

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways Professional Services Procurement Bulletin 2025-03 Various | 1-80305 & 2-11 | I-24

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

This contract is to provide transportation planning/scoping services covering the extent of I-24 in Kentucky. One (1) consultant will be selected to provide these services, culminating in a single report produced in two volumes – one covering District 1 and one covering District 2.

Counties -	McCracken, Marshall, Livingston, Lyon, Caldwell, Trigg, Christian
Route -	I-24
Item Nos. -	1-80305.00 & 2-11.00
Project Description -	Study the I-24 Corridor from Exit 3 (KY-305) to the Tennessee State line

II. PROJECT INFORMATION

District 1 Project Manager -	Austin Hart, P.E.
Central Office Liaison -	Catherine Davis, P.E.
District 2 Project Manager -	Nick Hall
Central Office Liaison -	Libbie Lowe
User Division -	Planning
Approximate Fee -	\$500,000 Scoping Study (Lump Sum) 1-80305 - \$250,000 2-11 - \$250,000
Project Funding -	National Highway Performance Program (Federal Funds)
Project Length -	Approximately 90 miles

III. PURPOSE AND NEED

I-24 is a critical transportation corridor in Kentucky, facilitating regional connectivity and supporting economic growth by linking major cities, industrial hubs, military installations, and other attractions. As a vital route for freight and passenger travel, enhancing I-24's safety, capacity, and resiliency is essential to accommodate increasing traffic volumes and ensure safe, efficient, and reliable transportation for the region's residents and businesses.

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

Items to be completed may include but not be limited to:

- Gather and analyze crash data utilizing methodologies outlined in the Highway Safety Manual, KTC research, and KYTC's Data Driven Safety Analysis Implementation Plan
- Collect, summarize, and verify existing roadway data, with special attention to:
 - Existing and future capacity of I-24, particularly near Paducah and Clarksville
 - Intersection Control Evaluation (ICE) at all or a subset of interchange terminals
 - Pavement condition, especially in Lyon and Trigg counties
 - Existing and potential future Intelligent Transportation Systems (ITS) devices
 - Truck Parking Needs
- Identify needs of the users of the corridor and develop potential improvement options utilizing KYTC's Complete Streets, Roads, and Highways Manual and Policy, including truck parking improvements
- Develop short- and long-term strategies for the large crossings of the Tennessee and Cumberland Rivers
- Develop list of prioritized segments and projects
- Develop actionable cost estimates and identify potential sources of risk
- Submit a summary of findings in a Final Report

The I-24 Bridge crossing the Ohio River will be the subject of a future project led by the Illinois Department of Transportation (IDOT). The Consultant shall coordinate with IDOT as needed. It can be assumed that any improvements undertaken as part of the I-24 Ohio River Bridge project will extend to the Exit 3 (KY-305) ramps.

After scoping, it is the intent of KYTC that the District 1 and District 2 portions of the study be developed using the same process but on parallel tracks; i.e. items such as project prioritization methodology will be consistent, but project team meetings will be held individually with each District.

Additional work, particularly relating to federal grant application and administration support may be added by the Department.

None, some, or all identified concepts may be advanced by the Department to future phases including Preliminary Engineering and Environmental Analysis upon completion of the Planning phase and may be advanced to Final Design thereafter. If the project is advanced and if the selected Consultant is retained for any of these services they may be asked to provide

engineering services, 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

[Statewide Interstate and Parkway Plan](#)

[KYTC Truck Parking Assessment and Action 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 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.

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

Detailed Structure Design is not anticipated for the Planning Study. If the Department chooses to advance the project (or portions thereof), 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.

Due to the need to study several large river crossing structures on the corridor, prequalification in the area of Structure Design for both spans greater than and under than 500 feet are 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

In addition to the Department's existing traffic counts, the Consultant will collect traffic data and develop traffic projections and related information. The Consultant will provide an analysis of the existing and proposed traffic operations.

When examining ramp terminals, a Stage 1 screening under the [KYTC Intersection Control Evaluation \(ICE\) Guidance](#) shall be conducted.

XIV. UTILITIES

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

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:

ROADWAY DESIGN

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

STRUCTURE DESIGN

- Spans Under 500 Feet
- Spans Greater than 500 Feet

TRANSPORTATION PLANNING

- Traffic Forecasting

- Traffic Data Collection
- Transportation Planning Engineering
- Travel Demand & Simulation Modeling
- Conceptual Transportation Planning
- *Advanced Transportation Planning Engineering** (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)

- *Fisheries**
- *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**

[Intelligent Transportation Systems](#)* (see note below)

- *System Design, Deployment & Integration**
- *System Maintenance, Management & Operations**
- *Technology / System Evaluation**
- *Architecture Development**

[Traffic Engineering](#)* (see note below)

- *Traffic 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: September 10, 2024

- Response Date: October 2, 2024 by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: October 7, 2024
- Final Selection: October 23, 2024
- Scoping Conference: October 30, 2024
- Consultant Fee Proposal: November 8, 2024
- Contract Negotiations: November 20, 2024
- Notice to Proceed: December 11, 2024

XVII. PROJECT SCHEDULE

- First Project Team Meetings: March 2025
- First Local Officials/Stakeholder Meetings: April 2025
- Second Project Team Meetings: July 2025
- Second Local Officials/Stakeholder Meetings: September 2025
- Final Project Team Meetings: October 2025
- Draft Report Submittal: November 2025
- Final Report Submittal: January 2026

As previously noted, it is intended that the District 1 and District 2 volumes of the study be conducted in parallel but with a consistent methodology.

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. (35 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. Austin Hart, P.E., User Division
2. Larry Krueger, P.E., User Division
3. Zachary Neihof, P.E., Secretary’s Pool
4. Amanda Desmond, P.E., Secretary’s Pool
5. Cindy Evensen, Governor’s Pool

XX. AREA MAP



PS Professional Services

TEAM KENTUCKY
TRANSPORTATION CABINET

**I-24 CORRIDOR STUDY
from Exit 3 (KY 305)
to Tennessee state line**

 Source KYTC