

# A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways  
Professional Services Procurement Bulletin 2019-05  
Gallatin | 6-8910 | I-71

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 - Gallatin  
Route - I-71  
Item No. - 06-8910.00  
Project Description - Improve geometrics on I-71 from US 127 to mile point 64

## **II. PROJECT INFORMATION**

Project Manager - Brandon Seiter, P.E.  
User Division - Highway Design  
Approximate Fee - \$800,000 Preliminary Engineering & Environmental Services (Lump Sum)  
Project Funding - Federal (NH funds)  
Project Length - Approximately 3 miles

## **III. PURPOSE AND NEED**

The purpose of this project is to improve safety by reducing the number of crashes. The Critical Rate Factor for this 2 mile stretch of I-71 is 1.86. From years 2009 to 2011 there were 41 crashes in wet or snowy weather, 38 single vehicle run-off-the-road crashes, 8 vehicle malfunctions and 2 collisions with deer. Four crashes were located within the spiral horizontal curve near mile point 63.0. From January 1, 2013 to July 24, 2013 there have been more crashes than all of the year 2012. These crashes occurred following complete pavement rehabilitation in 2011 to repair deficient cross slopes. Motorists must negotiate 4% grades leading to back to back spiral curves.

## **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 4 points will be considered in the Evaluation Factors for the DBE Participation Plan.

## **V. SCOPE OF WORK**

The selected Consultant shall complete all investigations and documents, including environmental analysis, and safety review to receive FHWA approval. The Consultant Team will be expected to prepare for and lead all project team, stakeholder, local official, and public meetings.

The selected Consultant will be asked to perform Preliminary Engineering services. Preliminary Engineering includes line and grade plans, traffic engineering analysis as per Design Memo 03-11, preliminary drainage, and cost estimates. The Consultant may also be asked to perform Final Design services by Contract Modification upon the completion of Preliminary Engineering.

## **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**

[I-71 Corridor Study between I-64 in Jefferson County and I-75 in Boone County](#)

## **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**

Any necessary Environmental Services will 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 required to be identified in the Consultant's Response to Announcement.

## **XII. GEOTECHNICAL SERVICES**

Provided by the Department

## **XIII. TRAFFIC**

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.

## **XIV. UTILITIES**

The selected Consultant will be responsible for determining the existing locations of utilities to determine feasibility of redesign or utility relocation and cost estimates. The selected Consultant may be required to provide utility related services for this project, which may include construction inspection.

The selected Consultant shall locate all existing utilities and locate them on the plans provided to the Department. The Department will develop the utility contact list. 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.

The Department will authorize B.U.D. (Before You Dig) to field-locate utilities during final design. The Consultant shall perform field surveys to collect the B.U.D. data. Horizontal location of existing utilities shown on final plans shall be adjusted as necessary to reflect actual B.U.D. locates.

## **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

### STRUCTURE DESIGN

- Spans under 500 feet

### ENVIRONMENTAL AQUATIC AND TERRESTRIAL ECOSYSTEMS

- Fisheries
- Macroinvertebrates

- Water Quality
- Botany
- Zoology
- Wetlands

#### ENVIRONMENTAL ARCHAEOLOGY AND OTHER SERVICES

- Prehistoric
- Historic
- Highway Noise
- Air Quality Analysis
- Socioeconomic Analysis
- Cultural Historic Analysis
- EIS Writing and Coordination

#### ENVIRONMENTAL AND UST SERVICES

- UST & Hazmat Preliminary Site Assessment (Phase I) **or**
  - Hazmat Preliminary Site Assessment (Phase I) **and**
  - UST Preliminary Site Assessment

#### TRAFFIC ENGINEERING

- Traffic Engineering Services
- Electrical Engineering Services for Roadway Lighting

#### GEOTECHNICAL SERVICES (please see note below)

- *Drilling Services*
- *Engineering Services*
- *Laboratory Testing Services*

#### RIGHT OF WAY SERVICES (please see note below)

- *Acquisition Services*
- *Relocation Services*

#### UTILITY DESIGN SERVICES (please see note below)

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

*Note – Geotechnical, 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.

- Bulletin Posted – November 13, 2018
- Response Date – December 5, 2018 by 4:30 PM ET (Frankfort Time)
- First Selection – ~~December 11, 2018~~ **December 10, 2018**
- Final Selection – December 21, 2018
- Pre-Design Conference – January 2, 2019
- Fee Proposal – January 11, 2019
- Contract Negotiations – January 23, 2019
- Notice to Proceed – February 21, 2019

## **XVII. PROJECT SCHEDULE**

- Preliminary Line & Grade Inspection – March 2020
- Joint Inspection – March 2021
- Right-of-Way & Utility Plans – August 2021
- Final Plans – August 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. Organizational structure of team and approach of team to manage the development of the project (15 points)
5. Capacity to comply with project schedule. (10 Points)
6. DBE Participation Plan. (10 Points)
7. Knowledge of the locality and familiarity of the general geographic area. (2 Points)

## **XIX. SELECTION COMMITTEE MEMBERS**

1. Mike Bezold, P.E., User Division
2. Randy Turner, P.E., User Division
3. ~~Wendy Southworth, P.E., Secretary's Pool~~ **Stewart Lich, P.E.**
4. ~~Patrick Perry, P.E., Secretary's Pool~~ **Dane Blackburn, P.E.**
5. ~~Brad Rister, P.E., Governor's Pool~~ **Kellie Baker, P.E.**

**XX. AREA MAP**

Disclaimer: KYTC provides this map as a reference only. Users are to validate information independently.  
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