

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2021-02
Bullitt | 5-347.51 | KY-44 (Old Mill Road)

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-44 (Old Mill Road)
Item No. - 5-347.51
Project Description - Add turn lanes on KY-44 (Old Mill Road) in front of Bullitt East High School and Old Mill Elementary School in Mount Washington

II. PROJECT INFORMATION

Project Manager - Paul Davis, P.E.
User Division - Highway Design
Approximate Fee - \$350,000 Preliminary Engineering & Final Design (Lump Sum)
Project Funding - Federal Funds
Project Length - Approximately 0.38 mile (East Brookepointe Drive to Love Avenue)

III. PURPOSE AND NEED

Improve traffic operation and congestion on KY-44 by constructing turn lanes in front of Bullitt East High School and Old Mill Elementary School. The need is expressed through substandard geometric features and congested traffic operations.

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 (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 project widens KY-44 in front of Bullitt East High School and Old Mill Elementary School to

include a center left turn lane and right turn lanes into the school entrances. This widening is to occur on both sides of KY-44. This project includes replacing an existing Reinforced Concrete Box Culvert (RCBC) under KY-44 near the Elementary School and rebuilding sidewalks in areas where impacted by road widening. The selected Consultant will be required to provide engineering services to develop Preliminary Line & Grade plans and Final plans for this project, which will include the following:

- Perform traffic flow analysis and identify traffic control considerations.
- Gather survey data for the project area.
- Coordinate Highway Design to be compatible with ongoing design projects.
- Culvert replacement (to be designed by Central Office) is to be shown in the plans.
- Develop line and grade plans with typical section.
- Develop Design Executive Summary (DES).
- Identify right-of-way, utility, and drainage issues.
- Conduct public involvement activities.
- Establish and maintain an online file sharing site for access by Utility companies and others.
- Utility coordination and possible mitigation.
- Preliminary and final drainage design.
- Preliminary and final Right-of-Way design.
- Develop plans for possible enhancements to signing and pavement markings.
- Develop final plans and specifications with dependable cost estimates.

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

[Corridor Study Executive Summary – Bullitt | 5-396](#)

[Corridor Study Final Report – Bullitt | 5-396](#)

[Corridor Study Appendix – Bullitt | 5-396](#)

[DNA Study – Bullitt | 5-347.51 | KY-44](#)

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.

IX. ENVIRONMENTAL SERVICES

The Department will provide any necessary Environmental Services required for the project. The

anticipated environmental document will require a Categorical Exclusion Level I.

X. PHOTOGRAMMETRIC SERVICES

The selected Consultant will be required to perform all field survey work necessary to develop final plans. The Department will provide LiDAR digital mapping.

XI. GEOTECHNICAL SERVICES

The Department will provide all Geotechnical Services required for the project.

XII. 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 shall be shown on the plans along with existing Right-of-Way and property lines. Final Right-of-Way plans shall be furnished according to the Project Schedule.

XIII. TRAFFIC ENGINEERING

The Department will provide existing hourly traffic counts, traffic projections, intersection turning movements, and related information. Refer to the KY 44 Corridor Study (Item 05-0396.00) Final Report dated October 2012 from KYTC.

XIV. UTILITIES

The Department will be responsible for estimating Utility costs based on plans provided by the 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. 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 roadway plans. Plans shall be provided by the consultant in both .pdf and .dgn format. These will be distributed by the Department to utility representatives for review and comment.

The Department will authorize B.U.D. (Before You Dig) to field-locate utilities. The consultant shall perform field surveys to collect the B.U.D. data. Horizontal location of existing utilities shown on final roadway design plans shall be adjusted as necessary to reflect actual B.U.D. locates.

The Department may authorize Subsurface Utility Engineering (SUE) to field locate utilities based on locations provided by the consultant. Horizontal and vertical location of existing utilities shown in the final roadway design plans shall be adjusted by the consultant as necessary to reflect SUE results provided by the Cabinet.

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
- Surveying
- Urban Roadway Design

Traffic Engineering

- Traffic Engineering

XVI. PROCUREMENT SCHEDULE

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

- Advertisement Date: August 11, 2020
- Response Date: September 2, 2020 by 4:30 PM ET (Frankfort Time)
- First Selection: September 9, 2020
- Final Selection: September 23, 2020
- Pre-Design Conference: September 30, 2020
- Consultant Fee Proposal: October 9, 2020
- Contract Negotiations: October 21, 2020
- Notice To Proceed: November 11, 2020

XVII. PROJECT SCHEDULE

- Design Executive Summary and Preliminary Line & Grade plans – February 2021
- Preliminary Right-of-Way and Utility Plans – April 2021
- Submit plans for Joint Utility Inspection – September 2021
- Submit plans for Joint Inspection – November 2021
- Submit Final Right-of-Way plans – January 2022
- Submit Plans for Constructability Review – April 2022
- Submit Final Check prints – June 2022
- Final Plans – August 2022

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. (15 Points)
5. DBE Participation Plan. (4 Points)

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

XIX. SELECTION COMMITTEE MEMBERS

1. Paul Davis, P.E., User Division
2. Patrick Perry, P.E., User Division
3. Larry Krueger, P.E., Secretary's Pool
4. Charlie Dale, P.E., Secretary's Pool
5. John Greenwell, P.E., Governor's Pool

XX. AREA MAP

