

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2024-09
Fayette | 7-462 | 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. - 7-462.00
Project Description - Safety improvements to New Circle Road between Development Drive and Bryan Station Road. State funded component of federal grant received in late 2023.

II. PROJECT INFORMATION

Project Manager - Robin Sprague, P.E.
User Division - Highway Design
Approximate Fee - \$525,000 Preliminary Engineering & Environmental Services (Lump Sum)
Project Funding - SLX & SS4A (Federal Funds)
Project Length - Approximately 1.4 miles

III. PURPOSE AND NEED

The primary purpose of the project is to increase safety. Access points, high traffic volumes and speeds result in a high number of serious injury and fatal crashes in the corridor, including a large number of pedestrian fatalities. The roadway needs to be improved to better serve a range of travel modes along a densely developed commercial and mixed-use corridor. In addition to improving safety for pedestrians and bicyclists, the project should seek to reduce vehicular crashes and reduce traffic congestion. The proposed project should include pedestrian and bicycle infrastructure and crossing enhancements. Restricted crossing U-turn intersections should be used, where feasible.

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 and Environmental Services, 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. The initiation of Preliminary Road design is being advanced ahead of a notice to proceed with a \$21,720,000 Safe Streets and Roads For All (SS4A) Grant. This grant requires the expenditure of all grant funds within five (5) years of an executed agreement with FHWA which is expected within six (6) to nine (9) months.

This project may be advanced to Final Design upon the completion of Preliminary Engineering and Environmental Services 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

[Lexington-Fayette Safe Streets for All Grant Application 7-10-23](#)

[Imagine New Circle Road](#)

[Fayette/Jessamine Bottleneck Study](#)

[LFUCG Safety Action Plan](#)

[Lexington Area Bicycle & Pedestrian Master Plan](#)

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. Based on preliminary discussion with the project team and all currently available environmental information for the proposed project location, we anticipate the required environmental document to be no higher than a CE 1. The final environmental document may be elevated (or reduced) to a different level of environmental documentation if environmental investigation leads to an alternative conclusion or changes in ROW occur. Prequalification of various Environmental Services are required to be identified in the Consultant's Response to Announcement.

X. PHOTOGRAMMETRIC SERVICES

The Department will provide mapping and will furnish manuscripts in ORD format. Statewide Elevation data and Aerial photography can be found at the following link [KyFromAbove - Kentucky's Aerial Photography & Elevation Data Program](#). The selected Consultant shall supplement this information with conventional surveying as determined during project scoping.

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 Department anticipates providing all Geotechnical Services required for the project.

At any time, if the Department does not have the capacity to provide these services, they may be added by contract modification. 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 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. 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 Consultant will authorize B.U.D. (Before You Dig) to field-locate utilities during final 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 Site Investigation (Phase 2)* *(see note below)*

ENVIRONMENTAL ARCHAEOLOGY & 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)*

TRANSPORTATION PLANNING

- Pedestrian & Bicycle Planning & Design

Geotechnical Services* *(see note below)*

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

Structure Design* *(see note below)*

- *Spans Under 500 Feet**

Traffic Engineering* *(see note below)*

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

Utility Design* (see note below)

- Water & Sewer Level 1*
- Water & Sewer Level 2*
- Subsurface Utility Engineering*

* 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: March 12, 2024
- Response Date: April 3, 2024 by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: April 8, 2024
- Final Selection: April 24, 2024
- Pre-Design Conference: May 1, 2024
- Consultant Fee Proposal: May 10, 2024
- Contract Negotiations: May 22, 2024
- Notice to Proceed: June 12, 2024

XVII. PROJECT SCHEDULE

- Preliminary Alternatives Review February 1, 2025
- Public Meeting April 1, 2025
- Preliminary Line and Grade June 1, 2025
- Design Executive Summary Submittal July 1, 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. Robin Sprague, P.E., User Division
2. Adam Ulrich, P.E., User Division
3. Amanda Desmond, P.E., Secretary's Pool
4. Casey Smith, P.E., Secretary's Pool
5. Marcellyn Mathews, P.E., Governor's Pool

XX. AREA MAP

