

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2024-04
Jefferson | 5-10057 | I-64

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 - I-64
Item No. - 5-10057.00
Project Description - Bridge project in Jefferson County on I-64 WB (056B00039L) and EB (056B00039R) at Tucker Station Rd.

II. PROJECT INFORMATION

Project Manager - Andrew Perez, P.E.
User Division - Highway Design
Approximate Fee - \$380,000 Preliminary Engineering (Lump Sum)
Project Funding - Federal Funds (BRO Funds)
Project Length - Approximately 0.17 miles

III. PURPOSE AND NEED

The purpose of this project is to repair or replace the eastbound (056B00039R) and westbound (056B00039L) bridges of Interstate 64 over Tucker Station Road. The structures were built in 1963, are approximately 60 years old, and are currently in substandard condition. Both bridges were widened in 1988 by extending the abutments and piers to the inside and outside, and the decks and piers were repaired 2017. Additional improvements are needed to extend the life of the bridges.

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

Determine the best way to address the deteriorating conditions of the I-64 WB and EB bridges at Tucker Station Road in Jefferson County. The most recent Bridge Inspection report states the deck, superstructure, and substructure are in fair condition and are expected to continue deteriorating.

At least three to five alternates are requested. Three of the alternates would address minimum improvements, maximum improvements, and middle-level improvements. The cost estimates of the alternates would also include reasonable, expected maintenance costs for the next 30 years. The Consultant should consider the most likely future cross sections and span lengths. For example, the future of Tucker Station Road will be considered in the design phase. Therefore, coordination with Louisville Metro is expected during preliminary design.

The selected Consultant will be required to provide engineering services for:

- Preliminary Line and Grade Plans, cost estimates, and Design Executive Summary
- Preliminary drainage design
- Public Involvement activities
- All necessary surveying
- Preliminary utilities mitigation
- Preliminary coordination for roadside accessories
- Preliminary work zone design and phasing plans
- Preliminary Right-of-Way design, and
- Cost estimates associated with Phase I Design.

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

[Structural Inspection Reports and Historic Plans](#)

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

The Department is expected to provide any necessary Environmental Services required for the project. The anticipated environmental document is expected to be a Categorical Exclusion Level 1 or less. 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

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 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 Department will provide all traffic projections and related information.

XIV. UTILITIES

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. Plans shall be provided by the consultant in both .pdf and .dgn format. These plans will be distributed by the Department to utility representatives for review and comment.

The selected Consultant should be aware of and bring attention to any potential utility impacts that may result in significant cost or time to relocate.

The Department will be responsible for estimating utility costs based on plans provided by the Consultant.

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

- Surveying
- Urban Roadway Design
- *Advanced Drainage Analysis & Design* (see note below)*

STRUCTURE DESIGN

- Spans Under 500 Feet

Environmental & UST Services* (see note below)

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

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

- *Botany**
- *Terrestrial Zoology**

Environmental Archaeology & Other Services* (see note below)

- *Prehistoric Archaeology**
- *Socio-Economic Analysis**
- *Historic Archaeology**
- *Environmental Document Writing & Coordination**
- *Cultural-Historic Analysis**

Geotechnical Services* (see note below)

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

** 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: October 10, 2023
- Response Date: November 1, 2023, by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: November 6, 2023
- Final Selection: November 20, 2023
- Pre-Design Conference: November 29, 2023
- Consultant Fee Proposal: December 8, 2023
- Contract Negotiations: December 20, 2023
- Notice to Proceed: January 10, 2024

XVII. PROJECT SCHEDULE

- Preliminary Line & Grade Inspection November 2024
- Submit Design Executive Summary December 2024

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. Andrew Perez, P.E., User Division
2. Karl Sawyer, P.E., User Division
3. Matthew Sipes, P.E., Secretary's Pool
4. Amanda Desmond, P.E., Secretary's Pool
5. Marcelyn Mathews, P.E., Governor's Pool

XX. AREA MAP

