

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2022-03
Graves | 1-80103 | KY-303

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 - Graves
Route - KY-303
Item No. - 1-80103.00
Project Description - Improve KY-303 from north of Charles Drive to KY-121

II. PROJECT INFORMATION

Project Manager - Chris Kuntz, P.E.
User Division - Highway Design
Approximate Fee - \$300,000 Preliminary Engineering & Environmental Services (Lump Sum)
Project Funding - State Funds (SPP Funds)
Project Length - Approximately 0.64 miles

III. PURPOSE AND NEED

The purpose of the project is to improve safety, mobility, and traffic flow, as well as facilitate bicycle and pedestrian movements, along the KY-303 corridor. This route serves as a commuter link between the southern half of Graves County and the city of Mayfield. There are numerous residential, commercial and recreational developments along the corridor. The corridor has congestion and accident issues due to the high ADT and numerous access point conflicts. Improving pedestrian and bicycle access to Kiwanis Park and Kess Creek Park is a priority for the city of Mayfield.

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, traffic 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 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

[DNA Study – Graves | 1-80103.00 | KY-303](#)

[Mayfield SUA Study – Graves | 1-80103.00 | KY-303](#)

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 will retain the environmental services other than those listed in Section XV. Prequalification Requirements. These 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. The selected Consultant will perform studies needed to ascertain the potential for obtaining environmental documents in a future phase.

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

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 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 Department will be responsible for determining the existing locations of utilities to determine feasibility of redesign or utility relocation and cost estimates. Prequalification in the area of Utility 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.

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 Archeology & Other Services](#)

- Air Quality Analysis
- Socio-Economic Analysis
- Highway Noise Analysis
- Historic Archaeology
- Cultural-Historic Analysis

Roadway Design

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

Traffic Engineering

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

Transportation Planning

- Traffic Data Collection
- Pedestrian & Bicycle Planning & Design
- *Traffic Forecasting** (please see note below)
- *Advanced Transportation Planning Engineering** (please see note below)
- *Travel Demand & Simulation Modeling** (please see note below)

Geotechnical Services (please see note below)

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

Structure Design (please see note below)

- *Spans Under 500 Feet**

Utility Design (please see note below)

- *Utility Preconstruction Coordination **

** Note – All Geotechnical Services, Structure Design, Utility Design, Advanced Drainage Analysis & Design and various Traffic Engineering and Transportation Planning service 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: September 14, 2021
- Response Date: October 6, 2021 by 4:30 PM ET (Frankfort Time)
- First Selection: October 11, 2021
- Final Selection: October 27, 2021
- Pre-Design Conference: November 3, 2021
- Consultant Fee Proposal: November 12, 2021
- Contract Negotiations: November 24, 2021
- Notice To Proceed: December 15, 2021

XVII. PROJECT SCHEDULE

- Preliminary Line and Grade Meeting – July 2022
- Submit Design Executive Summary – September 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. Knowledge of the locality and familiarity of the general geographic area. (2 Points)

XIX. SELECTION COMMITTEE MEMBERS

1. Chris Kuntz, P.E., User Division
2. Patrick Perry, P.E., User Division
3. Stephen De Witte, P.E., Secretary's Pool
4. Erika Drury, P.E., Secretary's Pool
5. Bart Bryant, 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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