

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2019-11
Nelson | 4-8809 | New Route / US-62

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 -	Nelson
Route -	New Route / US-62
Item No. -	04-8809.00
Project Description -	New Route between US-62 and KY-245 west of Bardstown US 62 Improvements between New Route and US 31E Intersection

II. PROJECT INFORMATION

Project Manager -	Kevin Blain, P.E.
User Division -	Highway Design
Approximate Fee -	\$250,000 Preliminary Engineering & Environmental Services (Lump Sum)
Project Funding -	State Construction High Priority Project Funds (SPP)
Project Length -	Approximately 3 miles

III. PURPOSE AND NEED

To improve transportation network connectivity to the west of Bardstown and reduce congestion as well as improve safety by reducing crash rates in the downtown area.

The City of Bardstown has experienced growth in vehicular traffic and local truck traffic that affects safety and mobility within the study area. The project need is revealed in the areas of system linkage, capacity, and safety.

IV. DBE REQUIREMENT

None

V. SCOPE OF WORK

This project will consist of two segments, with two separate scopes for the selected Consultant. See the Area Map in Section XX for additional information:

- New Route, priority 'pink', as identified in the completed connectivity study and as identified on attached Project Map as "Connector Project Area":

- District Design and/or Department staff will be primarily responsible for the preliminary roadway design of the new route, including, but not limited to: preliminary line and grade plans, preliminary drainage, preliminary structure design, traffic engineering analysis, cost estimates, and survey activities to support preliminary engineering.
- The selected Consultant will be required to provide engineering support services for this segment, which may include, but are not limited to: Environmental Analysis, Roadway Design Training and/or Assistance, Drainage Design Training and/or Assistance, Plan Review, QA/QC, Public Involvement Support, Project Management Guidance, Conceptual Future 'Orange' Route Connections, and Meeting Attendance and Documentation.
- Existing Route Improvements - US-62 improvements between the new route intersection up to and including the existing US-62/US-31E intersection
 - The scope of this segment will be to review the existing roadway and intersection conditions and develop appropriate alternatives to accommodate existing and future traffic conditions in consideration of the connectivity study and proposed new route.
 - The selected Consultant will be required to provide engineering services to perform Preliminary Engineering and Environmental Analysis. Preliminary Engineering includes preliminary line and grade plans, traffic engineering analysis as per Design Memo 03-11, Advance Traffic Engineering Design & Modeling (US-31E intersection), preliminary drainage and preliminary structure 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

[Western Bardstown Connectivity Study](#)

[Intersection Traffic Analysis US-62/US-31E](#) – This study was commissioned by a local entity and not overseen or approved by KYTC. It is provided for informational purposes only.

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.

It is anticipated that the initial contract will only include sufficient Environmental Services to perform a 'red-flag' study of the project area, including, but not limited to, historic and socioeconomic overviews.

X. PHOTOGRAMMETRIC SERVICES

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

XI. STRUCTURE DESIGN

The Department is expected to provide any necessary Structure Design required for the project.

XII. GEOTECHNICAL SERVICES

The Department is expected to provide all Geotechnical Services required for the project.

XIII. TRAFFIC ENGINEERING

The Department is expected to provide all traffic projections and related information. A Traffic Forecast Report has been completed as part of the Connectivity Study, linked in Section VII, and can be found in the appendices of that document.

The selected Consultant is required to be prequalified in the area of Advanced Traffic Engineering & Design. These services are anticipated to be utilized for analysis of alternatives for the US-62/US-31E intersection.

XIV. UTILITIES

To the extent responsible for Survey, 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 as well as coordinate utility plans and relocations. The selected Consultant may be responsible for verifying utilities involved, a level B locate, providing utility cost estimates, 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
- Urban Roadway Design
- Surveying
- Advanced Traffic Engineering Design & Modeling

ENVIRONMENTAL AQUATIC AND TERRESTRIAL ECOSYSTEMS

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

ENVIRONMENTAL ARCHAEOLOGY AND OTHER SERVICES

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

ENVIRONMENTAL AND UST SERVICES

- UST & Hazmat Preliminary Site Assessment (Phase I)

STRUCTURAL DESIGN (please see note below)

- Spans under 500 feet

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

Note – Structural, 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.

- 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

- Public Meeting to Present Alternatives – March, 2020
- Preliminary Line & Grade – June, 2020

XVIII. EVALUATION 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. Bradley Bottoms, P.E., User Division
2. Chris Smith, P.E., User Division
3. Wendy Southworth, P.E., Secretary's Pool
4. Patrick Perry, P.E., Secretary's Pool
5. Cole Mitcham, P.E., Governor's Pool

XX. AREA MAP

