

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2024-09
Warren | 3-80214 | KY-101

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 - Warren
Route - KY-101
Item No. - 3-80214.00
Project Description - Construct a two-lane roundabout at the intersection of KY-101 and the I-65 Southbound entrance and exit ramps in Smiths Grove. Widen the existing I-65 Southbound exit ramp to two lanes and extend the beginning point of the ramp approximately five-hundred to one-thousand feet north. Widen approximately five hundred feet of existing KY-101 from the new roundabout north towards Smiths Grove if required by design.

II. PROJECT INFORMATION

Project Manager - Stewart Lich, P.E.
User Division - Highway Design
Approximate Fee - \$450,000 Preliminary Engineering & Environmental Services (Lump Sum)
Project Funding - STP2 & SPP (Federal & State Funds)
Project Length - Approximately 0.65 miles

III. PURPOSE AND NEED

This portion of KY-101 carries a mix of local and regional traffic as it connects Smiths Grove and Scottsville with I-65. It not only serves as a connection for these cities, but also provides access to numerous existing businesses. Historically, commercial vehicles are involved in about one-third of the crashes on KY-101. There are 15 access points on the 0.2-mile section between I-65 and Brown Street. Such a high number of access points increase the frequency of turning vehicles, which creates more conflict points and compromises safety. Between 2017 and 2021, there were 27 crashes on this section of KY-101, 52 percent of which were angle collisions – crash types that are typically attributed to issues related to access. Without improvement, the frequency of these types of crashes is expected to increase as traffic from future development increases. In addition to the construction of Buc-ee's, additional development is likely to occur north of I-65. These developments would further increase traffic turning onto and off KY-101.

The purpose of the KY-101 project (Item No. 3-80214) is to improve safety and reduce congestion along the commercial corridor between I-65 and Brown Street. Safety is the primary concern along KY-101, along with alleviating congestion anticipated from future development.

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 Engineering and Environmental Services. Preliminary Engineering includes surveying, 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. Advanced traffic engineering design and modeling will be required on this project. The selected consultant will be required to create an advance traffic model for the proposed design alternatives.

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 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

[Smiths Grove Traffic Operations Study – Warren | 3-80214 | KY-101](#)

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. Based on preliminary discussion with the project team and all currently available environmental information for the proposed project location, we anticipate the required environmental document to be no higher than a CE 1. The final environmental document may be elevated (or reduced) to a different level of environmental documentation if environmental investigation leads to an alternative conclusion or changes in ROW occur. Prequalification of various Environmental Services are required to be identified in the Consultant's Response to Announcement.

X. PHOTOGRAMMETRIC SERVICES

The selected Consultant will be required to obtain all surveying and mapping necessary for the project through conventional survey methods.

XI. STRUCTURE DESIGN

The Department is expected to provide any necessary Structure Design required for the 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. 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 projects. 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 will provide all traffic projections and related information.

The Department is expected to provide all Traffic Engineering Services but the selected Consultant may be asked to provide Traffic Engineering Services required for the projects. At any time, if the Department has the capacity to provide these services, the Department may retain the advertised Traffic Engineering Services. Prequalification in the area of Traffic Engineering 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.

XIV. UTILITIES

The Department will provide a preliminary utility contact list, will provide all utility cost estimates, as well as coordinate the utility plans and relocation. The selected Consultant shall be responsible for verifying utilities involved, requesting B.U.D. locates, performing a level B locate for all utilities within the project corridor, and including the location, size, and type of utilities on the plans.

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 should be aware of and bring attention to any potential utility impacts that may result in significant cost or time to relocate.

The selected Consultant may be responsible for any necessary Subsurface Utility Engineering. Subsurface Utility Engineering may be added as a Contract Modification. Prequalification in the area of Subsurface Utility Engineering is not required to be identified in the Consultant's Response to Announcement. The selected Consultant must obtain the required qualifications before providing these services, or bring a prequalified subconsultant at that time.

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

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

ENVIRONMENTAL ARCHAEOLOGY & OTHER SERVICES

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

ROADWAY DESIGN

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

Geotechnical Services* (see note below)

- *Geotechnical Engineering**

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

Structure Design* (see note below)

- *Spans Under 500 Feet**

Traffic Engineering* (see note below)

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

Utility Design* (see note below)

- *Subsurface Utility Engineering**

** 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: March 12, 2024
- Response Date: April 3, 2024 by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: April 8, 2024
- Final Selection: April 24, 2024
- Pre-Design Conference: May 1, 2024
- Consultant Fee Proposal: May 10, 2024
- Contract Negotiations: May 22, 2024
- Notice to Proceed: June 12, 2024

XVII. PROJECT SCHEDULE

- Conceptual Alternatives Meeting October 1, 2024
- Public Meeting November 15, 2024
- Preliminary Line & Grade Inspection February 1, 2025
- Design Executive Summary March 1, 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. Stewart Lich, P.E., User Division
2. Kenny Carrico, P.E., User Division
3. Zachary Neihof, P.E., Secretary's Pool
4. Matthew Sipes, 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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Date: 1/10/2024