

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2025-06
Johnson | 12-171 | KY-172

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 - Johnson
Route - KY-172
Item No. - 12-171.00
Project Description - Perform a study to examine potential spot improvements on KY-172 to match Morgan County Improvements.

II. PROJECT INFORMATION

Project Manager - Charlie Dale, P.E.
User Division - Planning
Central Office Liaison - Dave Heil, P.E.
Approximate Fee - \$250,000 Scoping Study (Lump Sum)
Project Funding - SPP (State Funds)
Project Length - Approximately 12.37 miles

III. PURPOSE AND NEED

The objective of the study is to improve safety and address mobility and access concerns along KY-172, from the intersection of KY-40 west of Paintsville, for approximately 12.37 miles to the Morgan County Line. This route serves as a vital connection between the communities of West Liberty and Paintsville, and to the surrounding area. As a vital route for both local and regional traffic, enhancing safety, mobility, and access is essential to accommodate traffic volumes in the peak conditions. This study should identify opportunities and propose potential solutions to promote safe, efficient, and reliable transportation for both local and regional motorists.

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

Planning efforts would comprise of Needs Assessment Study preparation, engagement of the public, other stakeholders, and elected officials in the planning process and recommendation of a plan and budget implementation of projects to address identified needs. Expected tasks may include but are not limited to:

- Collect, summarize, and verify existing roadway data with special attention to pavement conditions, geotechnical concerns, and geometric constraints.
- Gather and analyze crash data utilizing methodologies outlined in the Highway Safety Manual, KTC research, and KYTC's Data Driven Safety Analysis Implementation Plan.
- Conduct local official/stakeholder and public involvement activities.
- Identify needs of the users of the corridor and develop potential improvement options.
- Develop list of prioritized segments and projects.
- Develop planning-level cost estimates for all phases (Design, Right-of-Way, Utilities and Construction) and conduct planning-level benefit-cost analysis of the identified projects and identify sources of risk.
- Conduct Stage 1 screening under the [KYTC Intersection Control Evaluation \(ICE\) Guidance](#) when examining potential intersection changes.
- Identify needs of the users of the corridor and develop potential improvement options utilizing KYTC's Complete Streets, Roads, and Highways Manual and Policy.
- Submit a summary of findings in a Final Report.

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

VIII. ENVIRONMENTAL SERVICES

Any necessary Environmental Services are likely to be provided by the Consultant. If needed, an Environmental Overview Report with a red flag summary may be required in the final report. Environmental services necessary for the completion of Preliminary Engineering or 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 environmental services. Prequalification in the area of Environmental Services is not required to be identified in the Consultant's Response to Announcement.

IX. 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.

X. STRUCTURE DESIGN

Structure Design is not anticipated for the Planning Study. When the project advances to Preliminary and/or 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.

XI. GEOTECHNICAL SERVICES

The selected Consultant may provide all Geotechnical Services required for the project. A future 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.

XII. TRAFFIC ENGINEERING

The selected Consultant will provide the analysis of the existing and proposed operations. Traffic 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.

XIII. UTILITIES

The Consultant may be responsible for determining the existing locations of utilities to determine feasibility of redesign or utility relocation and cost estimates.

The selected Consultant will identify existing utility facilities within the project area and complete or contribute to a utility conflict matrix, documenting those that may be negatively impacted by the project. The Consultant shall document the following for each utility in the conflict matrix: type of utility, owner of utility, quantify the extent they may be impacted, potential impacts to project budget, potential impact to project schedule, confidence of utility location depicted, and recommendations for remedy.

XIV. PREQUALIFICATION REQUIREMENTS

To respond to this project the Consultant must be prequalified in the following areas by the response due date of this advertisement:

ROADWAY DESIGN

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

TRAFFIC ENGINEERING

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

TRANSPORTATION PLANNING

- Traffic Data Collection
- Conceptual Transportation Planning
- *Traffic Forecasting* (see note below)*
- *Pedestrian & Bicycle Planning & Design* (see note below)*

Environmental & UST Services* (see note below)

- *UST & Hazmat Preliminary Site Assessment (Phase 1)**

Environmental Aquatic & Terrestrial Ecosystems Analysis* (see note below)

- *Botany**
- *Terrestrial Zoology**
- *Wetlands**
- *Freshwater Macroinvertebrates**
- *Water Quality**

Environmental Archaeology & Other Services* (see note below)

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

Geotechnical Services* (see note below)

- *Geotechnical Engineering**

Structure Design* (see note below)

- Spans Under 500 Feet*

* 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.

XV. PROCUREMENT SCHEDULE

Dates other than Response Date are tentative and provided for information only.

- Advertisement Date: December 10, 2024
- Response Date: January 8, 2025 by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: January 13, 2025
- Final Selection: January 29, 2025
- Scoping Conference: February 5, 2025
- Consultant Fee Proposal: February 14, 2025
- Contract Negotiations: February 26, 2025
- Notice to Proceed: March 19, 2025

XVI. PROJECT SCHEDULE

- Existing Conditions Meeting May 2025
- Initial Concept Review Meeting July 2025
- Local Officials/Stakeholders Meeting August 2025
- Final Concept Review Meeting September 2025
- Draft Report Submittal October 2025
- Final Report Submittal December 2025

XVII. EVALUATION FACTORS

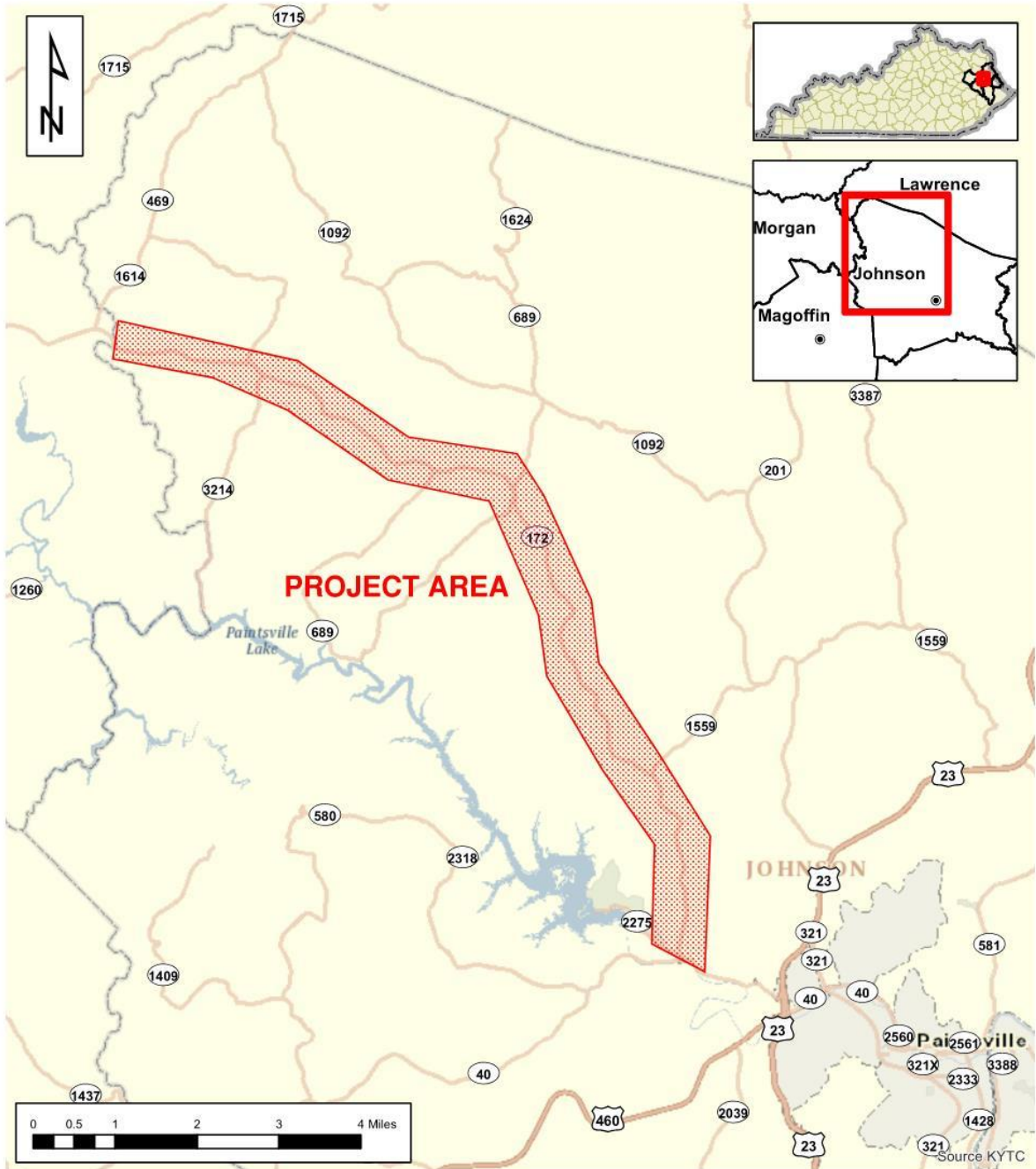
Consultants will be evaluated by the selection committee based on the following weighted factors:

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. (5 Points)

XVIII. SELECTION COMMITTEE MEMBERS

1. Charlie Dale, P.E., User Division
2. Stephen De Witte, P.E., User Division
3. Matthew Sipes, P.E., Secretary's Pool
4. Casey Smith, P.E., Secretary's Pool
5. Cindy Evensen, Governor's Pool

XIX. AREA MAP



PS Professional Services



**Johnson County
Item No. 12-171.00
KY 172**

Disclaimer: KYTC provides this map as a reference only. Users are to validate information independently.
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Date: 11/26/2024