

# A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways  
Professional Services Procurement Bulletin 2023-11  
Graves | 1-80202 | KY-121

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 - Graves  
Route - KY-121  
Item No. - 1-80202.00  
Project Description - Address safety and congestion along the KY-121 Bypass corridor

## **II. PROJECT INFORMATION**

Project Manager - Patsy Rawlins, P.E.  
User Division - Highway Design  
Approximate Fee - \$500,000 Preliminary Engineering (Lump Sum)  
Project Funding - STP Funds (Federal Funds)  
Project Length - Approximately 3.439 miles

## **III. PURPOSE AND NEED**

This corridor needs to have the traffic collisions studied as well as the possibilities for continued growth. This is a 55 MPH corridor that connects to two schools, the back side of businesses, two 65 MPH roads and gets the occasional slow driver that causes other drivers to make unsafe choices.

This segment of KY-121 serves as a bypass for Mayfield. There has been an increase in traffic for passengers as well as trucks. With this bypass linking two 65 MPH roads and I-69, it will continue to grow.

## **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**

This segment needs to be studied for a possible passing lane, the potential for innovative intersections, a possible bike lane or multi use path and some sort of roadway expansion.

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

[SUA Study – Graves | 1-80202 | KY-121](#)

## **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 Cabinet; however, the Consultant may be asked to perform some of the environmental services. The anticipated environmental document will be a Categorical Exclusion Level 1. 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 not 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. TRAFFIC ENGINEERING**

The consultant 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.

## **XIV. UTILITIES**

The selected Consultant may be required to provide utility related services for this project, which may include construction inspection.

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. It will be the responsibility of the consultant to have the utilities not on B.U.D. to be located.

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.

## **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:

## ROADWAY DESIGN

- Rural Roadway Design
- Advanced Traffic Engineering Design & Modeling
- Surveying
- Advanced Drainage Analysis & Design

## TRANSPORTATION PLANNING

- Traffic Forecasting
- Traffic Data Collection
- *Pedestrian & Bicycle Planning & Design\** (see note below)

## Environmental Archeology & Other Services\* (see note below)

- *Prehistoric Archaeology\**
- *Highway Noise Analysis\**
- *Historic Archaeology\**
- *Cultural-Historic Analysis\**
- *Environmental Document Writing & Coordination\**
- *Stream & Wetland Mitigation\**

## Geotechnical Services\* (see note below)

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

## Structure Design\* (see note below)

- *Spans Under 500 Feet\**

## Traffic Engineering\* (see note below)

- *Electrical Engineering Roadway Lighting\**

## Utility Design\* (see note below)

- *Electrical Level 1\**
- *Utility Construction Inspection\**
- *Utility Preconstruction Coordination\**
- *Gas Level 1\**
- *Communication\**
- *Water & Sewer Level 1\**

*\* 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: May 9, 2023
- Response Date: May 31, 2023 by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: June 5, 2023

- Final Selection: June 21, 2023
- Pre-Design Conference: June 28, 2023
- Consultant Fee Proposal: July 7, 2023
- Contract Negotiations: July 19, 2023
- Notice to Proceed: August 9, 2023

**XVII. PROJECT SCHEDULE**

- Preliminary Line and Grade Meeting March 2024
- Submit Design Executive Summary April 2024

**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. (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)

**XIX. SELECTION COMMITTEE MEMBERS**

1. Patsy Rawlins, P.E., User Division
2. Karl Sawyer, P.E., User Division
3. Joseph Van Zee, P.E., Secretary's Pool
4. Stephen De Witte, P.E., Secretary's Pool
5. Cindy Evensen, Governor's Pool

**XX. AREA MAP**

**1-80202 Graves County**

