

# A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways  
Professional Services Procurement Bulletin 2023-04  
Graves | 1-80104 | KY-131

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-131  
Item No. - 1-80104.00  
Project Description - Widen KY-131 from MP 0 (KY-58) to MP 4.555 (KY-483)

## **II. PROJECT INFORMATION**

Project Manager - James Tilley, P.E.  
User Division - Highway Design  
Approximate Fee - \$500,000 Preliminary Engineering & Environmental Services (Lump Sum)  
Project Funding - SPP Funds (State Funds)  
Project Length - Approximately 4.555 miles

## **III. PURPOSE AND NEED**

The purpose of the project is to improve mobility, safety and traffic flow on KY-131 between KY-58 and KY-483 while keeping in mind new expansion for continuing the project north in the future.

This segment of KY-131 serves as a link between the eastern portion of McCracken and Mayfield. Within the project there is an I-69 connector. It links houses, business and an airport. Outside of the project, on the north end of the road, is Symsonia Elementary School. The road to the north of I-69 consists of 10-foot lanes. There are vertical curves that will need to be evaluated and a horizontal curve at the end of the project. The south end of the project is a "T intersection" that has a beacon and LED flashing signs that will need to be evaluated.

## **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 conduct Preliminary Engineering studies to identify appropriate typical sections, utility impacts, environmental impacts, and right-of-way impacts for each studied alternate and provide a dependable cost estimate for each studied alternate. The two lane corridor should be examined for widening and possibly adding a third lane or a super 2 (2 lane highway with an intermittent third passing lane). Vertical curve corrections should be evaluated throughout. The intersections at both ends of the project should be evaluated for possible reconstruction and/or improvements.

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**

[Mayfield Small Urban Area study](#)

## **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**

KYTC will retain the environmental services that aren't listed in [Section XV. Prequalification Requirements](#). Any necessary Environmental Services are expected to be provided by the Consultant. 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. The selected Consultant will perform studies needed to ascertain the potential for obtaining environmental documents in a future phase.

## **X. PHOTOGRAMMETRIC SERVICES**

The Department will provide LiDAR digital mapping and will furnish manuscripts on computer disks in DGN format. The selected Consultant shall supplement this information with conventional surveying as needed.

## **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 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 Consultant 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.

## **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 ARCHEOLOGY & OTHER SERVICES

- Prehistoric Archaeology
- Historic Archaeology
- Cultural-Historic Analysis
- *Socio-Economic Analysis\* (see note below)*
- *Highway Noise Analysis\* (see note below)*
- *Environmental Document Writing and Coordination\* (see note below)*

## ROADWAY DESIGN

- Rural Roadway Design
- Surveying
- *Advanced Traffic Engineering Design & Modeling\* (see note below)*
- *Advanced Drainage Analysis & Design\* (see note below)*

## TRAFFIC ENGINEERING

- Traffic Engineering
- *Electrical Engineering Roadway Lighting\* (see note below)*
- *Electrical Engineering Traffic Signals\* (see note below)*

## TRANSPORTATION PLANNING

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

## UTILITY DESIGN

- Utility Preconstruction Coordination
- *Utility Construction Inspection\* (see note below)*
- *Electrical Level 1\* (see note below)*
- *Gas Level 1\* (see note below)*
- *Communication\* (see note below)*
- *Water & Sewer Level 1\* (see note below)*

### Structure Design\* (see note below)

- *Spans Under 500 Feet\**

*\* 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: 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

**XVII. PROJECT SCHEDULE**

- Preliminary Line and Grade Meeting June 2023
- Submit Design Executive Summary July 2023

**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. Knowledge of the locality and familiarity of the general geographic area. (2 Points)

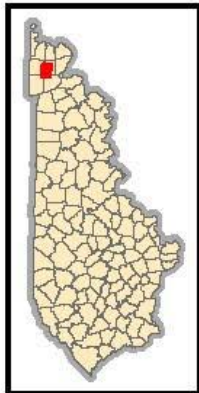
**XIX. SELECTION COMMITTEE MEMBERS**

1. James Tilley, P.E., User Division
2. Karl Sawyer, P.E., User Division
3. Stephen De Witte, P.E., Secretary's Pool
4. Charlie Dale, P.E., Secretary's Pool
5. Cindy Evensen, Governor's Pool

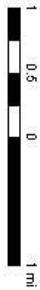
**XX. AREA MAP**



**KY 131  
Graves County  
Item No. 1-80104.00  
Widen KY 131**



**Author: Professional Services  
Date: 9/28/2022**



1-80104 Graves County