

# A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways  
Professional Services Procurement Bulletin 2021-12  
Spencer/Jefferson | 5-8954 | KY-155/55

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 - Jefferson/Spencer  
Route - KY-155/55  
Item No. - 5-8954.00  
Project Description - Construct a 2+1 road on KY 55/155 (Taylorsville Road) in Spencer County and KY 155 (Taylorsville Lake Road) in Jefferson County by adding a continuous third lane that serves as an alternating passing lane

## **II. PROJECT INFORMATION**

Project Manager - Keith Downs  
User Division - Highway Design  
Approximate Fee - \$391,000 (Lump Sum) Preliminary Engineering & Environmental Services  
Project Funding - Federal Funds  
Project Length - Approximately 8.957 miles

## **III. PURPOSE AND NEED**

Nine miles of roadway along KY55/KY155 that connects Spencer and Jefferson Counties has had substantial increase in commuter traffic due to population shifts from city to suburban/rural areas. The purpose of the KY55/KY155 project is to develop a complete roadway that can accommodate the current and future demand of commuter traffic. The need is to develop an alternative that increases capacity, decreases congestion, and provides roadway system completeness for better commuter experience without sacrificing safety.

Goals for the project are to minimize right of way, utility, and environmental impacts.

## **IV. DBE REQUIREMENT**

The Consultant team shall include a DBE Participation Plan with their Response to Announcement. The plan needs to 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 (Page 7) to demonstrate this plan. A maximum of 4 points will be considered in the Evaluation Factors for the DBE Participation Plan.

## **V. SCOPE OF WORK**

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

- Survey will be required
- Prepare Preliminary Line & Grade plans for KY155/KY55
- One alternative will need to be a 2+1 roadway with a continuous 3<sup>rd</sup> passing lane.
- Other spot improvement alternatives
- Conduct public involvement activities
- Completion of the Environmental Document
- Preliminary drainage design
- Preliminary Right-of-Way design
- Cost estimates associated with Preliminary Engineering
- Development of the Design Executive Summary

This Project may be advanced to Final Roadway Design by Contract Modification, which may be added to the contract agreement by a Contract Modification when Preliminary Engineering is complete. Final Roadway Design includes, at a minimum, preparation of drainage design, right-of-way plans, construction plans including storm water construction and post construction Best Management Practices (BMP), signing and pavement marking plans, traffic control plans, final cost estimates, and an anticipated construction schedule.

## **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 - Jefferson/Spencer | 5-8954.00 | KY-155](#)

[Final Roadway Plans – Jefferson | 5-446.00 | KY-155](#)

[Final Roadway Plans – Spencer | 5-476.00 | KY-155](#)

[I-65/I-71 Regional Connector Study | Item No. 5-564](#)

## **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 will be provided by the Consultant. The anticipated environmental document will be a Categorical Exclusion Level 2. 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**

The Department anticipates providing 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. Additionally, the Structure Design of any proposed structure(s) (possible box culvert extension and or retaining walls) 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 Department will provide all Geotechnical Services required for the project. Prequalification in the area of Geotechnical Services is not required to be identified in the Consultant's Response to Announcement.

## **XIII. TRAFFIC ENGINEERING**

The Traffic projections and related information will be provided by the selected Consultant. Existing hourly traffic counts, traffic projections, intersection turning movements, and related information will be provided by the **Department Consultant**. Prequalification in the area of Traffic Engineering is required to be identified in the Consultant's Response to Announcement.

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 areas of Traffic Signal Design and Lighting Design is not required to be identified in the Consultant's Response to Announcement.

## **XIV. UTILITIES**

The Department will be responsible for estimating Utility costs based on plans provided by the consultant. The Consultant will provide a Utility Conflict Matrix at the PL&G meeting. 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. Plans shall be provided by the consultant in both .pdf and .dgn format. The Consultant will make available, through a file sharing platform, the Roadway plans in .pdf and .dgn to the affected utility companies.

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. RIGHT-OF-WAY**

The Department will be responsible for estimating Right-of-Way costs based on plans provided by the consultant. The selected Consultant shall identify property owners and perform deed research within the project limits. Property owner information, including property addresses for each parcel shall be shown on the plans along with existing Right-of-Way and property lines. The selected consultant shall also locate and show septic systems (tank and lateral lines) on the plans. The selected Consultant will supply the Right-of-Way summary showing taking areas and easements needed. Preliminary Right-of-Way plans shall be furnished according to the Project Schedule.

## **XVI. 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)
- Hazmat Corrective Action
- 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
- Socio-Economic Analysis
- Historic Archaeology
- **EIS Writing & Coordination**
- Cultural-Historic Analysis

### Roadway Design

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

### Traffic Engineering

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

### Transportation Planning Services (please see note below)

- *Traffic Data Collection\**
- *Traffic Forecasting\**

### Structure Design (please see note below)

- *Spans Under 500 Feet\**

### Geotechnical Services (please see note below)

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

*\* Note – Transportation Planning, Structural Design, Geotechnical Services, and Roadway Lighting and Traffic Signals prequalifications are not required with the initial proposal as it is uncertain to the extent practicable if they are necessary. Should any of 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.*

## **XVII. PROCUREMENT SCHEDULE**

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

- Advertisement Date: June 8, 2021
- Response Date: June 30, 2021 by 4:30 PM ET (Frankfort Time)
- First Selection: July 6, 2021
- Final Selection: July 21, 2021
- Pre-Design Conference: July 28, 2021
- Consultant Fee Proposal: August 6, 2021
- Contract Negotiations: August 18, 2021
- Notice To Proceed: September 8, 2021

## **XVIII. PROJECT SCHEDULE**

- Preliminary Line & Grade – March 2022
- Submit Design Executive Summary – April 2022
- Preliminary Right of Way Plans – May 2022

## **XIX. 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. Past record of performance on projects similar in type and complexity. (20 Points)
3. Relative experience of consultant personnel assigned to project team with highway project for KYTC and/or federal, local or other state governmental agencies. (10 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)

## **XX. SELECTION COMMITTEE MEMBERS**

1. Patrick Matheny, P.E., User Division
2. Karl Sawyer, P.E., User Division
3. Stephen De Witte, P.E., Secretary's Pool
4. Larry Krueger, P.E., Secretary's Pool
5. Cindy Evensen, Governor's Pool

**XXI. AREA MAP**

