

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2023-04
Carter | 9-80050 | US-60

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 - Carter
Route - US-60
Item No. - 9-80050.00
Project Description - Improve US-60 geometry beginning termini at new construction at Olive Hill extending to I-64 exit 161.

II. PROJECT INFORMATION

Project Manager - Michael Read, P.E.
User Division - Highway Design
Approximate Fee - \$600,000 Preliminary Engineering & Environmental Services (Lump Sum)
Project Funding - STP Funds (Federal Funds)
Project Length - Approximately 1.1 miles

III. PURPOSE AND NEED

The purpose of this project is to improve systems connectivity and increase operational efficiency as well as safety along US-60 between Olive Hill and I-64. This will involve improving the typical section and correcting geometric deficiencies to make it more consistent with the previously reconstructed section of the US-60 corridor between the project limits and Olive Hill.

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 responsible for providing Preliminary Engineering and Environmental Services, including the preparation of preliminary line and grade (PL&G) plans, completing a PL&G inspection as well as completing an approved design executive summary (DES).

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 – Carter | 9-80050 | US-60](#)

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 3. 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

Structure Design is not anticipated for Preliminary Design. 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 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. Prequalification in the area of Traffic Engineering is required to be identified in the Consultant's Response to Announcement.

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 provide SUE (Subsurface Utility Engineering) work as needed to field-locate utilities. Horizontal and vertical location of existing utilities shown in the roadway plans shall be adjusted by the Consultant as necessary to reflect actual SUE results.

The selected Consultant may be required to provide utility related services for this project.

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** (see note below)
- *Hazmat Corrective Action** (see note below)
- *UST Site Investigation (Phase 2)** (see note below)
- *Hazmat Site Investigation (Phase 2)** (see note below)
- *UST Corrective Action** (see note below)

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
- Environmental Document Writing & Coordination
- Cultural-Historic Analysis
- *Stream & Wetland Mitigation** (see note below)

ROADWAY DESIGN

- Rural Roadway Design
- Surveying
- Urban Roadway Design

TRAFFIC ENGINEERING

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

Geotechnical Services* (see note below)

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

Structure Design* (see note below)

- *Spans Under 500 Feet**

Transportation Planning* (see note below)

- *Pedestrian & Bicycle Planning & Design**

Utility Design* (see note below)

- *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: October 11, 2022
- Response Date: November 2, 2022 by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: November 7, 2022
- Final Selection: November 21, 2022
- Pre-Design Conference: November 30, 2022
- Consultant Fee Proposal: December 9, 2022
- Contract Negotiations: December 21, 2022
- Notice to Proceed: January 11, 2023

XVII. PROJECT SCHEDULE

- Preliminary Line & Grade Inspection September 15, 2023
- Joint Inspection March 15, 2024
- Right of Way and Utility Plans June 14, 2024
- Final Plans January 15, 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. Michael Read, P.E., User Division
2. Randy Turner, P.E., User Division
3. Joseph Van Zee, P.E., Secretary's Pool
4. Larry Krueger, P.E., Secretary's Pool
5. R. Bruce Scott, P.E., Governor's Pool

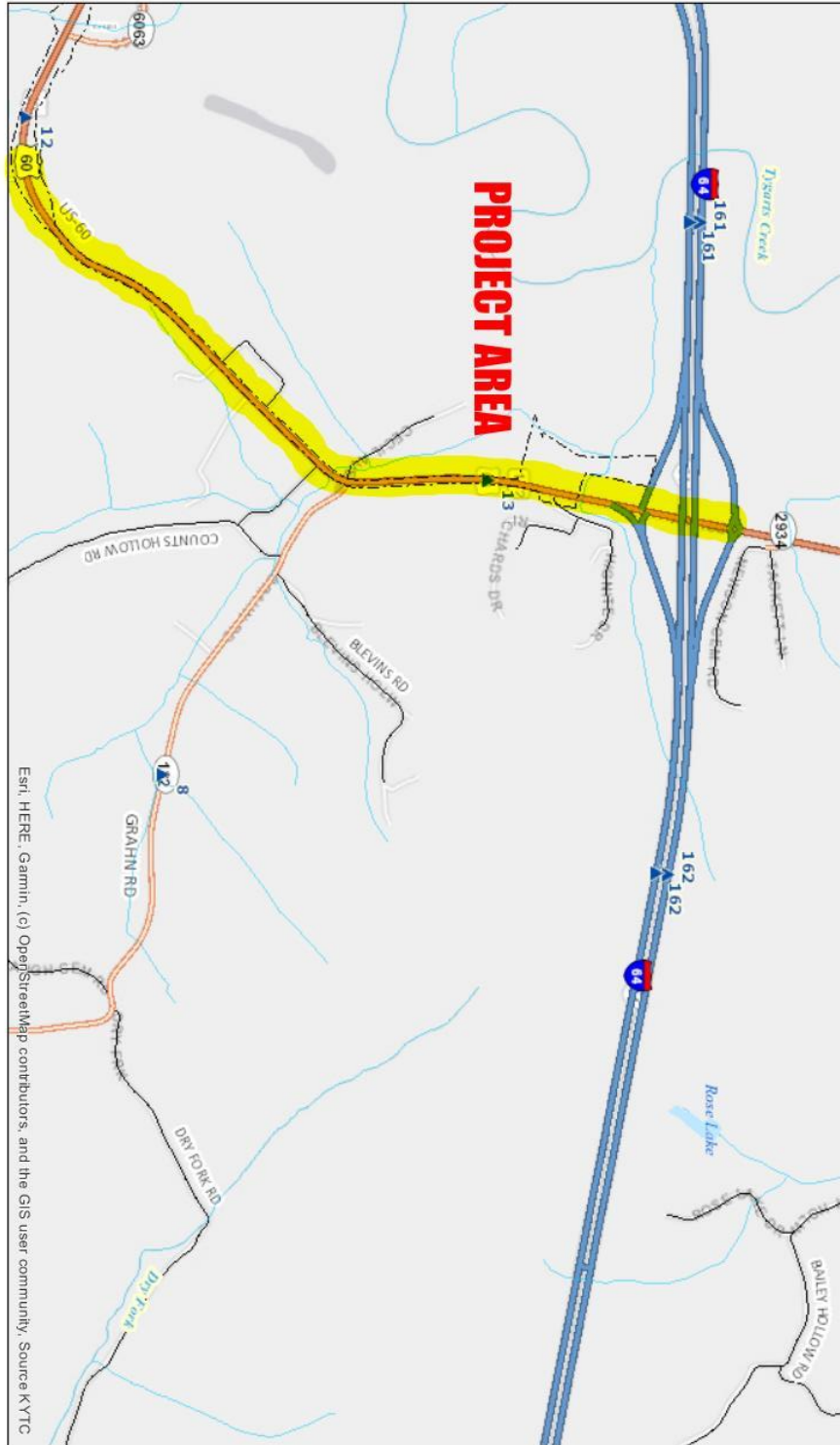
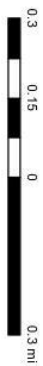
XX. AREA MAP



US 60
Carter County
Item No. 9-80050.00
Improve US 60 geometry



Author: Professional Services
Date: 9/28/2022



9-80050 Carter County