

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2022-01
Hopkins | 2-804.40 | CS-1287

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 - Hopkins
Route - CS-1287
Item No. - 2-804.40
Project Description - Reconstruct Whittington Drive (CS-1287) beginning 500 feet south of Commerce Drive and ending at the intersection of Whittington Drive and Island Ford Road (KY-281), including the reconstruction of the KY-281 intersection.

II. PROJECT INFORMATION

Project Manager - George B. Phelps III, P.E.
User Division - Highway Design
Approximate Fee - \$450,000 (Lump Sum) Preliminary Engineering & Environmental Services
Project Funding - Federal Funds
Project Length - Approximately 0.32 miles

III. PURPOSE AND NEED

The section of Whittington Drive identified in this project serves commercial development located adjacent to KY-281 (Island Ford Road). There is another section of roadway known as Midtown Drive that is located south of Whittington Drive that connects to KY-70 (Center Street) just west of the I-69 interchange. This section of Midtown Drive is currently experiencing commercial development and will continue to develop along the completed portion and future extensions of Midtown Drive. The improvement of the existing section of Whittington Drive is part of a larger project to provide a connector from KY-70 to KY-281 by upgrading Whittington Drive and linking the Whittington Drive and Midtown Drive segments.

Whittington Drive is currently a busy segment of roadway due to its combination of commercial businesses and residential traffic that put its ADT at 5090 (2018). The congestion in this area combined with multiple access points in a short segment create traffic and safety issues. These issues on the existing section of Whittington Drive need to be addressed in order to provide an efficient connector between Whittington Drive and Midtown Drive.

In summary, the purpose of this project is to upgrade Whittington Drive to improve congestion, traffic flow, safety, and connectivity as part of a larger project that will provide a connector between KY-70 and KY-281.

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

To make necessary improvements to Whittington Drive (CS-1287) from 500 feet south of Commerce Drive to the intersection with KY-281, including improvements to the intersection. This project should appropriately address any access issues with current developments along the route.

The selected Consultant will be required to provide engineering services to perform Preliminary Engineering. Preliminary Engineering includes preliminary line and grade plans, traffic engineering analysis as per Design Memo 03-11, preliminary drainage and preliminary structure design, cost estimates, and gathering any necessary survey for the project area.

The selected Consultant may be required to provide Final Roadway Design, which may be added to the contract agreement by a contract modification when Preliminary Engineering is complete. Final Roadway Design includes, at a minimum, preparation of joint inspection plans, drainage design, Preliminary, Advanced, and Final drainage folders, right-of-way plans, construction plans and post construction Best Management Practices (BMP), signing and pavement marking plans, traffic control plans, final cost estimates, and an anticipated construction schedule. Signal plans may also be required.

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 – Hopkins | 2-804.40 | CS-1287](#)

FEMA Flood Map can be accessed here: <https://msc.fema.gov/portal>

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 will 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.

XII. GEOTECHNICAL SERVICES

The Department is expected to provide all Geotechnical Services required for the project. 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. 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.

The selected Consultant will provide the analysis of the existing and proposed operations. Traffic simulation will be needed on this project to illustrate the Intersection/Access Control/Lane utilization. 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.

The selected Consultant will authorize B.U.D. (Before You Dig) to field-locate utilities during design. The consultant shall perform field surveys to collect the B.U.D. data. Horizontal location of existing utilities shown on final plans shall be adjusted as necessary to reflect actual B.U.D. locates.

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)
- UST Closure Assessment
- Hazmat Corrective Action
- UST Site Investigation (Phase 2)
- Hazmat Site Investigation (Phase 2)
- UST Corrective Action

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

- Advanced Traffic Engineering Design & Modeling
- Surveying
- Urban Roadway Design
- *Advanced Drainage Analysis & Design**

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)

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

Utility Design (please see note below)

- *Utility Preconstruction Coordination**

**Note – Geotechnical Services, Structure Design, Traffic Engineering, Utility Design, and Advanced Drainage Analysis & Design prequalifications are not required with the initial proposal as it is uncertain to the extent practicable if they are necessary. Should any of 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: July 13, 2021
- Response Date: August 4, 2021 by 4:30 PM ET (Frankfort Time)
- First Selection: August 9, 2021
- Final Selection: August 25, 2021
- Pre-Design Conference: September 1, 2021
- Consultant Fee Proposal: September 10, 2021
- Contract Negotiations: September 22, 2021
- Notice To Proceed: October 13, 2021

XVII. PROJECT SCHEDULE

- Alignment Review – February 2022
- Preliminary Line and Grade – May 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. George Phelps, P.E., User Division
2. Tonya Higdon, P.E., User Division
3. David Erickson, P.E., Secretary's Pool
4. Larry Krueger, 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.
 Copyright: 2021 Kentucky Transportation Cabinet. All rights reserved.

