

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2024-10
Jefferson | 5-972 | US-42

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 - US-42
Item No. - 5-972.00
Project Description - US-42 safety and mobility improvements from Harrods Creek Bridge to River Road

II. PROJECT INFORMATION

Project Manager - Carl Jenkins, P.E.
User Division - Highway Design
Approximate Fee - \$830,000 Preliminary Engineering & ~~Environmental Services~~ (Lump Sum)
Project Funding - STBG (Federal Funds)
Project Length - Approximately 0.92 miles

III. PURPOSE AND NEED

The purpose of this project is to reduce traffic congestion, enhance mobility, and improve safety along US-42 from Harrods Creek Bridge to River Road. The need for the project is generally derived from traffic congestion that occurs currently on US-42 combined with the projected future traffic volumes. US-42 through Prospect is a 4-lane facility that currently accommodates in excess of 24,000 vehicles per day, and is functionally classified as an "Urban Minor Arterial". This section of US-42 not only services the commercial developments of Prospect, but also serves as an arterial for the commuting traffic between Louisville and surrounding counties such as Oldham County. The majority of the US-42 traffic passing through the project limits. However, traffic is often stopped due to turning vehicles and rear end crashes are common and can be expected to increase as traffic volumes increase. In addition to meeting the purpose of the project, other project goals is to gather and consider public opinion about the roadway and its use. Aesthetic aspects of the corridor are to be considered as well as improving mobility for all users (vehicular, pedestrian and bicycle traffic).

IV. DBE GOAL

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 should 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 exhibit this plan. A maximum of four (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 Preliminary Roadway design ~~and Environmental Services~~, including the preparation of engineering studies, identification of appropriate typical sections, identifying any utility impacts, performing preliminary structure and drainage design, developing dependable cost estimates, conducting and preparing documents for public meetings, and traffic ~~forecast and~~ modeling.

This project may be advanced to Final Design upon the completion of Preliminary Engineering and Environmental Services 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

[Prospect Corridor Study Documents – Jefferson | 5-214 | US-42](#)

NOTE: Page 3 (17) of this study references other completed planning studies in this area. The URL address for the other studies is at the bottom of the page.

[Design Executive Summary 1-11-11 VOIDED – Jefferson | 5-972 | US-42](#)

[Joint Inspection Plans 6-21-12 VOIDED – Jefferson | 5-972 | US-42](#)

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 Consultant will provide mapping and will furnish manuscripts in ORD format. Statewide Elevation data and Aerial photography can be found at the following link [KyFromAbove - Kentucky's Aerial Photography & Elevation Data Program](#). The selected Consultant shall supplement this information with conventional surveying as determined during project scoping.

XI. GEOTECHNICAL SERVICES

The Department is expected to provide all Geotechnical Services required for the project. At any time, if the Department does not have the capacity to provide these services, they may be added by contract modification. Prequalification in the area of Geotechnical Services is not required to be identified in the Consultant's Response to Announcement.

XII. RIGHT OF WAY SERVICES

The Department is expected to provide any necessary Right of Way Services required for the project.

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 (or team member) must have completed the KYTC Utility Coordination Training & Certification course offered through UK/KTC to meet qualifications. The selected Consultant 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 Level B SUE (Subsurface Utility Engineering) work as needed to field-locate utilities during Phase I. The Department will perform Level A SUE work as needed to field-locate utilities during Phase II and provide this information to the Consultant. 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 selected Consultant will identify existing significant utility facilities that may be impacted. The extent to which any existing significant utility facilities may be impacted by any proposed project and any significant adverse effects on the project budget or schedule of any such impacts should be documented.

The selected Consultant shall acquire adequate information regarding existing utility features to determine or assist the Cabinet in determining the extent to which potentially impacted utilities may impact the project budget or schedule. The selected Consultant will prepare conflict matrices for utility impacts. The selected Consultant will prepare one utility conflict matrix for each alternate under consideration for the PL&G inspection. The selected Consultant will also prepare a utility conflict matrix for the Joint Inspection. The selected Consultant should be aware of and bring attention to any potential utility impacts that may result in significant cost or time to relocate.

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

TRANSPORTATION PLANNING

- Pedestrian & Bicycle Planning & Design
- Traffic Forecasting* (*see note below*)
- Traffic Data Collection* (*see note below*)
- Travel Demand & Simulation Modeling* (*see note below*)
- Road Centerline Data Collection* (*see note below*)

Utility Design* (*see note below*)

- ~~Subsurface Utility Engineering~~ **Subsurface Utility Engineering*** (*see note below*)
- *Electrical Level 1** (*see note below*)
- *Electrical Level 2** (*see note below*)
- *Water & Sewer Level 1** (*see note below*)
- *Water & Sewer Level 2** (*see note below*)

Geotechnical Services* (*see note below*)

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

Traffic Engineering* (see note below)

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

* 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: April 9, 2024
- Response Date: May 1, 2024 by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: May 6, 2024
- Final Selection: May 22, 2024
- Pre-Design Conference: May 29, 2024
- Consultant Fee Proposal: June 7, 2024
- Contract Negotiations: June 19, 2024
- Notice to Proceed: July 10, 2024

XVII. PROJECT SCHEDULE

- Preliminary Line & Grade July 2025
- Submit Design Executive Summary August 2025
- Submit Preliminary Right-of-Way Plans September 2025

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. DBE Participation Plan. (4 Points)
6. Knowledge of the locality and familiarity of the general geographic area. (2 Points)

XIX. SELECTION COMMITTEE MEMBERS

1. Carl Jenkins, P.E., User Division
2. Karl Sawyer, P.E., User Division
3. Matthew Sipes, P.E., Secretary's Pool
4. Zachary Neihof, P.E., Secretary's Pool
5. Brian Wood, P.E., Governor's Pool

XX. AREA MAP

Disclaimer: KYTC provides this map as a reference only. Users are to validate information independently.
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