

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2024-05
Jefferson | 5-80261 | US-31E

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 - Jefferson
Route - US-31E
Item No. - 5-80261.00
Project Description - Reduce congestion, improve safety and enhance mobility along the US-31E (Bardstown Road) corridor from the Bullitt/Jefferson County line to KY-1065 (Beulah Church/Seatonville Road). (MP 0.0 – MP 5.6)

II. PROJECT INFORMATION

Project Manager - Larry Chaney, P.E.
User Division - Planning
Approximate Fee - \$400,000 Planning Study (Lump Sum)
Project Funding - SPP Funds (State Funds)
Project Length - Approximately 5.6 miles

III. PURPOSE AND NEED

The purpose of this project is to improve safety, reduce congestion, and improve multi-modal transportation options along US-31E from the Bullitt County Line to KY-1065 (Beulah Church Road/Seatonville Road, including the I-265 (Gene Snyder Freeway) interchange. AADT on the route varies from 35,000 vpd near the Bullitt County Line to 48,000+ vpd near the I-265 interchange. The portion of the route between Fairmount Road and Seatonville Road was identified by KIPDA in 2016 as operating at LOS F. That congestion is expected to expand south to Mt. Washington and north to Breckenridge Lane in a 2040 No-build scenario.

KYTC Safety Congestion Network Screening data (2016-20) revealed that 9 intersections in this segment of US-31E have a LOSS-KAB of 4. There were 6 additional locations with a LOSS-KAB of 3. There were 419 reported crashes during that time period. LOSS KAB for the entire corridor segment is 4.

TARC's Bardstown Road routes have some of the highest ridership rates in their system. Schools, shopping and other community facilities (particularly near the I-265 interchange) could benefit from both transit accommodation and the enhancement of bicycle and pedestrian mobility.

NOTE: This portion of US-31E was identified as a priority in Linking Kentucky (the 2021 KYTC Statewide Corridor Plan) and is a part of Segment 31A in that study.

IV. DBE GOAL

The Consultant team may 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 would demonstrate how DBE companies will be mentored or used to assist in the area(s) pertaining to this contract. If included, an additional page will be allowed in the Project Approach (Section 7) to exhibit this plan. No additional points will be provided in the Evaluation Factors for the DBE Participation Plan.

V. SCOPE OF WORK

KYTC planning effort would prepare a Needs Assessment Study, engage the public, other stakeholders and elected officials in the planning process, and then recommend a plan and budget for implementation of projects to address identified needs. Expected tasks are to include:

- Clarify study area
- Establish Purpose/Need and Goals
- Identify and document existing conditions
- Prepare an Environmental Overview corridor assessment
- Develop traffic modeling assumptions & projections
- Engage local officials, stakeholders, and area residents
- Consider incorporating planning recommendations previously made for the corridor
- Identify needs of the users of the corridor and develop potential improvement options utilizing KYTC's Complete Streets, Roads, and Highways Manual and Policy.
- Develop a prioritized list of short, medium, and long-range transportation improvement concepts that address needs along the corridor, including vulnerable road users
- Prepare cost estimates for future Design, ROW, Utility and Construction phases

This project may be advanced to Preliminary Engineering upon the completion of the Planning Phase by Contract Modification. The project may then be advanced to Final Design upon the completion of Preliminary Engineering and Environmental Services with a subsequent Contract Modification. The selected Consultant will then be required to provide engineering services to perform Final Roadway Design 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

[KYTC Statewide Corridor Plan - Final Report](#)

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

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 for the initial planning study to be an Environmental Overview. The final environmental document may be elevated to a different level of environmental documentation if environmental investigation leads to an alternative conclusion or changes in ROW occur.

Any necessary Environmental Services are expected to be provided by the Consultant. Prequalification of various Environmental Services are required to be identified in the Consultant's Response to Announcement.

X. PHOTOGRAMMETRIC SERVICES

The Consultant 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 the initial Planning Study. 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.

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 where practical.

The selected Consultant will identify existing significant utility facilities that may be impacted. The extent to which any existing significant utility facilities may be impacted by any proposed project and any significant adverse effects on the project budget or schedule of any such impacts should be documented.

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 Aquatic & Terrestrial Ecosystems Analysis

- Wetlands
- Fisheries* (see note below)
- Botany* (see note below)
- Terrestrial Zoology* (see note below)
- Freshwater Macroinvertebrates* (see note below)
- Water Quality* (see note below)

Environmental Archaeology & Other Services

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

INTELLIGENT TRANSPORTATION SYSTEMS

- System Design, Deployment & Integration
- Technology / System Evaluation
- *System Maintenance, Management & Operations** (see note below)
- *Architecture Development** (see note below)

ROADWAY DESIGN

- Rural Roadway Design
- Advanced Traffic Engineering Design & Modeling
- Surveying
- Urban Roadway Design

TRAFFIC ENGINEERING

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

TRANSPORTATION PLANNING

- Traffic Forecasting
- Traffic Data Collection
- Advanced Transportation Planning Engineering
- Pedestrian & Bicycle Planning & Design
- Transportation Planning Engineering
- Travel Demand & Simulation Modeling
- Conceptual Transportation Planning

Right of Way* (see note below)

- *Relocation**
- *Acquisition**
- *Appraisal**

Transportation Delivery Systems* (see note below)

- *Transit Technical Studies**

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: November 14, 2023
- Response Date: December 6, 2023 by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: December 8, 2023
- Final Selection: December 20, 2023

- Pre-Design Conference: January 3, 2024
- Consultant Fee Proposal: January 12, 2024
- Contract Negotiations: January 24, 2024
- Notice to Proceed: February 14, 2024

XVII. PROJECT SCHEDULE

- Existing Conditions Meeting: May 2024
- 1st Local Elected Officials/Stakeholders/Public Meetings: June 2024
- Initial Alternatives Review Meeting: October 2024
- 2nd Local Elected Officials/Stakeholders/Public Meetings: November 2024
- Final Alternatives Review Meeting: January 2025
- Submit Draft Report: February 2025
- Submit Final Report: April 2025

XVIII. EVALUATION FACTORS

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

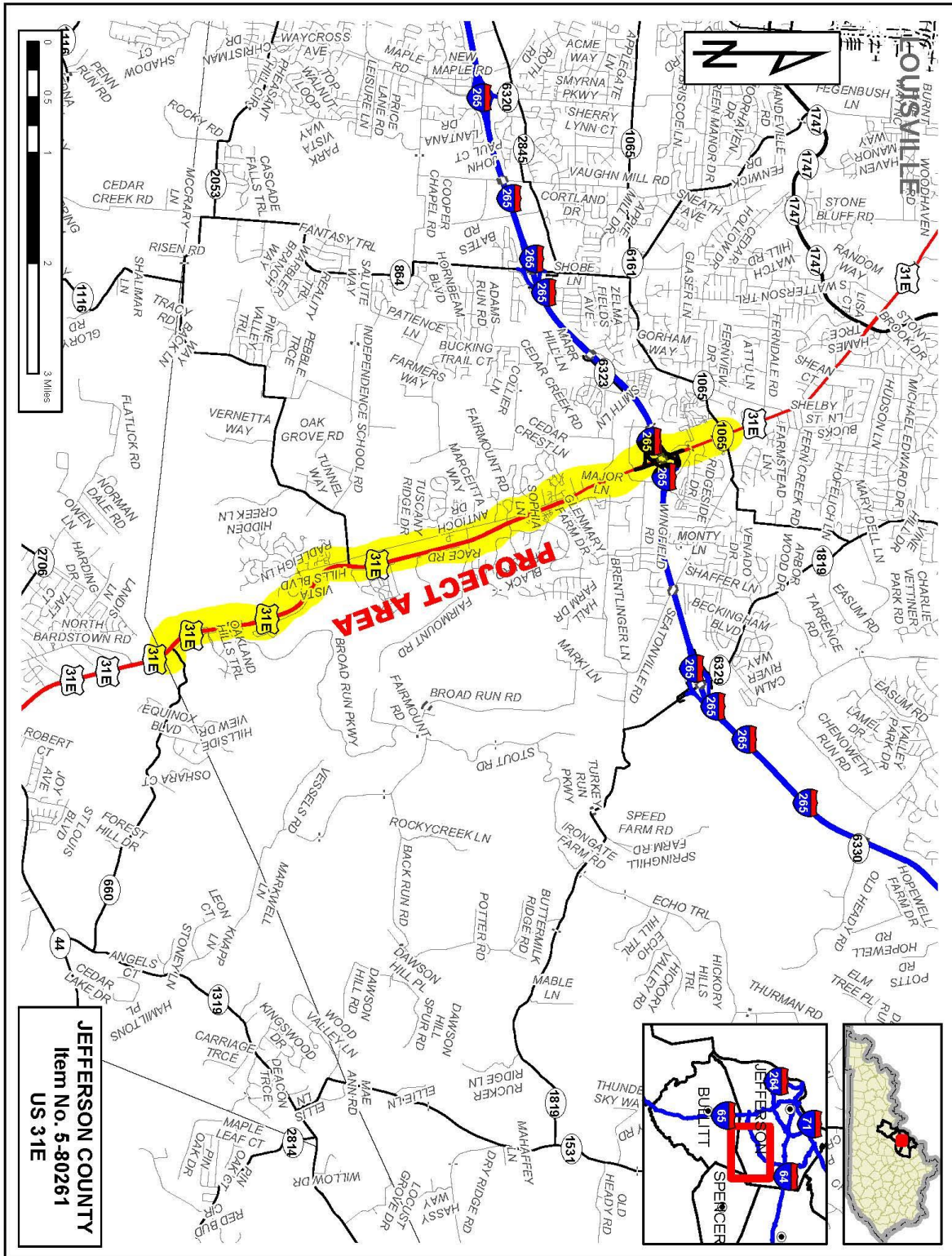
1. Project approach and proposed procedures to accomplish the services for the project. (20 Points)
2. Relative experience of consultant personnel assigned to project team with highway project for KYTC and/or federal, local or other state governmental agencies. (15 Points)
3. Past record of performance on projects similar in type and complexity. (15 Points)
4. Capacity to comply with project schedule. (10 Points)
5. Knowledge of the locality and familiarity of the general geographic area. (2 Points)

XIX. SELECTION COMMITTEE MEMBERS

1. Larry Chaney, P.E., User Division
2. Stephen De Witte, P.E., User Division
3. Zachary Neihof, P.E., Secretary's Pool
4. Casey Smith, P.E., Secretary's Pool
5. Marcellyn Mathews, 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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Date: 10/25/2023