

# A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways  
Professional Services Procurement Bulletin 2025-01  
Muhlenberg | 2-80201 | WK-9001

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 - Muhlenberg  
Route - WK-9001  
Item No. - 2-80201.00  
Project Description - Reconstruct the Western Kentucky Parkway interchange at US-431 at Central City

## **II. PROJECT INFORMATION**

Project Manager - George Phelps, P.E.  
User Division - Highway Design  
Approximate Fee - \$500,000 Preliminary Engineering & Environmental Services (Lump Sum)  
Project Funding - SPP (State Funds)  
Project Length - Approximately 1.1 miles

## **III. PURPOSE AND NEED**

The purpose of this project is to improve the interchange at The Western Kentucky Parkway (WK-9001) and US-431. This would include addressing safety, traffic flow, and function of this interchange at US-431.

The need for the project is based on the following existing conditions:

1. The ramps have inadequate acceleration and deceleration lengths for an interstate facility.
2. This interchange has insufficient weaving distance for an interstate facility.
3. This interchange is a high crash rate spot (CRF=5.70 and EEC=8.73)
4. The minimum criteria for interchange control of access was not met at this location due to less than required spacing between the ramp and access point.

## **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**

The selected Consultant will be required to provide engineering services to perform Preliminary Engineering. Preliminary Engineering includes preliminary line and grade plans, traffic engineering analysis as per Design Memo 03-11, preliminary drainage and preliminary structure design, cost estimates, and gathering any necessary survey for the project area.

This project may be advanced to Final Design upon the completion of Preliminary Engineering and 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**

[2020 Western Kentucky Parkway Upgrade Study](#)

A FEMA Flood Map can be accessed here: <https://msc.fema.gov/portal>

## **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. Based on preliminary discussion with the project team and all currently available environmental information for the proposed project location, we anticipate the required environmental document to be no higher than a Categorical Exclusion 2. The final environmental document may be elevated (or reduced) to a different level of environmental documentation if environmental investigation leads to an alternative conclusion or changes in ROW occur. 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**

The Department is expected to provide any necessary Structure Design required for the project.

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 Department is expected to provide all Geotechnical Services required for the project. At any time, if the Department does not have the capacity to provide these services, they may be added by contract modification. Prequalification in the area of Geotechnical Services is not required to be identified in the Consultant's Response to Announcement.

#### **XIII. TRAFFIC ENGINEERING**

The Department will provide all traffic projections and related information.

The selected Consultant will provide the analysis of the existing and proposed operations. Traffic Signal Design and Lighting Design services, if 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 traffic services. Prequalification in the area of Traffic Engineering is not required to be identified in the Consultant's Response to Announcement.

#### **XIV. UTILITIES**

The Department is responsible for providing available information on existing utility facility locations to support the determination of conflicts of the project design with the existing utility facilities. The Department shall cooperatively support the identification of these conflicts. The Consultant shall consider the practical feasibility of utility conflict avoidance, making the necessary adjustments when directed by the Department. Those conflicts determined as unavoidable shall be addressed by the entity charged with utility coordination, be it the Department or Consultant.

The selected Consultant shall provide a project location map to the Department. The Department will send project location maps to all potential utility contacts to determine whether they may have existing utilities within these project limits. The Department will develop the utility contact list. Facility location maps received for this project will be provided to the selected Consultant.

All utilities including underground and overhead facilities within the project scope shall be field-verified by the Consultant. Sizes and types of underground and aerial utilities shall be identified on the plans for each alignment alternative in the PL&G submittal. In addition to survey horizontal location of visible utility features, the Consultant shall provide elevation of accessible manhole tie inverts and overhead low wire elevation.

The Department will submit a design information request ticket from KY811 during final design. The design information request will provide the selected consultant access to utility company supplied facility location data, sourced from KY811 member utility companies. There is no law requiring those utility companies to respond to a design information request with field location of the utilities within the project scope. If field locations are provided, the consultant shall perform field surveys to collect the utility company supplied field data. Horizontal location of existing utilities shall be depicted on final plans, in compliance with Department depiction standards with level of accuracy denoted, and adjusted as necessary to reflect actual field location. It is unlawful to request a normal excavation request ticket if no excavation is transpiring. If additional utility investigation is necessary, the consultant is advised to seek Department consult. Subsurface Utility Engineering (SUE) services may be available via project contract or statewide contract.

The selected Consultant shall acquire adequate information regarding existing utility features to identify existing utility facilities within the project area, document and confirm those that may be negatively impacted by the project. The selected Consultant shall bring attention any potential conflicts with existing utility facilities that may result in significant cost or time to relocate.

## **XV. 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 ARCHAEOLOGY & OTHER SERVICES**

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

### **ROADWAY DESIGN**

- Rural Roadway Design
- Advanced Traffic Engineering Design & Modeling
- Surveying
- Urban Roadway Design

## STRUCTURE DESIGN

- Spans Under 500 Feet

## TRANSPORTATION PLANNING

- Travel Demand & Simulation Modeling

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

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

### Traffic Engineering\* (see note below)

- Electrical Engineering Roadway Lighting\*
- Traffic Engineering\*
- Electrical Engineering Traffic Signals\*

\* 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.

## **XVI. PROCUREMENT SCHEDULE**

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

- Advertisement Date: July 9, 2024
- Response Date: July 31, 2024 by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: August 5, 2024
- Final Selection: August 21, 2024
- Pre-Design Conference: August 28, 2024
- Consultant Fee Proposal: September 6, 2024
- Contract Negotiations: September 18, 2024
- Notice to Proceed: October 9, 2024

## **XVII. PROJECT SCHEDULE**

- Alternatives Review: March 2025
- Preliminary Line and Grade: June 2025

## **XVIII. 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. (40 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. (20 Points)

3. Past record of performance on projects similar in type and complexity. (15 Points)
4. Capacity to comply with project schedule. (15 Points)
5. Knowledge of the locality and familiarity of the general geographic area. (5 Points)

**XIX. SELECTION COMMITTEE MEMBERS**

1. George Phelps, P.E., User Division
2. Kenny Carrico, P.E., User Division
3. Emily Deason, P.E., Secretary's Pool
4. Matthew Sipes, P.E., Secretary's Pool
5. Brian Wood, P.E., Governor's Pool

