

# A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways  
Professional Services Procurement Bulletin 2023-03  
Nelson/Bullitt | 4-8307.20 | KY-245

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 - Bullitt  
Route - KY-245  
Item No. - 4-8307.20  
Project Description - Widen KY-245 from Flaget Hospital (MP 7.722) through county line (MP 12.261 Nelson/MP 0.000 Bullitt) to Happy Hollow Rd (MP 4.425)

## **II. PROJECT INFORMATION**

Project Manager - Kevin Blain, P.E.  
User Division - Highway Design  
Approximate Fee - \$400,000 Preliminary Engineering & Environmental Services (Lump Sum)  
Project Funding - SPP State Construction Funds  
Project Length - Approximately 8.97 miles

## **III. PURPOSE AND NEED**

To improve mobility and make travel time more efficient and reliable along the KY-245 corridor, while improving safety.

KY-245 is a heavily travelled connector between Bardstown and I65 in Central Kentucky. With recent growth of Bardstown and the surrounding area, traffic volumes have increased along the project corridor. Having infrequent opportunities to pass, traffic tends to queue, and impatient drivers tend to make unsafe passing maneuvers. Not only passing, but congestion has become an issue along the route in the Deatsville community due to the creation of subdivisions and commercial businesses in the area.

## **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 required to provide preliminary engineering services to explore alignments and typical sections that would fulfill the project's Purpose and Need. Having limited existing Right of Way in certain areas, flexibility and iterations will be required to maximize the available area, while minimizing impacts to the adjoining property owners and facilities. Existing geometry to be analyzed with any crash clusters identified to explore spot improvements.

With the recent growth of Bardstown and surrounding areas, traffic has increased along the KY 245 corridor leading out of Bardstown connecting to I-65. To mitigate congestion, KYTC is considering alternatives, including a 5 lane section from Flaget Hospital to the Deatsville community. From the Deatsville area to the project termini a 2+1 type facility is being considered. The development of other alternatives will be considered and are encouraged that meet the Purpose and Need of the project. Congestion in the Deatsville area is a concern, and innovative solutions will be encouraged to reduce traffic conflicts.

Environmental resources will be identified to help steer project decisions.

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 – Bullitt | 4-8307.20 | KY-245](#)

## **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**

Most 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 statewide LiDAR digital mapping. 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 all traffic projections and related information.

#### **XIV. UTILITIES**

The selected Consultant will send project location maps to all potential utility contacts to determine whether they may have existing utilities within these project limits. The selected Consultant 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 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 ARCHEOLOGY & OTHER SERVICES

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

## ROADWAY DESIGN

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

## Environmental Aquatic & Terrestrial Ecosystems Analysis\* (see note below)

- *Fisheries\**
- *Botany\**
- *Terrestrial Zoology\**
- *Wetlands\**
- *Freshwater Macroinvertebrates\**
- *Water Quality\**

## 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 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.

**XVI. PROCUREMENT SCHEDULE**

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

- Advertisement Date: September 13, 2022
- Response Date: October 5, 2022 by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: October 10, 2022
- Final Selection: October 26, 2022
- Pre-Design Conference: November 2, 2022
- Consultant Fee Proposal: November 11, 2022
- Contract Negotiations: November 23, 2022
- Notice to Proceed: December 14, 2022

**XVII. PROJECT SCHEDULE**

- Public Meeting to Present Alternatives July 2023
- Preliminary Line & Grade October 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. (30 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. Kevin Blain, P.E., User Division
2. Adam Ulrich, P.E., User Division
3. Charlie Dale, P.E., Secretary's Pool
4. Erika Drury, P.E., Secretary's Pool
5. R. Bruce Scott, P.E., Governor's Pool

**XX. AREA MAP**

