

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2022-09
Madison | 7-8853 | KY-2881

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 - Madison
Route - KY-2881
Item No. - 7-8853.00
Project Description - Proposed roadway improvements from Duncannon Road to the Madison County Airport to include Caleast Road (KY-2881) at MP 0.783 - MP 2.780, John Ballard Road (KY-2877) at MP 0 – MP 0.806, and CR-1236 at MP 0 – MP 0.429 from Menelaus to Airport Road and a new bridge over Silver Creek

II. PROJECT INFORMATION

Project Manager - Lauren Meighan, P.E.
User Division - Highway Design
Approximate Fee - \$400,000 Preliminary Engineering & Environmental Services (Lump Sum)
Project Funding - SPP funds (State Funds)
Project Length - Approximately 3.232 miles

III. PURPOSE AND NEED

The purpose of this project is to provide feasible, efficient, and safe solution to improve the connectivity between the Central Kentucky Regional Airport and Duncannon Road while minimizing the impacts to the surrounding environment.

Currently, the existing route between Duncannon Road and the Central Kentucky Regional Airport is via KY-2881 (Caleast Road) and KY-2877 (John Ballard Road). These roadways are narrow rural secondary routes with little to no shoulder and inadequate sight distance in spots. There have been several collisions, particularly on KY-2881, that appear to be a result of narrow lane widths and a lack of clear zone. Based on an initial 5 year analysis there have been 24 reported collisions resulting in 1 fatality, 5 injuries, and 20 property only collisions. Traffic forecasts from the 2017 SUA Study show a significant increase of traffic due to investments to the Airport in an effort to expand EKU's Aviation Program, and potential commercial and multi-use development in the area. By 2040, the traffic projections show an ADT of 7890 on KY-2881, which has a calculated LOS of D.

IV. DBE REQUIREMENT

None

V. SCOPE OF WORK

The selected Consultant will be required to provide Preliminary Roadway Design and Environmental Services, including the preparation of engineering studies, identification of appropriate typical sections, identifying any utility impacts, performing drainage design, developing dependable cost estimates, and conducting and preparing documents for public meetings.

This project may be advanced to Final Design upon the completion of Preliminary Engineering 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

[DNA Study – Madison | 7-8853 | KY-2881 \(Central KY Regional Airport Connector Road\)](#)

[Plan Sheets – Madison | 7-235 | KY-52](#)

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 expected to be provided by the Consultant. The anticipated environmental document will be a Categorical Exclusion Level 3. Prequalification of various Environmental Services are required to be identified in the Consultant's Response to Announcement.

X. PHOTOGRAMMETRIC SERVICES

The Department will provide LiDAR digital mapping and will furnish manuscripts on computer disks in DGN format. The selected Consultant shall supplement this information with conventional surveying as needed.

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 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 Department will provide the traffic projections. The selected Consultant will provide the analysis of the existing and proposed operations. Traffic Signal Design and Lighting Design services are not anticipated, if necessary for the completion of Final Design, and 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. Prequalification in the area of Traffic Engineering is required to be identified in the Consultant's Response to Announcement.

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 in the PL&G submittal.

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

Roadway Design

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

Traffic Engineering

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

Environmental & UST Services* (see note below)

- *UST & Hazmat Preliminary Site Assessment (Phase 1)**
- *UST Closure Assessment**
- *Hazmat Corrective Action**
- *UST Site Investigation (Phase 2)**
- *Hazmat Site Investigation (Phase 2)**
- *UST Corrective Action**

Geotechnical Services* (see note below)

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

Structure Design* (see note below)

- *Spans Under 500 Feet**

Transportation Planning* (see note below)

- Pedestrian & Bicycle Planning & Design*

Utility Design* (see note below)

- Utility Construction Inspection*
- Utility Preconstruction Coordination*
- Communication*

* 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: March 8, 2022
- Response Date: March 30, 2022 by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: April 4, 2022
- Final Selection: April 20, 2022
- Pre-Design Conference: April 27, 2022
- Consultant Fee Proposal: May 6, 2022
- Contract Negotiations: May 18, 2022
- Notice to Proceed: June 8, 2022

XVII. PROJECT SCHEDULE

- Public Meeting December 2022
- Preliminary Line & Grade May 2023
- Design Executive Summary June 2023

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. Lauren Meighan, P.E., User Division
2. Adam Ulrich, P.E., User Division
3. Charlie Dale, P.E., Secretary's Pool
4. David Erickson, P.E., Secretary's Pool
5. R. Bruce Scott, 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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