Street  
Berea, Ohio 44017**

**LETTER OF INTEREST CONTENT FOR PROJECT NOS. 71-14-01 & 71-14-02  
(Not to exceed ten (10) pages)**

1. List the types/categories of services for which your firm has a current Qualifications Statement on file with the Commission in response to the 2013/2014 RFQ.
2. List each subconsultant proposed for the project, their respective category of service and the percentage of the contract to be performed by each.
3. List the Project Manager and other key staff members including key subconsultant staff. Address the experience of the key staff members on similar projects. Provide only the résumé of the proposed Project Manager. The proposed Project Manager must be a professional engineer registered in the State of Ohio.
4. Provide references from three (3) governmental organizations other than the Commission for similar projects for engineering design and construction administration/inspection services completed in the past five (5) years. For each reference/project listed, provide a contact name and phone number.
5. Describe the capacity of your firm's staff and its ability to perform the work in a timely manner relative to present workload and the availability of assigned staff, and designate whether your firm is proposing to perform one Project or another, or both Projects.
6. Provide a description of your Project approach, not to exceed two (2) pages. Confirm the firm's proposed technical approach, cost containment practices, innovative ideas for this type of project and any other relevant information concerning your firm's qualifications to perform the services contemplated.

Items 1 through 6 must be included in the LOI, which should not exceed ten (10) pages on single sided, 8 1/2" x 11" sheets of paper. To be considered, **one (1) original and three (3) copies of the LOI must be submitted no later than 2:00 p.m. (E.S.T.), on November 22, 2013.**

**EXHIBIT A**  
**DRAFT SCOPE OF SERVICES**  
**PROJECTS 71-14-01 AND 71-14-02**

**PROJECT OVERVIEW**

These Projects include, but are not limited to, the following tasks:

- Performing a site inspection and an engineering investigation of the structural components of all bridges listed in **Exhibit B (Project No. 71-14-01)** and **Exhibit C (Project No. 71-14-02)**. These components include, but are not limited to, the steel superstructure, concrete deck, bearings, parapets, expansion joints and concrete substructure. It is anticipated that each bridge's project limits will be from approach slab to approach slab.
- Performing a load rating of each bridge utilizing the AASHTOWare software, and analyzing the existing structure for inventory and operating levels and Ohio Department of Transportation Legal Loads.
- Preparing an engineering report identifying key deficiencies of each bridge, life expectancy of the each concrete deck, repair recommendations, and a recommended rehabilitation schedule.
- Consulting with the Commission staff on the recommendations, as well as on preparing Standardized Details and/or Special Provisions for the Contract Documents.
- Preparing final Construction Plans and Specifications for bidding.
- Providing services for administering and inspecting construction operations.

**SCOPE OF SERVICES APPLICABLE TO BOTH PROJECTS**

**SITE INSPECTION/ENGINEERING REPORT – PHASE IA**

The complete scope of this Phase for each Project will be further refined at a "Scope of Work" meeting with the Selected Firm(s). A partial scope of this phase for both Projects includes the following:

1. Site inspections and engineering surveys identifying all deficiencies.
2. Bridge Load Rating of the existing condition utilizing AASHTOWare software.

3. Engineering report summarizing the site inspections and engineering surveys, deficiencies, Bridge Load Rating (existing condition), repair recommendations, and estimated costs. The repair recommendations shall include, but not be limited to, repair of deteriorated substructure and superstructure concrete, consideration of replacement of the bearings with elastomeric bearings and the expansion joints with a closed cell preformed expansion joint seal in an elastomeric concrete header, and the consideration of rehabilitation of the deck by hydrodemolition or total deck replacement.

#### **DESIGN/PLAN PREPARATION – PHASE IB**

The complete scope of this Phase for each Project will be further refined at a “Scope of Work” meeting after submission of the engineering report and determination of required repairs/rehabilitation. A partial scope of this phase for both Projects includes the following:

1. Construction Drawings and Contract Documents for bidding. The Construction Drawings and Contract Documents items shall address, but not be limited to, those items listed in the Project Overview
2. Additional Specifications and Special Provisions shall be prepared if not covered by ODOT Specifications and the Ohio Turnpike and Infrastructure Commission’s Special Provisions. Specifications and Special Provisions submitted by the Selected Firm shall include reference to any and all required permits or other approvals necessary to complete the Project.
3. All required Temporary Traffic Control Plans on the Turnpike and the intersecting routes
4. A reasonably accurate construction cost estimate for the Project.
5. Review and evaluation of construction bids received for the Project and submission of a recommendation concerning award to the Chief Engineer.

## **CONSTRUCTION ADMINISTRATION AND INSPECTION – PHASE II**

The Selected Firm(s) will provide services for administering and inspecting construction operations and for executing duties and responsibilities if so designated by the Commission. Construction services for each Project are to include, but not be limited to, the following:

1. Providing a professionally qualified field organization satisfactory to the Commission to observe, inspect and assist in the coordination of the various phases of the construction.
2. Consulting with the Commission on all questions of engineering with regard to construction of the Project.
3. Serving as a liaison and coordinating agency between the Commission, the construction contractor(s) working on the Project, the Testing Laboratory, interested public and private entities and utility owners.
4. Attending and participating in pre-construction and other conferences as requested by the Commission.
5. Observing, coordinating and inspecting Project construction at all times when the construction contractor is on site.
6. Preparing daily inspection reports on forms furnished by the Commission and maintaining detailed Resident Inspector's diaries for each person assigned to the construction project. The originals of the daily inspection reports shall be transmitted to the Commission weekly. The Resident Inspector's diaries shall be furnished to the Commission at the conclusion of the construction project.
7. Maintaining a file of correspondence, telephone conversations and other written documentation concerning construction project activities and authorized design revisions.
8. Reviewing construction contractor payment requests and comparing quantities shown with the summation of quantities noted in the daily inspection reports and with unit prices as included in the contract. Reviewing and commenting on construction progress schedule updates included in the payment requests, and recommending Commission action on each payment request.

9. Preparing change orders and other similar items in accordance with Commission regulations to properly document changed conditions or modified construction activities.
10. Providing negotiation assistance on any construction contractor's claims and recommending action on the resolution of claims.
11. Reviewing the Contractor's fabrication Plans, material and products submittals and brochures and shop drawing submittals. Advising the Commission on the acceptability of such submittals.
12. Conducting progress meetings as required in coordinating all parties involved in the construction project and maintaining scheduled progress.
13. Certifying the accuracy of the final payment quantities and estimate.
14. Preparing Record Plans of the completed construction from information provided by the construction contractor and field records of construction activity. Revisions are to be noted on the original Project tracings.
15. Updating the Bridge Load Rating for the rehabilitated condition (if required), utilizing AASHTOWare software.
16. Preparing the updated/revised BR-87 form
17. Performing the services described for the Engineer in the Contract Documents.

#### GENERAL

Three (3) design reviews are anticipated by the Ohio Turnpike Engineering Staff:

1. At completion of the investigation and evaluation phase
2. At completion of preliminary design.
3. At completion of 100% Plans

Review time will be two (2) weeks for each review

Commission Engineering Staff will be available for ongoing design meetings, as may be required.

Sample Specifications, Ohio Turnpike and Infrastructure Commission Standard Drawings and original Construction Plans are available for inspection at the Ohio Turnpike Administration Building; 682 Prospect Street, Berea, Ohio

**EXHIBIT B**  
**PROJECT NO. 71-14-01 STRUCTURE LIST**

SFN	Milepost	Description	Paint Year	Beams	Spans	Span Type	Mainline/Overpass
1829955	171.1	Highland Drive – CR 74	1992	5	4	S/C/S	Overhead
1829971	171.6	Barr Road – CR 212	?	5	4	Continuous	Overhead
7729502	173.2	OT Ramp over OT – Exit 173	?	7	5	Continuous	Overhead
7729766	180.3	OT Ramp over OT – Exit 180	2008	5	4	S/C/S	Overhead
7729863	183.2	State Route 91 – Darrow Road	2008	10	4	Continuous	Overhead
7729936	184.7	Stow Road – CR 106	1990	5	4	Continuous	Overhead
6700489	187.0	OT Ramp over SR 14 – Exit 187	1993	5	4	Continuous	Ramp
6729320	187.2	OT Ramp over OT – Exit 187	2008	5	4	S/C/S	Overhead
6729479	191.2	Diagonal Road – CR 155	2003	4	4	Continuous	Overhead
6729525	192.4	Coit Road – TR 210	1993	4	4	Continuous	Overhead
6729649	195.2	Millers Corners – Mantua Road – Peck Road – CR 167	1993	4	4	Continuous	Overhead
6729711	197.8	Asbury Road – CR 223	2008	4	4	Continuous	Overhead
6729738	198.5	State Route 700 – Freedom Road	1993	5	4	Continuous	Overhead

**EXHIBIT C**  
**PROJECT NO. 71-14-02 STRUCTURE LIST**

SFN	Milepost	Description	Paint Year	Beams	Spans	Span Type	Mainline/Overpass
6729800	200.2	Slagle Road – TR 231	2003	4	4	Continuous	Overhead
7829388	207.3	State Route 303	2005	5	4	Continuous	Overhead
7829418	207.6	State Route 534	1993	5	4	Continuous	Overhead
7829558	209.2	OT Ramp over OT – Exit 209	1993	5	4	S/C/S	Overhead
7829590	209.6	OT Ramp over State Route 5 – Exit 209	?	5	4	Continuous	Ramp
7829914	214.5	Lyntz-Townline Road – CR 89	2001	5	4	S/C/S	Overhead
7829477	215.0	OT Ramp over OT – Exit 215	1993	5	3	Continuous	Overhead
7829507	216.4	OT Ramp over OT – Exit 216	1993	5	4	Continuous	Overhead
5029384	223.9	Gibson Road – TR 118	1992	5	5	S/C/S	Overhead
5029422	225.0	Herbert Road – CR 110	2005	5	5	S/C/S	Overhead
5029449	225.2	State Route 46 – US Route 62	1999	8	4	Continuous	Overhead
5029465	226.7	Raccoon Road – CR 109	2005	5	5	S/C/S	Overhead
5029481	227.6	US Route 224 – Boardman-Canfield Road	2005	10	5	S/C/S	Overhead
5029864	236.7	Beard Road – CR 167	2003	4	4	S/C/S	Overhead