

# A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways  
Professional Services Procurement Bulletin 2022-04  
Boone | 6-80102 | KY-3060

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 - Boone  
Route - KY-3060  
Item No. - 6-80102.00  
Project Description - Address safety and congestion on KY-3060 (Frogtown Road) and widen to 4 lanes

## **II. PROJECT INFORMATION**

Project Manager - Ellen Gregory, P.E.  
User Division - Highway Design  
Approximate Fee - \$700,000 Preliminary Engineering & Environmental Services (Lump Sum)  
Project Funding - State Funds (SPP Funds)  
Project Length - Approximately 2.726 miles

## **III. PURPOSE AND NEED**

Boone County is a rapidly growing area, with vast amounts of both residential and industrial development occurring in the vicinity of the project footprint. The existing infrastructure is experiencing difficulty meeting the demand for transportation services. Additionally, KY-3060 has a high LOSS, which translates to a fairly unsafe roadway. The lack of adequate sidewalks in the project area leads to unmet demand by the surrounding residents wishing to utilize the convenient connections provided by KY-3060 to schools located along US-42 in Union. This project would modernize the corridor and update it to current geometric and design standards creating a safer, more reliable link between US-42 and US-25 for all modes of transportation utilized by the growing population in the area.

The purpose of this project is to improve safety, connectivity, and mobility for vehicles, pedestrians, and bicyclists on KY-3060 (Frogtown Road) between US-42 and US-25 by constructing a modern and efficient roadway which better connects residents to businesses and schools in Boone County.

#### **IV. DBE REQUIREMENT**

None

#### **V. SCOPE OF WORK**

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

- Preliminary Line & Grade plans for the redesign of KY-3060 to a modern, urban transportation facility
- Survey will be required
- Conduct public involvement activities
- Traffic Analysis
- Development of Cost estimates associated with Phase I Design
- Identify Right of Way and Utility impacts
- NEPA documentation
- Development of the Design Executive Summary

#### **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**

[DNA Study – Boone | 6-80102 | KY-3060](#)

#### **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 3. Prequalification of various Environmental Services are required to be identified in the Consultant's Response to Announcement.

#### **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 required to be identified in the Consultant's Response to Announcement.

## **XII. GEOTECHNICAL SERVICES**

The Department is expected to provide all Geotechnical Services but the selected Consultant may be asked to provide 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; however, the selected Consultant must obtain the required qualifications before providing these services, or bring a prequalified subconsultant at that time.

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

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 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 plans for each alignment alternative in the PL&G submittal.

The selected Consultant will provide SUE (Subsurface Utility Engineering) work as needed to field-locate utilities. Horizontal and vertical location of existing utilities shown in the roadway plans shall be adjusted by the Consultant as necessary to reflect actual SUE results.

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.

## **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 & UST Services

- UST & Hazmat Preliminary Site Assessment (Phase 1)
- UST Site Investigation (Phase 2)
- Hazmat Site Investigation (Phase 2)

### Environmental Aquatic & Terrestrial Ecosystems Analysis

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

### Environmental Archeology & Other Services

- Air Quality Analysis
- Prehistoric Archaeology
- Socio-Economic Analysis
- Highway Noise Analysis
- Historic Archaeology
- EIS 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

### Transportation Planning

- Traffic Forecasting
- Traffic Data Collection
- Pedestrian & Bicycle Planning & Design

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

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

Traffic Engineering\* (please see note below)

- Electrical Engineering Roadway Lighting
- Electrical Engineering Traffic Signals

Utility Design\* (please see note below)

- Water & Sewer Level 1

\* Note – Geotechnical Services, Traffic Engineering, and Utility Design 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 12, 2021
- Response Date: November 3, 2021 by 4:30 PM ET (Frankfort Time)
- First Selection: November 8, 2021
- Final Selection: November 22, 2021
- Pre-Design Conference: December 1, 2021
- Consultant Fee Proposal: December 10, 2021
- Contract Negotiations: December 22, 2021
- Notice To Proceed: January 12, 2022

**XVII. PROJECT SCHEDULE**

- Preliminary Line and Grade Inspection January 2023
- Environmental Approval March 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. Ellen Gregory, P.E., User Division
2. Amanda Desmond, 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

**XX. AREA MAP**

