

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2021-05
Jefferson | 5-8908 | KY-155

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
Route - KY-155
Item No. - 5-8908
Project Description - Widen Taylorsville Road to 3 lanes from I-265 to KY-148

II. PROJECT INFORMATION

Project Manager - Keith Downs
User Division - Highway Design
Approximate Fee - \$665,000 (Lump Sum) Preliminary Engineering
Project Funding - Federal Funding
Project Length - Approximately 1.35 miles

III. PURPOSE AND NEED

The purpose of this project is to address various traffic, access, safety, and operational issues along Taylorsville Road from the ramps of the I-265 Gene Snyder Freeway to the intersection of Taylorsville Road and KY-148. While also providing continuity throughout the corridor for roadway users, park users, and residents in eastern Jefferson County.

KY-155 (Taylorsville Road) is classified as a rural minor arterial and the traffic forecast was recently completed where the AADT is 24,000 (2017) and the future AADT is 27,000 (2037). The DHV for 2017 is 2,500 and the DHV for 2037 is 2,850. The existing asphalt roadway width is approximately 22 feet with two feet paved shoulders with rumble strips that has a posted speed limit of 55 MPH.

This project **5-8908.00** is located approximately 14.5 miles southeast of downtown Louisville, the county seat of Jefferson County, on KY-155, and approximately 13.5 miles northwest of Taylorsville, the county seat of Spencer County. KY-155 is a connecting route between Taylorsville and to numerous areas in Jefferson County. Most of the traffic on KY 155 is heading to and from these areas as a part of their daily commute to access hospitals, businesses, schools, shopping, entertainment, and more, as well as access to Taylorsville Lake.

In November 2007, the Final Report was issued for the Taylorsville Road Scoping Study, in which The Kentucky Transportation Cabinet (KYTC) has identified the corridor of Taylorsville Road (KY-155) from KY-148 to Watterson Trail as a road of interest for a scoping study that will evaluate transportation issues along the corridor. The goals and objectives of this study were to consider low-cost short- and long-term solutions that address specific deficiencies as well as broader, more all-encompassing alternatives to improve corridor wide capacity and operations.

The study includes several key intersections that were studied along the corridor, two of which are listed below that fall within the limits of the project:

- Taylorsville Road / KY-148
- Taylorsville Road / South Pope Lick Road

The first improvement has occurred on KY-155 within the project limits, with the reconstruction of the intersection at KY-148 (5-446.00) in 2014. The KY-148 intersection reconstruction provided for both left and right turn lanes on KY-148 and KY-155 with minimal three lane section construction before tying down to the existing width on KY-155.

Another improvement within the project limits is project 5-808.00 currently in final design. As potential cost saving measures the 5-808.00 project will provide the **5-8908.00** ultimate structure over South Pope Lick Creek and add left turn lanes on KY 155 at South Pope Lick Road plus a right turn lane off southbound KY-155 onto South Pope Lick Road. In addition to the 5-808.00 project providing the ultimate bridge width for the **5-8908.00** project, it also realigns the north leg of South Pope Lick Road with the south side, then ties down as soon as possible to the east, just past the gas station. Also deemed as a potential cost saving measure, the ultimate right of way, for the **5-8908.00** project that is impacted in the 5-808.00 project limits, will be acquired.

In accordance with the Transportation Cabinet's policy on Purpose and Need statements, the following goals and objectives were developed to balance environmental and community issues with transportation issues.

- Consider low-cost, near-term solutions to address specific deficiencies as well as broader, more all-encompassing alternates to improve corridor wide operations.
- Consider noise and air quality concerns.

IV. DBE REQUIREMENT

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 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 (Section 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:

- Prepare Preliminary Line & Grade report and plans for the widening of KY-155 from I-265 Gene Snyder ramp to KY-148 or to the northern end of the Floyd Fork Bridge.
- Please note that an alternative will need to be provided within the current budget plan.

- Incorporation/Consideration of the previously constructed intersection improvements at KY-148 and South Pope Lick Road will be required when developing alternatives.
- Consideration for a future shared use path along KY-155 through the section of widened roadway.
- Gather surveying along the corridor for the project. Surveying data from the 5-446.00 project and the 5-808.00 will also be available for use.
- Conduct Public Involvement activities, Stakeholder Coordination.
- Preliminary Drainage design.
- Preliminary Right-of-Way design.
- Cost estimates associated with Preliminary Engineering.

This project may be advanced to Final Roadway Design by Contract Modification. The Department reserves the right to advance the entire corridor to Final Roadway Design or break it into sections for Final Roadway Design. The Department also reserves the right to advertise the entire project or parts thereof for Final Roadway Design.

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

[Taylorsville Road Scoping Study – Summary of Findings and Recommendations](#)

The Final Roadway Plans for the KY 155 @ KY 148 (5-446.00) are available.

[Final Roadway Plans - Jefferson | 5-446.00 | KY-155](#) *hyperlink added

Coordination with the district for the 5-808.00 project currently in Phase II design will be required. The Roadway Plans for 5-808.00 (KY 155 @ South Pope Lick Road) will be provided to the Selected Consultant when the plans become available. Also, the Bridge Plans for 5-808.00 (KY 155 @ South Pope Lick Road) will be provided to the Selected Consultant when the plans become available.

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

The current roadway plans for the KY 155 @ South Pope Lick Road (5-808.00) are not available; however, the selected Consultant is expected to coordinate with the District for plan development.

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 will provide any necessary Environmental Services required for the project. The anticipated environmental document will be a Categorical Exclusion Level 1.

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 will provide 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. 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, the property address 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. Final Right-of-Way plans shall be furnished according to the Project Schedule

XIV. 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. Prequalification in the area of Traffic Engineering is required to be identified in the Consultant's Response to Announcement.

XV. UTILITIES

The Department will be responsible for estimating Utility costs based on plans provided by the

selected Consultant. The Department will send project location maps to all potential Jefferson County 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. For Preliminary Engineering all utilities including aerial carriers shall be field verified by the selected Consultant. Sizes and types of underground and aerial utilities shall be identified for each alignment alternative to assess impacts in the PL&G plans submittal. Also, the selected Consultant shall develop and provide a utility conflict matrix for PL&G alternatives.

The selected Consultant shall provide Plans in both pdf and dgn formats, and these will be distributed by the Department to utility representatives for review and comment.

XVI. PREQUALIFICATION REQUIREMENTS

To respond to this project, the consultant project team must be prequalified in the following areas by the date of this advertisement.

ROADWAY DESIGN

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

TRAFFIC ENGINEERING

- Traffic Engineering Services
- Electrical Engineering Traffic Signal Services
- Electrical Engineering Roadway Lighting Services

TRANSPORTATION PLANNING SERVICES

- ~~Traffic Data Collection~~ **Traffic Data Collection***
- ~~Travel Demand and Simulation Modeling~~
- ~~Traffic Forecasting~~ **Traffic Forecasting***
- Pedestrian and Bicycle Facility Planning and Design

STRUCTURE DESIGN (please see note below)

- *Structure Design – Spans Under 500' **

GEOTECHNICAL SERVICES (please see note below)

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

** Note – Structural design and geotechnical services (as well as Traffic Data Collection and Traffic Forecasting) 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: November 10, 2020
- Response Date: December 2, 2020 by 4:30 PM ET (Frankfort Time)
- First Selection: December 7, 2020
- Final Selection: December 23, 2020
- Pre-Design Conference: December 30, 2020
- Consultant Fee Proposal: January 8, 2021
- Contract Negotiations: January 20, 2021
- Notice To Proceed: February 10, 2021

XVIII. PROJECT SCHEDULE

- Alternate Alignment Review – November 15, 2021
- Preliminary Line and Grade Meeting – March 15, 2022
- Submit Design Executive Summary – April 15, 2022
- Submit Preliminary Engineering Electronic Plans – April 15, 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. 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)

XX. SELECTION COMMITTEE MEMBERS

1. Patrick Matheny, P.E., User Division
2. Patrick Perry, P.E., User Division
3. Joseph Van Zee, P.E., Secretary's Pool
4. Stephen DeWitte, P.E., Secretary's Pool
5. R. Bruce Scott, P.E., Governor's Pool

XXI. AREA MAP

