

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2023-04
Mason | 9-10091 | US-62

This document constitutes a Request for Proposals for a Professional Service Contract from qualified individuals and organizations to furnish those services as described herein for the Commonwealth of Kentucky, Department of Highways.

I. PROJECT DESCRIPTION

County - Mason
Route - US-62
Item No. - 9-10091.00
Project Description - This contract is to provide necessary repair plans with proposal documents for the rehab of the Simon Kenton (081B00041N) carrying US-62x over the Ohio River and CSX Railroad

II. PROJECT INFORMATION

Project Manager - Ashley Graves, P.E.
User Division - Maintenance
Approximate Fee - \$1,500,000 Total – Cost Plus a Fixed Fee
Project Funding - Federal Funds
Project Length - Approximately 0.494 miles

III. PURPOSE AND NEED

To provide rehab repair plans and proposal documents for the Simon Kenton Bridge (081B00041N) near Maysville, Kentucky. Including but not limited to secondary cable replacements, main cable repair, main cable anchor repairs or replacements, and recommended other repairs to bridge.

IV. DBE GOAL

The Consultant team may include a DBE Participation Plan with their Response to Announcement to help the Department meet the 11.95% DBE goal established by FHWA. The plan would demonstrate how DBE companies will be mentored or used to assist in the area(s) pertaining to this contract. If included, an additional page will be allowed in the Project Approach (Section 7) to exhibit this plan. No additional points will be provided in the Evaluation Factors for the DBE Participation Plan.

V. SCOPE OF WORK

One (1) consultant will be selected. The consultant will provide repair or replacement plans and proposal documents for the Simon Kenton bridge at the option of KYTC.

Design services shall include digital files of Microstation/ORD design drawings and final PDFs, for contract ready proposals (CRPs)

The CRP notes shall specify that the Contractors perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2019 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications and the latest Standard Drawings, when possible.

When construction processes incorporate techniques and/or materials required for a repair that are not covered by the Standard Specifications, the CRP will include its own detailed construction and material specifications.

CRP notes shall also include provisions for traffic control, and any other provisions deemed necessary to the contract. The appropriate district office will be consulted when developing Traffic Control plans. Finalized CRP's will be submitted to the Division of Maintenance, Bridge Preservation Branch on paper (8½" x 11" notes, 11"x17" plan sets) and in electronic format. A copy of the engineer's calculations and a cost estimate shall also be submitted as reference support material. Notes and specifications shall be supplied in Microsoft Word format and drawings/plans shall be supplied in accordance with the Department's current CADD Standards for Highway Plans Policy as appropriate.

The firms selected to complete a package shall review the proposal on the Kentucky Transportation Cabinet, Division of Construction Procurement website before the letting and shall be available to answer any questions that may arise on a particular project before a contract is let as well as answering any questions that may arise during the construction phase of the repairs.

VI. SPECIAL INSTRUCTIONS

As determined by the project manager. The Department may modify the selected Consultant Agreement to include additional bridge inspections and/or necessary bridge maintenance engineering services associated with this project should the need arise and funding become available.

The Department may retain any of the advertised services to be performed by in-house state forces.

Instructions for Response to Announcement can be found at:

<https://transportation.ky.gov/ProfessionalServices/Pages/Respond-to-an-Announcement.aspx>

VII. ENVIRONMENTAL SERVICES

The Department is expected to provide any necessary Environmental Services required for the project.

VIII. PHOTOGRAMMETRIC SERVICES

The Department will provide LiDAR digital mapping and is available at [KyFromAbove - Kentucky's Aerial Photography & Elevation Data Program](#). The selected Consultant shall supplement this information with conventional surveying as needed.

IX. STRUCTURE DESIGN

The Consultant is expected to provide any necessary Structure Design required for the project. The design should include all incorporated repairs and any necessary analysis required to show repairs and/or replacement sequences will have no adverse effects on the structure.

X. GEOTECHNICAL SERVICES

Geotechnical services are not anticipated with this project; however, geotechnical services necessary for the completion of anchorage repairs may be added by contract modification at the appropriate time. At any time, if the Department has the capacity to provide these services, the Department may retain the advertised geotechnical services. Prequalification in the area of Geotechnical Services is not required to be identified in the Consultant's Response to Announcement. However, the selected Consultant must obtain the required qualifications before providing these services or bring a prequalified subconsultant at that time.

XI. UTILITIES

The Department will be responsible for determining the existing locations of utilities to determine feasibility of redesign or utility relocation and cost estimates.

XII. PREQUALIFICATION REQUIREMENTS

To respond to this project the Consultant must be prequalified in the following areas by the response due date of this advertisement:

STRUCTURE DESIGN

- Spans Under 500 Feet
- Spans Greater than 500 Feet

Geotechnical Services* (see note below)

- *Geotechnical Engineering**
- *Geotechnical Drilling**
- *Geotechnical Laboratory Testing**

** Note – These prequalifications are not required with the initial proposal as it is uncertain to the extent practicable if they are necessary. Should these services become necessary during the delivery of the project in this or future phases, the selected Consultant team must obtain the required qualifications before providing those services or bring on a prequalified subconsultant at that time.*

Additionally, the consultant project team must meet the following by the response due date of this advertisement:

- Demonstrate experience with performing inspections for NBIS purposes, or demonstrate an understanding of NBIS requirements for such inspections by demonstrating knowledge of the current edition of FHWA Bridge Inspector's Reference Manual (BIRM), the current edition of the AASHTO Manual for Bridge Evaluation, the current edition of the AASHTO Manual for Bridge Element Inspection and the Recording and Coding guide for Structural Inventory and Appraisal of the Nations Bridges, the current edition of the Specifications for the National Bridge Inventory (SNBI); and
- Demonstrate an understanding of the access and traffic control requirements of conducting such inspections by providing a narrative describing what types of access equipment might be required and how traffic control would be handled (which should identify whether these can be provided in house or obtained through other means)
- Have adequate staff, who meet minimum requirements for qualification for Team Leader or Program Manager as set forth in National Bridge Inspection Standards (23 CFR 650 C), to be present in each area of operation during all phases of inspection and condition reporting. (A copy of certificate of successful completion of National Highway Institute following courses or their approved equals: 130055 "Safety Inspection of In-service Bridges" and 130078 "Fracture Critical Inspection Techniques for Steel Bridges", will be required for each Team Leader for inspection).
- Inspector of Record must prove that a comprehensive bridge inspector refresher training has been completed in the last 5 years
- Have all inspection staff trained for element level condition reporting in AASHTOWARE Bridge Management (BrM) software used by KYTC; and
- Have available computer hardware for installation of KYTC's BrM software.
- Have adequate staff, meeting team leader qualifications under NBIS, to perform inspections within prescribed frequencies described in scope of work.
- Have available trained staff for performing Non Destructive Testing (Dye Penetrate and Magnetic Particle)

XIII. PROCUREMENT SCHEDULE

Dates other than Response Date are tentative and provided for information only.

- Advertisement Date: October 11, 2022
- Response Date: November 2, 2022 by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: November 7, 2022
- Final Selection: November 21, 2022
- Pre-Design Conference: November 30, 2022
- Consultant Fee Proposal: December 9, 2022
- Contract Negotiations: December 21, 2022
- Notice to Proceed: January 11, 2023

XIV. PROJECT SCHEDULE

- Provide recommendations for repair and/or replacement to KYTC – October 31, 2023
- Provide proposal package to KYTC for letting – November 30, 2023

XV. EVALUATION FACTORS

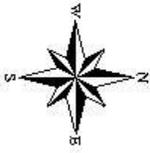
Consultants will be evaluated by the selection committee based on the following weighted factors:

1. Experience preparing design/repair plans and proposal documents for structures more than 500-foot spans and in particular experience with suspension bridges or complex cable bridges, cable anchorages and related problems. (30 points)
2. In-house capability to perform the required services. (20 points)
3. Experience with in-depth and NSTM inspections (10 points)
4. Available team workload capacity to comply with project schedule. (10 Points)
5. Past record of performance on projects similar in type and complexity. (10 Points)
6. Knowledge of the locality and familiarity of the general geographic area. (2 Points)

XVI. SELECTION COMMITTEE MEMBERS

1. Ashley Graves, P.E., User Division
2. Blake Jones, P.E., User Division
3. Larry Krueger, P.E., Secretary's Pool
4. Charlie Dale, P.E., Secretary's Pool
5. R. Bruce Scott, P.E., Governor's Pool

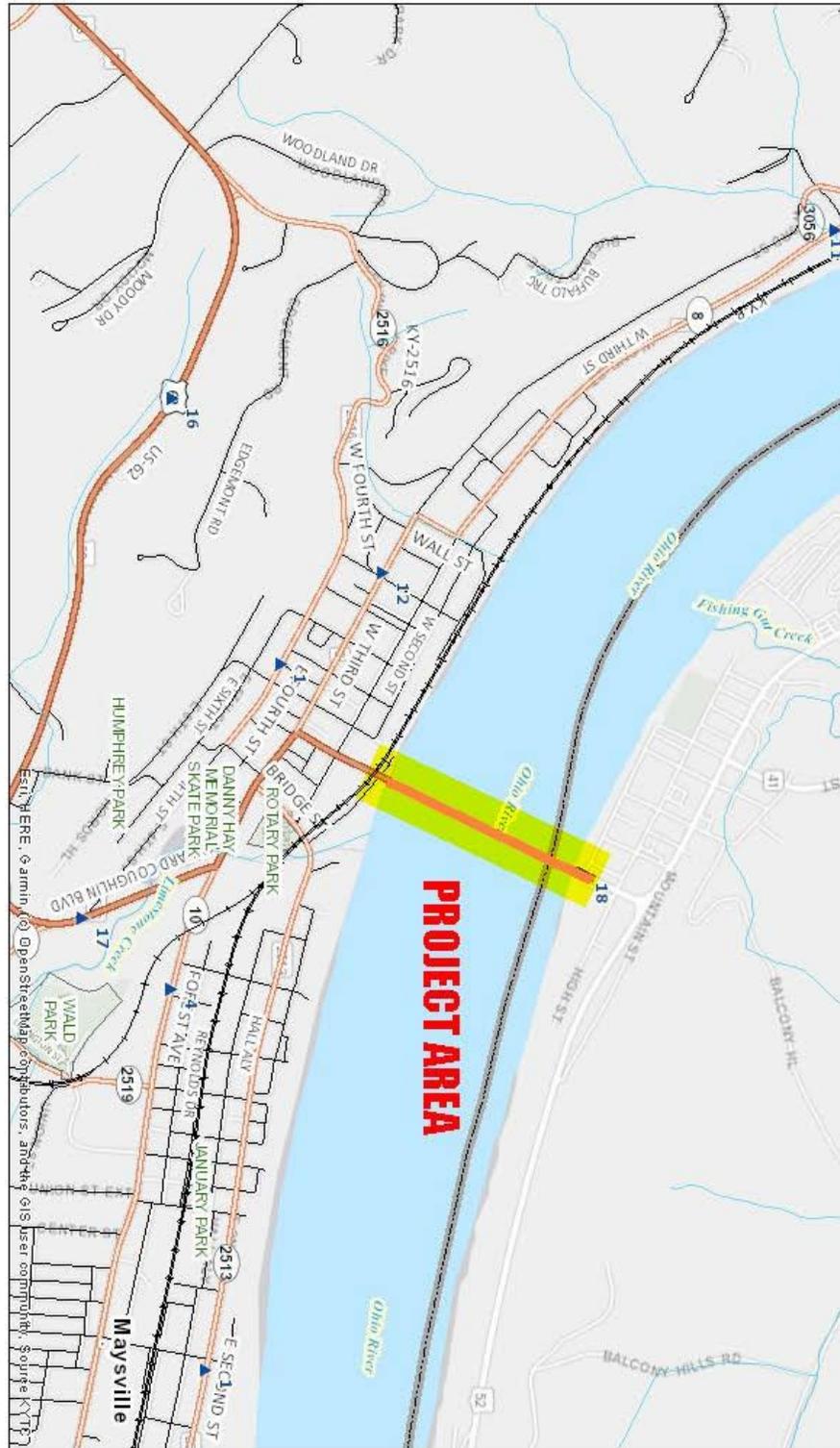
XVII. AREA MAP



US 62
Mason County
Item No. 9-10091.00
Simon Kenton Bridge Rehab Design



Author: Professional Services
Date: 9/28/2022



9-10091 Mason County