

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2021-05
Campbell | 6-448 | KY-9

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 - Campbell
Route - KY-9
Item No. - 6-448.00
Project Description - Improve safety and reduce congestion at the I-275 interchange with KY-9 (AA Highway).

II. PROJECT INFORMATION

Project Manager - Dane Blackburn, P.E.
User Division - Planning
Central Office Liaison - Stephen De Witte, P.E.
Approximate Fee - \$500,000 (Lump Sum) Scoping Study
Project Funding - Federal Funds
Project Length - Approximately 1.10 miles

III. PURPOSE AND NEED

The purpose of this project is to improve safety and reduce congestion in the vicinity of the I-275 interchange with KY-9 (AA Highway). The objective of the study is to identify and evaluate potential improvement options and solidify their scope and priority. The highest priority improvements will then be further developed in Preliminary Engineering and/or an Interchange Modification Report (IMR), as appropriate.

This project was ranked 43rd in the North Region as part of the 2020 Strategic Highway Investment Formula for Tomorrow (SHIFT) with a score of 66.0.

IV. DBE REQUIREMENT

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 needs to 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 (Page 7) to

demonstrate this plan. A maximum of 5 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 engineering services including, but not limited to:

1st Phase: Scoping Study

- Draft purpose and need statement and identify project goals
- Collect, summarize and verify existing data to create an inventory of roadway items and possible 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
- Provide and analyze traffic data for the existing and future no-build and build scenarios
- Conduct public and stakeholder involvement activities, utilizing virtual and innovative techniques and develop Public Meeting Notebook
- Complete environmental overview and incorporate geotechnical overview
- Develop potential improvement options to improve safety and mobility at the interchange and surrounding area. These improvements could include small-scale maintenance and signal improvements, medium-scale spot improvements, or large-scale improvements. Improvements may be identified on the mainline interstate, ramps, AA Highway, or adjacent cross streets (such as Town Drive and Gloria Terrell Drive).
- Quantify safety, mobility, economic, and/or other benefits associated with potential improvements
- Provide planning-level cost estimates for all phases (D, R, U, C) and conduct planning-level benefit-cost analysis
- Submit a summary of findings in a Final Report

2nd Phase: Interchange Modification Report or Preliminary Engineering

Pending the outcome of the scoping study, selected improvements may be advanced to include preliminary engineering, environmental services, associated studies, and final design by contract modification.

The Department also reserves the right to advertise the entire Project or parts thereof for an Interchange Modification Report, Preliminary Engineering, and/or Final Design.

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>

KYTC will allow the following modifications to the standard response format for response to this project advertisement only:

- Section 2 (A-B): Prequalification Services and Staff Summary, will be expanded to permit an additional page (A-C) allowed.
- Section 3: Project Team Organizational Chart, will be expanded to permit an additional page, either as two 8-½" x 11" pages or a single 11" x 17" page.
- Section 7 (A-C): Project Approach, as standard procedure, the DBE Participation Plan should also be included in this portion of the response with an additional page (A-D) allowed.

VII. AVAILABLE STUDIES

[2050 OKI Metropolitan Transportation 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 will be provided by the Consultant. The initial scoping study will include an Environmental Overview with a red flag summary. Future phases of the project may include the preparation of an Environmental Document. Prequalification of various Environmental Services are required to be identified in the Consultant's Response to Announcement.

X. PHOTOGRAMMETRIC SERVICES

If photogrammetric information is not available for this project, the statewide LIDAR digital mapping is available for use.

XI. STRUCTURE DESIGN

The selected Consultant shall provide the necessary engineering services to determine needed improvements of the structures involved, if any. 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

It is anticipated that a Geotechnical Overview will be completed by the Department as part of the scoping study; however, the selected Consultant may be required to provide all Geotechnical Services required for the project. The Preliminary Engineering 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. The OKI MPO travel demand model is anticipated to be utilized in developing traffic projections. Microsimulation may be required to analyze potential improvement options.

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 Consultant will be responsible for a planning-level estimate of utility costs that will be reviewed by the Department for accuracy. In this or future phases, the Department will send project location maps to all potential Campbell county 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. The Consultant will then add the approximate location to manuscripts.

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

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

Environmental Archeology & Other Services

- Air Quality Analysis
- Prehistoric Archaeology
- Socio-Economic Analysis
- Highway Noise Analysis
- Historic Archaeology
- EIS Writing & Coordination
- Cultural-Historic Analysis

- Stream & Wetland Mitigation

Geotechnical Services (please see note below)

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

Intelligent Transportation Systems (please see note below)

- System Design, Deployment & Integration*

Roadway Design

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

Structure Design (please see note below)

- Spans Under 500 Feet*

Traffic Engineering

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

Transportation Planning

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

Utility Design (please see note below)

- Electrical Level 1*
- Utility Construction Inspection *
- Utility Preconstruction Coordination *
- Electrical Level 2*
- Gas Level 1*
- Communication*
- Water & Sewer Level 2*
- Water & Sewer Level 1*
- Gas Level 2*

* Note – Geotechnical, traffic engineering, ITS, structure design, some traffic engineering, and utility design prequalifications are not required with the initial proposal as it is uncertain to the extent practicable if they are necessary. Should any of 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 10, 2020
- Response Date: December 2, 2020 by 4:30 PM ET (Frankfort Time)
- First Selection: December 7, 2020
- Final Selection: December 23, 2020
- Pre-Design Conference: December 30, 2020
- Consultant Fee Proposal: January 8, 2021
- Contract Negotiations: January 20, 2021
- Notice To Proceed: February 10, 2021

XVII. PROJECT SCHEDULE

- Existing Conditions Meeting – April 2021
- Initial Improvement Concepts – June 2021
- Refined Improvement Concepts – September 2021
- Final Scoping Report – December 2021
- Advancement of Selected Concepts/Begin IMR – January 2022

It is the goal of the project team that any potential project is appropriately scoped prior to the enacting of *Kentucky's FY 2022 – FY 2028 Highway Plan* in the spring of 2022.

XVIII. EVALUATION FACTORS

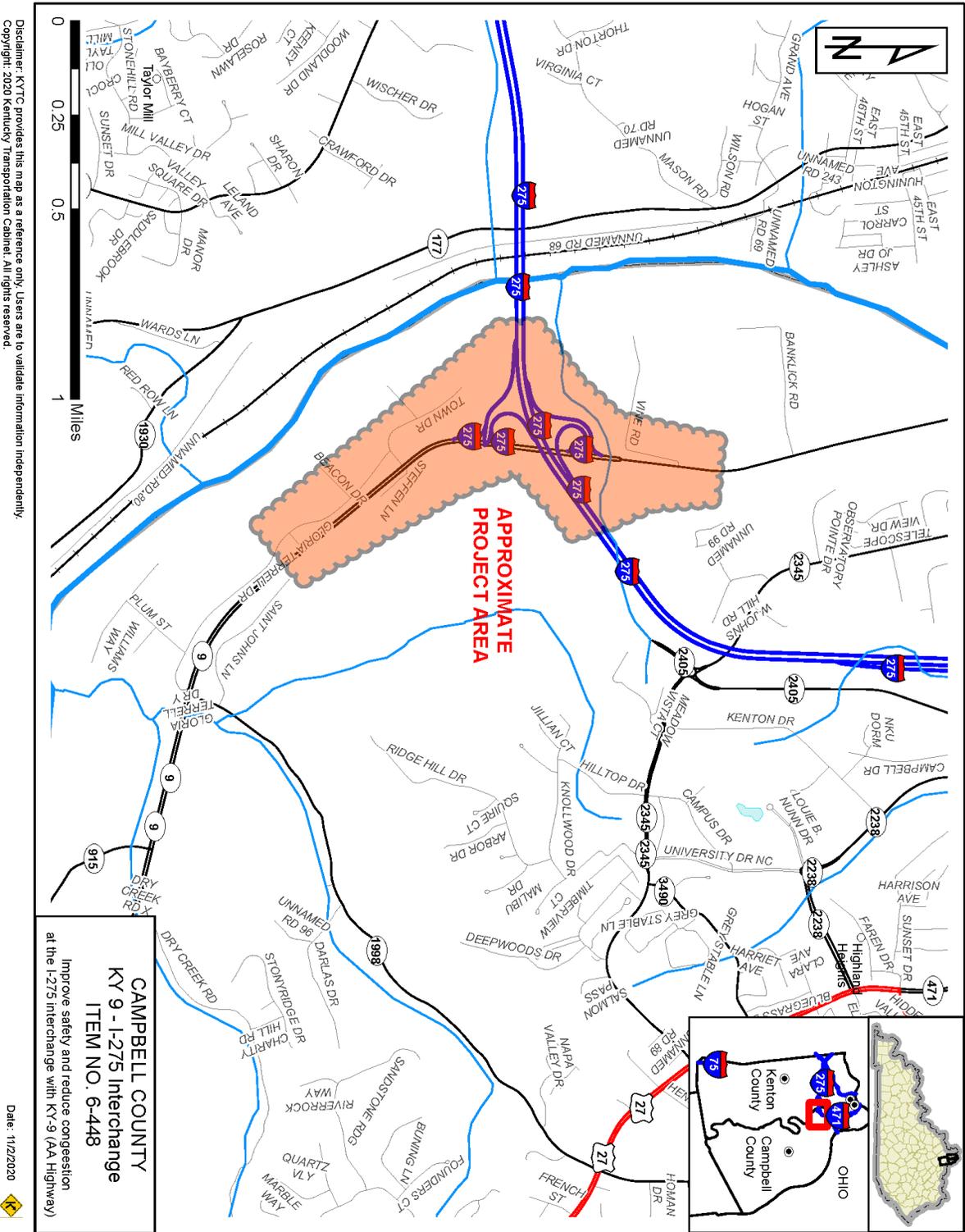
Consultants will be evaluated by the selection committee based on the following, weighted factors:

1. Project approach and proposed procedures to accomplish the services for the project. Approach should focus on the scoping study process. (25 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. (5 Points)
5. DBE Participation Plan. (5 Points)
6. Knowledge of the locality and familiarity of the general geographic area. (5 Points)

XIX. SELECTION COMMITTEE MEMBERS

1. Dane Blackburn, P.E., User Division
2. Stephen DeWitte, P.E., User Division
3. Charlie Dale, P.E., Secretary's Pool
4. David Erickson, P.E., Secretary's Pool
5. Cindy Evensen, 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: 11/2/2020
