

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2022-08
Scott | 7-80102 | KY-2906

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 - Scott
Route - KY-2906
Item No. - 7-80102.00
Project Description - Improve capacity and access on KY-2906 from US-460 to US-62

II. PROJECT INFORMATION

Project Manager - Lauren Meighan, P.E.
User Division - Highway Design
Approximate Fee - \$350,000 Preliminary Engineering & Environmental Services (Lump Sum)
Project Funding - SPP Funds (State Funds)
Project Length - Approximately 1.118 miles

III. PURPOSE AND NEED

The purpose of this project is to provide additional capacity, mobility, and level of safety on KY 2906 (Connector Road) from US 460 (Paris Pike) to US 62 (Cherry Blossom Way) while maintaining driver expectancy and minimizing the impacts to the surrounding environment.

The area around Connector Road has experienced major development since it was originally constructed. Large box stores along with various commercial businesses, banks, restaurants, residential and a golf course have located in the area since the original road construction. Additionally, other "big box" retail stores are finalizing plans to construct new facilities on the corridor. New subdivisions, particularly in the area between Old Oxford Road and US 62 as well as recently constructed subdivisions on US 460, has impacted the route. The resulting growth is generating demand for a safer and more efficient transportation facility including bike and pedestrian considerations. With the commercial and residential growth along Connector Road and Old Oxford Road, traffic demand is expected to continually increase on a roadway that is at or nearing capacity. This is especially noted on the North end of the project. The 2018 traffic count on Connector Road was an AADT of 10,562 consisting of 5.48% truck traffic. This volume is projected to increase to as much as 21,800 by 2035. Based on an initial collision analysis, there were 280 collisions, including 2 fatalities, 68 injuries, and 235 property damage only collisions

between 2016 and 2020.

IV. DBE REQUIREMENT

None

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 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, 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

[DNA Study – Scott | 7-80102 | KY-2906 \(Connector Road\)](#)

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 1. Prequalification of various Environmental Services are required to be identified in the Consultant's Response to Announcement.

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 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 selected Consultant may provide all 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.

XIII. TRAFFIC ENGINEERING

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 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.

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 Aquatic & Terrestrial Ecosystems Analysis

- Botany
- Terrestrial Zoology
- Water Quality
- *Fisheries** (see note below)
- *Wetlands** (see note below)
- *Freshwater Macroinvertebrates** (see note below)

Environmental Archeology & Other Services

- Air Quality Analysis
- Prehistoric Archaeology
- Socio-Economic Analysis
- Historic Archaeology
- Environmental Document Writing & Coordination
- Cultural-Historic Analysis
- *Highway Noise Analysis** (see note below)
- *Stream & Wetland Mitigation** (see note below)

Roadway Design

- Rural Roadway Design
- Surveying
- Urban Roadway Design
- *Advanced Traffic Engineering Design & Modeling** (see note below)

Traffic Engineering

- Traffic Engineering
- *Electrical Engineering Roadway Lighting** (see note below)
- *Electrical Engineering Traffic Signals** (see note below)

Transportation Planning

- Pedestrian & Bicycle Planning & Design

Environmental & UST Services* (see note below)

- *UST & Hazmat Preliminary Site Assessment (Phase 1)**
- *UST Closure Assessment**
- *Hazmat Corrective Action**
- *UST Site Investigation (Phase 2)**
- *Hazmat Site Investigation (Phase 2)**
- *UST Corrective Action**

Geotechnical Services* (see note below)

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

Utility Design* (see note below)

- *Utility Construction Inspection **
- *Utility Preconstruction Coordination **

* 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: February 8, 2022
- Response Date: March 2, 2022 by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: March 7, 2022
- Final Selection: March 23, 2022
- Pre-Design Conference: March 30, 2022
- Consultant Fee Proposal: April 8, 2022
- Contract Negotiations: April 20, 2022
- Notice to Proceed: May 11, 2022

XVII. PROJECT SCHEDULE

- Preliminary Alternates Meeting – January 2023
- Public Meeting – March 2023
- PL&G Inspection – April 2023

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

XIX. SELECTION COMMITTEE MEMBERS

1. Lauren Meighan, P.E., User Division
2. Adam Ulrich, P.E., User Division
3. Larry Krueger, 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

