

# A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways  
Professional Services Procurement Bulletin 2022-11  
Bullitt | 5-80101 | KY-1450

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 - Bullitt  
Route - KY-1450  
Item No. - 5-80101.00  
Project Description - Improve safety and reduce congestion on KY-1450 (Blue Lick Road) between the intersections with KY-1526 (John Harper Highway) and CR-1512A (Jeffie Lane)

## **II. PROJECT INFORMATION**

Project Manager - Andrew Perez, P.E.  
User Division - Highway Design  
Approximate Fee - \$350,000 Preliminary Engineering (Lump Sum)  
Project Funding - State Funds (SPP)  
Project Length - Approximately 0.648 miles from MP 1.902 to MP 2.550

## **III. PURPOSE AND NEED**

Peak-hour congestion and safety issues have resulted from development in the immediate vicinity. The design should improve safety and reduce congestion along the 0.648-mile section of KY-1450 between mile points 1.902 and 2.550. The design should address the lack of shoulder/recovery area and poor pavement condition, as well as the impedance of traffic due to multiple entrances to commercial and light-industrial developments along the route.

## **IV. DBE REQUIREMENT**

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 needs to 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 (Page 7) to demonstrate this plan. Additional points will not be provided in the Evaluation Factors for the DBE Participation Plan.

## **V. SCOPE OF WORK**

- Prepare Preliminary Line & Grade plans, estimates, QA/QC reports, and DES (Design Executive Summary).
- Gather survey for the project area.
- Analyze existing and proposed traffic, including existing hourly traffic counts, traffic projections, and related information to reduce congestion. Improved access management through increased queuing capacity and/or improved positive guidance is expected. Present the volume analyses used to make geometric decisions.
- Analyze safety and geometrics within the study area to directly address the existing crash trends. Improve roadside safety along the project limits. Widening or replacing the culvert is an option.
- Conduct public involvement activities.
- Perform preliminary drainage design.
- Identify utility impacts.
- Perform preliminary right-of-way design.
- Prepare preliminary intersection operations improvement analysis.
- Develop cost estimates associated with Preliminary Engineering.
- Prepare preliminary Traffic Control plans and initiate coordination if necessary.

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**

[DNA Study – Bullitt | 5-80101 | KY-1450](#)

## **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**

The Department is expected to provide any necessary Environmental Services required for the project.

## **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; however, the selected Consultant must obtain the required qualifications before providing these services or bring on a prequalified subconsultant at that time.

## **XII. GEOTECHNICAL SERVICES**

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 on a prequalified subconsultant at that time.

## **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.

## **XIV. UTILITIES**

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 along with a utility conflict matrix for each alternative identifying conflicts with proposed roadway construction. The selected Consultant may be required to provide utility related services

for this project, which may include preliminary proposed utility alignments of water, sanitary sewer, pole route, and gas main for the estimation of easements.

## **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
- Urban Roadway Design

### TRAFFIC ENGINEERING

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

### TRANSPORTATION PLANNING

- Transportation Planning Engineering
- *Advanced Transportation Planning Engineering\* (see note below)*
- *Pedestrian & Bicycle Planning & Design\* (see note below)*

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

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

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

- *Spans Under 500 Feet*

### Utility Design\* (please see note below)

- *Utility Preconstruction Coordination\**

*\* 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 10, 2022
- Response Date: June 1, 2022 by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: June 6, 2022
- Final Selection: June 22, 2022
- Pre-Design Conference: June 29, 2022

- Consultant Fee Proposal: July 8, 2022
- Contract Negotiations: July 20, 2022
- Notice to Proceed: August 10, 2022

**XVII. PROJECT SCHEDULE**

- Preliminary Line and Grade Meeting June 2, 2023
- Submit Design Executive Summary June 30, 2023
- Preliminary Right of Way Plans July 28, 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. Andrew Perez, P.E., User Division
2. Karl Sawyer, P.E., User Division
3. Larry Krueger, P.E., Secretary's Pool
4. Charlie Dale, P.E., Secretary's Pool
5. Bart Bryant, P.E., Governor's Pool

**XX. AREA MAP**

