

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2022-02
Logan & Todd | 3-80050 | US-79

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 - Logan & Todd
Route - US-79
Item No. - 3-80050.00
Project Description - Widen US-79 to 4 lanes from Todd County line to intersection with Russellville Bypass. As part of the Highway Plan description, other practical solution alternatives and typical sections will be explored in greater detail. The project termini will begin in Todd County at MP 3.00 near the Kentucky/Tennessee State Line.

II. PROJECT INFORMATION

Project Manager - Stewart Lich, P.E.
User Division - Highway Design
Approximate Fee - \$1,200,000 Preliminary Engineering & Environmental Services (Lump Sum)
Project Funding - Federal Funds
Project Length - Approximately 18.4 miles

III. PURPOSE AND NEED

US-79 from the state line to Russellville is a corridor that is increasing in volume and truck traffic due to current and future industrial development, agricultural practices, and being an arterial that connects Russellville to I-24 and Clarksville, Tennessee. Local officials and project sponsors have indicated that the long-term plan for US-79 is to upgrade it to a truck route. The purpose of this project is to provide a safe and efficient route for freight and local traffic along this corridor with a need to improve any deficient horizontal and vertical geometry and provide typical sections that meets current AASHTO and truck route standards.

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 (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 Preliminary Engineering and Environmental Services. Preliminary Engineering includes line and grade plans, traffic engineering analysis as per Design Memo 03-11, preparation of engineering studies, identification of appropriate typical sections, identifying any utility impacts, performing preliminary drainage design, developing dependable cost estimates and conducting and preparing documents for public meetings.

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 Design, including the preparation of any design studies, 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, and final 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 – Logan & Todd | 3-80050.00 | US-79](#)

[Design Executive Summary – Logan | 3-10010.00 | US-79](#)

[Design Executive Summary – Logan | 3-80100.00 | US-79](#)

[Design Executive Summary – Todd | 3-80102.00 | US-79](#)

There are three active bridge replacement projects located within the proposed corridor that are currently in final design by in-house KYTC design staff. These projects are scheduled to go to construction letting no later than September 2022. The mapping and CADD files will be provided to the selected consultant so that the proposed US-79 widening can be coordinated with these bridge replacements.

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 are expected to 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 consultant will use the statewide LiDAR digital mapping and aerial photography for Preliminary Engineering. The selected Consultant shall supplement this information with conventional surveying as needed.

XI. STRUCTURE DESIGN

Structure Design is not anticipated for this project. However, if structure design is needed 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 a prequalified subconsultant at that time.

XII. GEOTECHNICAL SERVICES

The Department is expected to provide all Geotechnical Services but 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 a prequalified subconsultant at that time.

XIII. TRAFFIC ENGINEERING

The Department is expected to provide all traffic projections and related information. Traffic Engineering Design services 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 area of Traffic Engineering 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 a prequalified subconsultant at that time.

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, performing a level D locate. Sizes and types of underground and aerial utilities shall be identified on the plans for each alignment alternative in the PL&G submittal.

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:

Environmental & UST Services

- UST & Hazmat Preliminary Site Assessment (Phase 1)

Environmental Aquatic & Terrestrial Ecosystems Analysis

- Fisheries
- Botany
- Terrestrial Zoology
- Wetlands
- Freshwater Macroinvertebrates
- Water Quality

Environmental Archeology & Other Services

- Air Quality Analysis
- Prehistoric Archaeology
- Socio-Economic Analysis
- Highway Noise Analysis
- Historic Archaeology
- EIS Writing & Coordination
- Cultural-Historic Analysis
- Stream & Wetland Mitigation

Roadway Design

- Rural Roadway Design
- Surveying

Geotechnical Services (please see note below)*

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

Structure Design (please see note below)*

- *Spans Under 500 Feet*

Traffic Engineering (please see note below)*

- *Traffic Engineering*

* Note – *Geotechnical Services, Structure Design, and Traffic Engineering 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: August 10, 2021
- Response Date: September 1, 2021 by 4:30 PM ET (Frankfort Time)
- First Selection: September 7, 2021
- Final Selection: September 22, 2021
- Pre-Design Conference: September 29, 2021
- Consultant Fee Proposal: October 8, 2021
- Contract Negotiations: October 20, 2021
- Notice To Proceed: November 10, 2021

XVII. PROJECT SCHEDULE

- Conceptual Alternatives Meeting – March 1, 2022
- Public Meeting – April 1, 2022
- Preliminary Line & Grade Inspection – May 1, 2022
- Design Executive Summary – July 1, 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. (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. Stewart Lich, P.E., User Division
2. Tonya Higdon, P.E., User Division
3. David Erickson, P.E., Secretary's Pool
4. Joseph Van Zee, P.E., Secretary's Pool
5. R. Bruce Scott, 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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