

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2023-03
Fayette | 7-438 | KY-4

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 - Fayette
Route - KY-4
Item No. - 7-438.00
Project Description - Reduce congestion on KY-4 (New Circle Road) from Trade Center Drive to Woodhill Drive

II. PROJECT INFORMATION

Project Manager - Joshua Samples, P.E.
User Division - Highway Design
Approximate Fee - \$450,000 Preliminary Engineering & Environmental Services (Lump Sum)
Project Funding - NH Federal Funds
Project Length - Approximately 1.313 miles

III. PURPOSE AND NEED

The purpose of the project is to increase safety, mobility, and system linkage to support continued and sustainable economic development. Access points and high traffic volumes result in a high number of accidents in the corridor. Traffic congestion deters potential customers from the commercial areas. Traffic volumes along New Circle Road have steadily increased over the years and will continue to grow due to development in Lexington. In addition to improving safety and reducing traffic congestion, the proposed project will consider the bike and pedestrian needs of the area and the economic development access needs.

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 Roadway design, including the preparation of engineering studies, identification of appropriate typical sections, identifying any utility impacts, performing preliminary structure and drainage design, developing dependable cost estimates, conducting and preparing documents for public meetings, and traffic forecast and modeling.

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

<https://www.imaginewcircle.org/>

[New Circle Planning Study - Fayette | 7-362 | KY-4](#)

[Liberty Road ROW Plans - Fayette | 7-8902 | KY-1927](#)

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

Structure Design is 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 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. 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 Consultant will provide all traffic projections and related information. 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. The selected Consultant may provide SUE (Subsurface Utility Engineering) work as needed to field-locate utilities if necessary for the completion of Final Design. The work may be added by Contract Modification at the appropriate time. 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.

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 ARCHEOLOGY & OTHER SERVICES

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

ROADWAY DESIGN

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

STRUCTURE DESIGN

- Spans Under 500 Feet

TRANSPORTATION PLANNING

- Traffic Forecasting
- Traffic Data Collection
- Pedestrian & Bicycle Planning & Design

Geotechnical Services* (see note below)

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

Traffic Engineering* (see note below)

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

Utility Design* (see note below)

- *Water & Sewer Level 2**
- *Water & Sewer Level 1**

* 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: September 13, 2022
- Response Date: October 5, 2022 by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: October 10, 2022
- Final Selection: October 26, 2022
- Pre-Design Conference: November 2, 2022

- Consultant Fee Proposal: November 11, 2022
- Contract Negotiations: November 23, 2022
- Notice to Proceed: December 14, 2022

XVII. PROJECT SCHEDULE

- Preliminary Alternate Review August 1, 2023
- Public Meeting October 1, 2023
- Preliminary Line and Grade November 1, 2023
- Design Executive Summary Submittal December 1, 2023

XVIII. EVALUATION FACTORS

Consultants will be evaluated by the selection committee based on the following weighted factors:

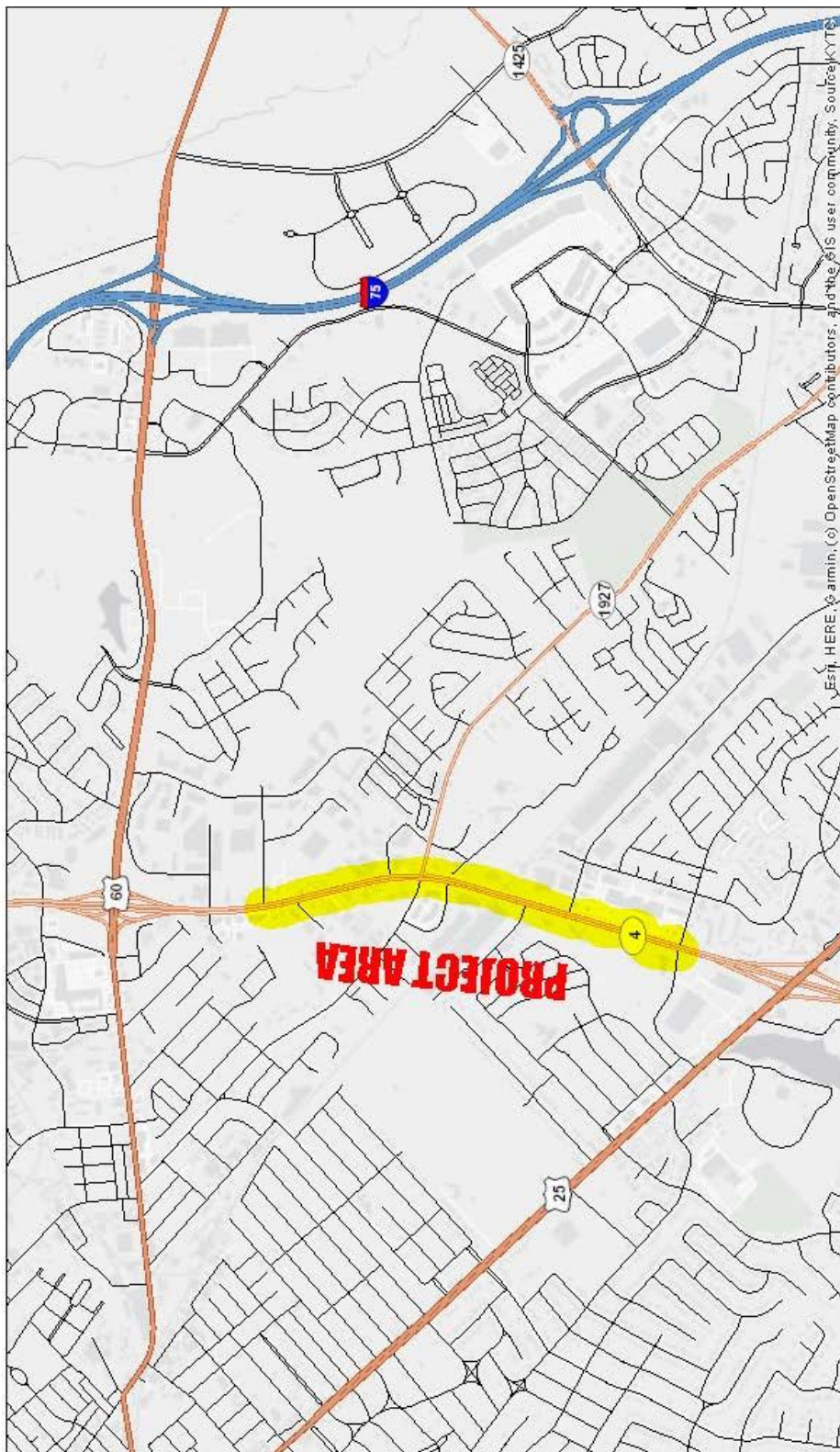
1. Project approach and proposed procedures to accomplish the services for the project. (20 Points)
2. Relative experience of consultant personnel assigned to project team with highway project for KYTC and/or federal, local or other state governmental agencies. (15 Points)
3. Past record of performance on projects similar in type and complexity. (15 Points)
4. Capacity to comply with project schedule. (10 Points)
5. DBE Participation Plan. (4 Points)
6. 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. Amanda Desmond, P.E., Secretary’s Pool
4. Joseph Van Zee, P.E., Secretary’s Pool
5. Bart Bryant, P.E., Governor’s Pool

XX. AREA MAP

7-438 Fayette County



0.65

0.325

0

0.65 mi

Author: Professional Services

Date: 8/24/2022

Legend

DBNF_Proclamation_Bnd	US Highway	State Road
Interstate	Parkway	Local Road