

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2019-11
Breathitt | 10-5014 | KY-15

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 - Breathitt
Route - KY-15
Item No. - 10-5014.00
Project Description - Rockfall Mitigation on KY-15 from 0.593 miles north of Beverly Road (MP 13.750) to KY-1098/KY-1813 (MP 14.644)

II. PROJECT INFORMATION

Project Manager - Darren Back, P.E.
User Division - Highway Design
Approximate Fee - \$300,000 Preliminary Engineering (Lump Sum)
Project Funding - State Funds (SPP)
Project Length - Approximately 0.9 miles

III. PURPOSE AND NEED

KY-15 is a primary arterial route in southeast Kentucky that connects the area to the Mountain Parkway, Hal Rogers Parkway, and US-119. The road is characterized by deficient roadway geometrics, inadequate clear zone, the presence of slower moving heavy trucks, restricted passing opportunities, and no access control. Over 9.5 miles of KY-15 has been reconstructed or is currently under construction in Breathitt and Perry Counties.

This section of KY-15 is bordered by a vertical rock cut on one side and the North Fork of Kentucky River on the other. The vertical rock face has deteriorated since construction, producing a rock fall hazard area. This hazard has become more serious in recent years, causing damage to the road, maintenance equipment, and travelers of this route.

The purpose of this project is to develop a plan to mitigate the rock fall hazard area that may conform with future KY-15 corridor projects.

IV. DBE REQUIREMENT

Not required

V. SCOPE OF WORK

The selected Consultant will be required to provide engineering services to perform Preliminary Engineering. Preliminary Engineering includes preliminary line and grade plans, preliminary drainage design, cost estimates, and gathering any necessary survey for the project area.

The selected Consultant may be required to provide Final Roadway Design, which may be added to the contract agreement by a contract modification when Preliminary Engineering and Environmental Analysis is complete. Final Roadway Design includes, at a minimum, preparation of joint inspection plans, drainage design, Preliminary, Advanced, and Final drainage folders, right-of-way plans, construction plans and post construction Best Management Practices (BMP), signing and pavement marking plans, traffic control plans, final cost estimates, and an anticipated construction schedule.

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

[Programming Study – KY-15 from Campton to Hazard](#)

[DGN Files from Programming Study – KY-15 from Campton to Hazard](#)

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.

IX. ENVIRONMENTAL SERVICES

The Department will provide any necessary Environmental Services required for the project.

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

The Department will provide any necessary Structure Design required for the project.

XII. GEOTECHNICAL SERVICES

The selected Consultant is expected to 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 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 selected Consultant shall locate all existing utilities and locate them on the plans provided to the Department. The Department will provide a preliminary utility contact list, provide all utility cost estimates, as well as coordinate utility plans and relocations. The selected Consultant shall be responsible for verifying utilities involved, a level B locate, and including the locations, size and type of utility on the plans

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
- Surveying

GEOTECHNICAL SERVICES

- Drilling Services
- Engineering Service
- Laboratory Testing Services

ENVIRONMENTAL AQUATIC AND TERRESTRIAL ECOSYSTEMS (please see note below)

- *Fisheries*
- *Macroinvertebrates*
- *Water Quality*
- *Botany*
- *Zoology*
- *Wetlands*

ENVIRONMENTAL ARCHAEOLOGY AND OTHER SERVICES (please see note below)

- *Prehistoric*
- *Historic*
- *Highway Noise Analysis*

- Air Quality Analysis
- Socioeconomic Analysis
- Cultural Historic Analysis
- EIS Writing and Coordination

ENVIRONMENTAL AND UST SERVICES (please see note below)

- UST & Hazmat Preliminary Site Assessment (Phase I)

STRUCTURAL DESIGN (please see note below)

- Spans under 500 feet

RIGHT OF WAY SERVICES (please see note below)

- Acquisition Services
- Relocation Services

UTILITY DESIGN SERVICES (please see note below)

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

Note – Environmental, structural, right-of-way, and/or 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, the selected Consultant team must obtain the required qualifications before providing those services.

XVI. PROCUREMENT SCHEDULE

Dates other than Response Date are tentative and provided for information only.

- Advertisement Date – May 14, 2019
- Response Date – June 5, 2019 by 4:30pm ET (Frankfort Time)
- First Selection Meeting – June 10, 2019
- Final Selection Meeting – June 26, 2019
- Pre-Design Conference – July 3, 2019
- Fee Proposal – July 12, 2019
- Contract Negotiations – July 24, 2019
- Notice to Proceed – August 22, 2019

XVII. PROJECT SCHEDULE

- Preliminary Alternates for Review – February 15, 2020
- Preliminary Line & Grade – May 15, 2020
- Preliminary Right-of-Way & Utility Plans – September 15, 2020

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. ~~Aric Skaggs, P.E.~~ **Darren Back, P.E.**, User Division
2. Wendy Southworth, P.E., User Division
3. Dane Blackburn, P.E., Secretary's Pool
4. Craig Caudill, P.E., Secretary's Pool
5. Kellie Baker, P.E., Governor's Pool

XX. AREA MAP

