

# A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways  
Professional Services Procurement Bulletin 2023-08  
Franklin | 5-10045 | KY-676

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 - Franklin  
Route - KY-676  
Item No. - 5-10045.00  
Project Description - Bridge project in Franklin County on (037B00074N) KY-676 (East-West Connector) at Kentucky River & KY-1263

## **II. PROJECT INFORMATION**

Project Manager - Kameryn Underwood, P.E.  
User Division - Highway Design  
Approximate Fee - \$265,000 Preliminary Engineering & Environmental Services (Lump Sum)  
Project Funding - Federal Bridge Program (FBP Funds)  
Project Length - Approximately 0.16 miles

## **III. PURPOSE AND NEED**

The purpose of this project is to replace the substandard structure (Bridge ID 037B00074N) on KY 676 (East-West Connector) at the crossing of the Kentucky River and KY 1263.

## **IV. DBE GOAL**

The Consultant team shall 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 should demonstrate how DBE companies will be mentored or used to assist in the area(s) pertaining to this contract. An additional page will be allowed in the Project Approach (Section 7) to exhibit this plan. A maximum of four (4) points will be considered in the Evaluation Factors for the DBE Participation Plan.

## **V. SCOPE OF WORK**

The Selected Consultant will be required to provide engineering services to:

- Prepare Preliminary Line & Grade plans, estimates, and DES (Design Executive

Summary) for the replacement of bridge number 037B0074N on KY-676 crossing the Kentucky River and KY-1263.

- Gather survey for the project area.
- Conduct public involvement activities.
- Perform safety and operational performance analyses along the mainline at all intersections within the study area for alternatives presented.
- Preliminary drainage design.
- Preliminary Right-of-Way design.
- Prepare NEPA document and all environmental activities associated with it.
- Cost estimates associated with Phase I Design.
- Cost estimates associated with phase II design, construction segments and estimates.

This project may be advanced to Final Design upon the completion of Preliminary Engineering and the Environmental Services with a Contract Modification. The selected Consultant will then be required to provide engineering services to perform Final Roadway and Structural Design, including the preparation of any design studies, drainage design, right-of-way plans, construction plans, traffic control plans, and cost estimates as well as any other services that KYTC chooses not to perform with in-house forces.

## **VI. SPECIAL INSTRUCTIONS**

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. AVAILABLE STUDIES**

[Bridge Inspection Report - 037B00074N - Franklin | 5-10045 | KY-676](#)

[Final Load Rating - 037B00074N - Franklin | 5-10045 | KY-676](#) \*added 2/20/23

[Final Load Testing Rating - 037B00074N - Franklin | 5-10045 | KY-676](#) \*added 2/20/23

## **VIII. METHOD OF DESIGN**

The selected Consultant shall utilize the most recent CADD Standards for Highway Plans Policy in the development of the highway plans. Refer to the 2019 CADD Standards for ORD V4 Project Development Memo for information pertaining to the latest CADD Standards and plan submittal.

## **IX. ENVIRONMENTAL SERVICES**

Any necessary Environmental Services are expected to be provided by the Consultant. The anticipated environmental document will be a Categorical Exclusion Level 2. Prequalification of various Environmental Services are required to be identified in the Consultant's Response to Announcement.

## **X. PHOTOGRAMMETRIC SERVICES**

The Consultant will provide mapping and will furnish manuscripts in ORD format. Statewide Elevation data and Aerial photography can be found at the following link [KyFromAbove - Kentucky's Aerial Photography & Elevation Data Program](#). The selected Consultant shall supplement this information with conventional surveying as determined during project scoping.

## **XI. STRUCTURE DESIGN**

Structure Design is not anticipated for Preliminary Design. When the project advances to Final Design and if the selected Consultant is retained for Final Design services, the selected Consultant shall do the necessary engineering services to submit to the KYTC an Advanced Situation Folder(s) for the appropriate structure(s). The selected Consultant may be responsible for any necessary Structure Design services. Structure Design of the proposed structure(s) may be added as a Contract Modification. Prequalification in the area of Structure Design is required to be identified in the Consultant's Response to Announcement.

## **XII. GEOTECHNICAL SERVICES**

The selected Consultant may provide all Geotechnical Services required for the project. The Preliminary Design contract may include preliminary geotechnical services to review available geological, mining, or other geotechnical information that could influence the selection of the preferred alternate. Geotechnical services necessary for the completion of Final Design 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.

## **XIII. RIGHT-OF-WAY**

The Department will be responsible for estimating Right-of-Way costs based on plans provided by the consultant. The selected consultant shall identify property owners and perform deed research within the project limits. Property owner information shall be shown on the plans along with existing Right-of-Way and property lines. Final Right-of-Way plans shall be furnished according to the Project Schedule.

## **XIV. TRAFFIC ENGINEERING**

The Department will provide all traffic projections and related information.

## **XV. UTILITIES**

The Department will be responsible for determining the existing locations of utilities to determine feasibility of redesign or utility relocation and cost estimates. The Department will send project location maps to all potential Franklin County utility contacts to determine whether they may have existing utilities within these project limits. The Department will develop the utility contact list. Facility atlas maps received for this project will be provided to the selected consultant. All utilities including aerial carriers shall be field-verified by the consultant. Sizes and types of underground and aerial utilities shall be identified on the roadway plans. Plans shall be provided by the

consultant in both .pdf and .dgn format. These will be distributed by the Department to utility representatives for review and comment.

The Department will authorize B.U.D. (Before You Dig) to field-locate utilities during final design. The consultant shall perform field surveys to collect the B.U.D. data. Horizontal location of existing utilities shown on final plans shall be adjusted as necessary to reflect actual B.U.D. locates.

The selected Consultant shall acquire adequate information regarding existing utility features to determine or assist the Cabinet in determining the extent to which potentially impacted utilities may impact the project budget or schedule. The selected Consultant should be aware of and bring attention to any potential utility impacts that may result in significant cost or time to relocate.

## **XVI. PREQUALIFICATION REQUIREMENTS**

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

### ENVIRONMENTAL & UST SERVICES

- UST & Hazmat Preliminary Site Assessment (Phase 1)

### ENVIRONMENTAL AQUATIC & TERRESTRIAL ECOSYSTEMS ANALYSIS

- Botany
- Terrestrial Zoology
- Wetlands
- Freshwater Macroinvertebrates
- Water Quality

### ENVIRONMENTAL ARCHEOLOGY & OTHER SERVICES

- Air Quality Analysis
- Prehistoric Archaeology
- Socio-Economic Analysis
- Historic Archaeology
- Environmental Document Writing & Coordination
- Cultural-Historic Analysis
- Stream & Wetland Mitigation

### ROADWAY DESIGN

- Rural Roadway Design
- Surveying
- Advanced Drainage Analysis & Design
- Urban Roadway Design

### STRUCTURE DESIGN

- Spans Under 500 Feet

### Geotechnical Services \* (see note below)

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

Transportation Planning \* (see note below)

- Pedestrian & Bicycle Planning & Design\*

\* 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.

**XVII. PROCUREMENT SCHEDULE**

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

- Advertisement Date: February 14, 2023
- Response Date: March 8, 2023 by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: March 13, 2023
- Final Selection: March 28, 2023
- Pre-Design Conference: April 5, 2023
- Consultant Fee Proposal: April 14, 2023
- Contract Negotiations: April 26, 2023
- Notice to Proceed: May 17, 2023

**XVIII. PROJECT SCHEDULE**

Individual project schedules will be by letter agreement or by a project-by-project basis

- Preliminary Line & Grade Inspection July 2024
- Submit DES August 2024
- Submit NEPA Document October 2024

**XIX. EVALUATION FACTORS**

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

1. Project approach and proposed procedures to accomplish the services for the project. (20 Points)
2. Relative experience of consultant personnel assigned to project team with highway project for KYTC and/or federal, local or other state governmental agencies. (15 Points)
3. Past record of performance on projects similar in type and complexity. (15 Points)
4. Capacity to comply with project schedule. (10 Points)
5. DBE Participation Plan. (4 Points)
6. Knowledge of the locality and familiarity of the general geographic area. (2 Points)

**XX. SELECTION COMMITTEE MEMBERS**

1. Kameryn Underwood, P.E., User Division
2. Karl Sawyer, P.E., User Division
3. Amanda Desmond, P.E., Secretary's Pool
4. Larry Krueger, P.E., Secretary's Pool
5. R. Bruce Scott, P.E., Governor's Pool

