

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2023-02
Powell | 10-80250 | KY-11

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 -	Powell
Route -	KY-11
Item No. -	10-80250.00
Project Description -	Construct a bridge from KY 11 across the Bert T. Combs Mountain Parkway

II. PROJECT INFORMATION

Project Manager -	Darren Back, P.E.
User Division -	Highway Design
Approximate Fee -	\$750,000 Planning, Preliminary Engineering & Environmental Services (Lump Sum)
Project Funding -	State Funds (SPP Funds)
Project Length -	Approximately 0.45 miles

III. PURPOSE AND NEED

An economic development project for tourism is in process in this area of the Red River Gorge which could create increased transportation demand. An increase in demand could result in safety and capacity issues on adjoining state routes. This project will evaluate the tourism projects impact on the transportation facilities in the area and make recommendations for improvements to existing roads and recommendations for a new structure over the Mountain Parkway to accommodate the development traffic.

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

The selected Consultant will be responsible for providing Planning, Preliminary Environmental, and some Preliminary Engineering services. The project team and selected Consultant will coordinate with local agencies and development groups, review development plans, and make projections on the increased transportation demand. Existing data will be evaluated, a Purpose and Need Statement drafted, and recommendations developed for improvements to safely accommodate increased traffic numbers. Conceptual alternates for a new structure from KY 11 over the Mountain Parkway connecting to the proposed development will be developed.

This project may be advanced to a full Preliminary Design phase upon the completion of this Planning, Environmental, and Preliminary Engineering contract through a Contract Modification. At the completion of the Preliminary Engineering phase, the project may be advanced to Final Design. 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. 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

Some necessary Environmental Services are expected to be provided by the Consultant. For this phase, an environmental overview will be required. The anticipated environmental document will be a Categorical Exclusion Level 1. Prequalification of various Environmental Services are required to be identified in the Consultant's Response to Announcement.

IX. PHOTOGRAMMETRIC SERVICES

Not anticipated for this phase.

X. STRUCTURE DESIGN

Structure Design is anticipated to be involved for conceptual purposes in this phase. 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.

XI. 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.

XII. TRAFFIC ENGINEERING

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

XIII. UTILITIES

The selected Consultant may be required to provide utility related services for this project.

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:

ENVIRONMENTAL & UST SERVICES

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

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
- Environmental Document Writing & Coordination
- Cultural-Historic Analysis
- Stream & Wetland Mitigation

ROADWAY DESIGN

- Rural Roadway Design
- Surveying
- Urban Roadway Design
- *Advanced Traffic Engineering Design & Modeling* (please see note below)*
- *Advanced Drainage Analysis & Design* (please see note below)*
- *Photogrammetry & Related Services* (please see note below)*

STRUCTURE DESIGN

- Spans Under 500 Feet

TRANSPORTATION PLANNING

- Traffic Forecasting
- Traffic Data Collection
- Pedestrian & Bicycle Planning & Design
- Transportation Planning Engineering
- *Travel Demand & Simulation Modeling* (please see note below)*
- *Conceptual Transportation Planning* (please see note below)*

Geotechnical Services* (please see note below)

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

Right of Way* (please see note below)

- *Relocation**
- *Acquisition**
- *Appraisal**
- *Appraisal Review**

Traffic Engineering* (please see note below)

- *Electrical Engineering Roadway Lighting**
- *Traffic Engineering**
- *Electrical Engineering Traffic Signals**

Utility Design* (please see note below)

- *Utility Preconstruction Coordination**

* 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: August 9, 2022
- Response Date: August 31, 2022 by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: September 2, 2022
- Final Selection: September 21, 2022
- Pre-Design Conference: September 28, 2022
- Consultant Fee Proposal: October 7, 2022
- Contract Negotiations: October 19, 2022
- Notice to Proceed: November 9, 2022

XVI. PROJECT SCHEDULE

- Preliminary Alternates for Review March 2023
- Stakeholders Meeting April 2023
- Final Meeting May 2023
- Draft Report June 2023
- Final Report July 2023

XVII. EVALUATION FACTORS

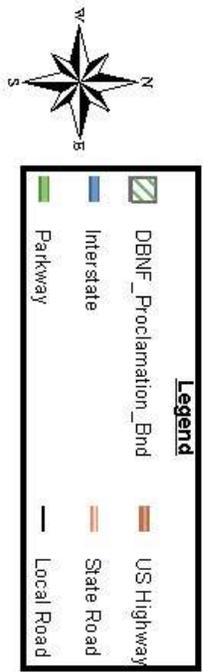
Consultants will be evaluated by the selection committee based on the following weighted factors:

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. (2 Points)

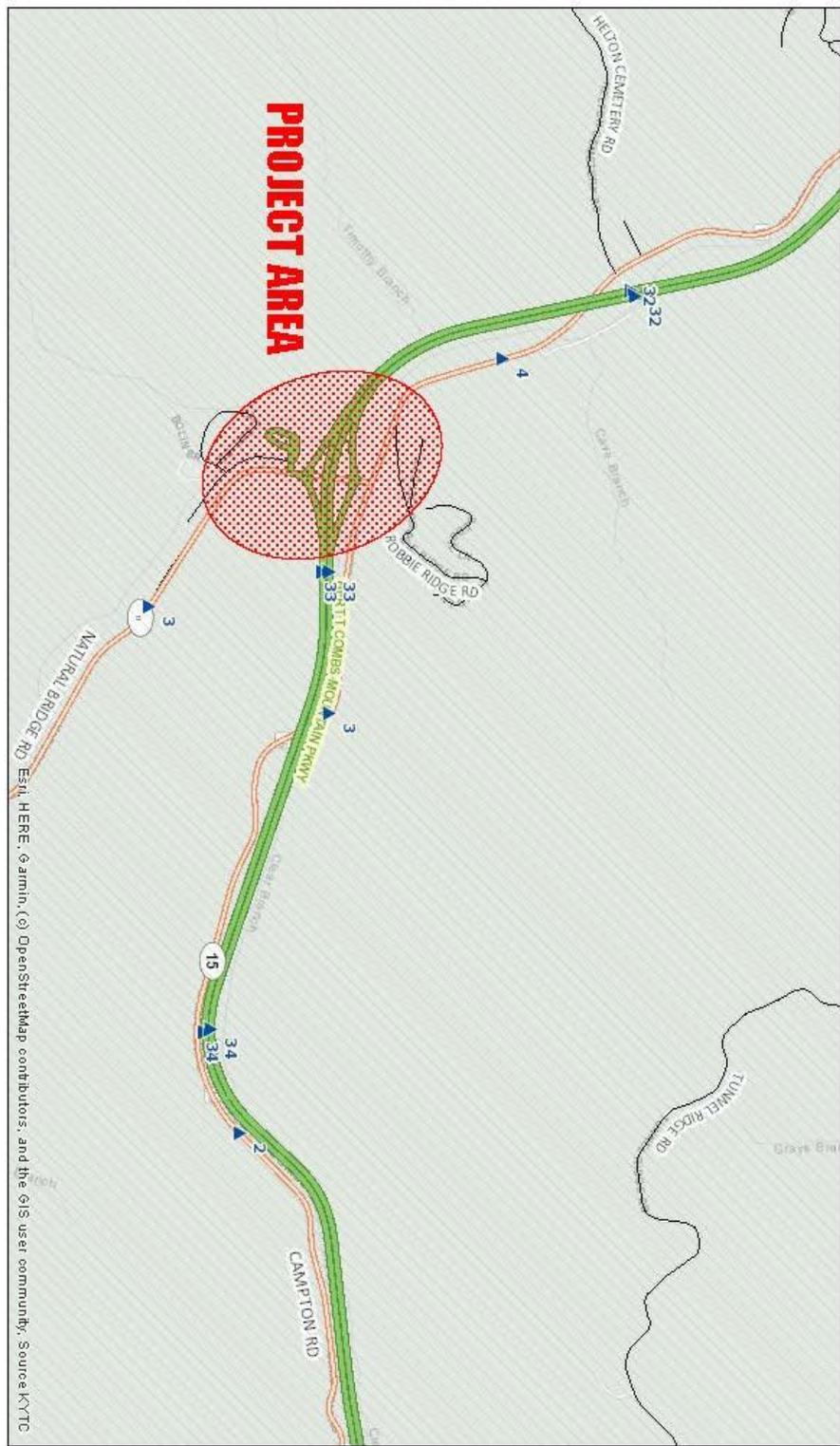
XVIII. SELECTION COMMITTEE MEMBERS

1. Darren Back, P.E., User Division
2. Aric Skaggs, P.E., User Division
3. Charlie Dale, P.E., Secretary's Pool
4. Amanda Desmond, P.E., Secretary's Pool
5. Bart Bryant, P.E., Governor's Pool

XIX. AREA MAP



Author: Professional Services
Date: 8/1/2022



10-80250 Powell County