

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2022-07
Knox | 11-80155 | KY-1487

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 - Knox
Route - KY-1487
Item No. - 11-80155.00
Project Description - Improve safety, address geometric deficiencies and provide flood mitigation on KY 1487 (Manchester Street) from Judge Street to US 25E

II. PROJECT INFORMATION

Project Manager - Sherri Chappell, P.E.
User Division - Highway Design
Approximate Fee - \$300,000 Preliminary Engineering & Environmental Services (Lump Sum)
Project Funding - State Funds (SPP funds)
Project Length - Approximately 0.807 miles

III. PURPOSE AND NEED

The purpose of this project to is to improve safety, address geometric deficiencies and provide flood mitigation on KY 1487 from MP 0.369 to 1.176. This project is needed due to the many local residents that travel this route from and to town on a regular basis. Additionally, Union College, the Stivers Wellness Center and the National Guard Armory are all conveniently located near this entrance to Barbourville. In addition to improving overall safety of the route, the most pressing concern along this roadway is a single lane railroad underpass with insufficient sight distance in both directions with frequent flooding that causes road closures.

IV. DBE REQUIREMENT

None

V. SCOPE OF WORK

This project is three tenths of a mile inside the city floodwall while approximately five tenths is

outside the floodwall where flooding is an issue, along with a one lane railroad underpass with little to no sight distance either direction approaching the underpass.

The selected consultant will be required to provide engineering services to perform Preliminary Engineering and Environmental Services. Preliminary Engineering includes surveying, line and grade plans, traffic engineering analysis as per Design Memo 03-11, preparation of engineering studies, identification of appropriate typical sections, identifying any utility impacts, performing preliminary drainage design, developing dependable cost estimates and conducting and preparing documents for public meetings.

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, 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 – Knox | 11-80155 | KY-1487](#)

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

Any necessary Environmental Services are expected to be provided by the Consultant. 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.

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 is expected to provide any necessary Structure Design required for the project. However, if structure design is needed 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. The selected Consultant must obtain the required qualifications before providing these services, or bring a prequalified subconsultant at that time.

XII. GEOTECHNICAL SERVICES

The Department is expected to provide all Geotechnical Services but the selected Consultant may be asked to provide Geotechnical Services required for the projects. 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; however, the selected Consultant must obtain the required qualifications before providing these services, or bring a prequalified subconsultant at that time.

XIII. TRAFFIC ENGINEERING

The Department is expected to provide all traffic projections and related information. Prequalification in the area of Traffic Engineering is not required to be identified in the Consultant's Response to Announcement; however, the selected Consultant must obtain the required qualifications before providing these services, or bring a prequalified subconsultant at that time.

XIV. UTILITIES

The selected Consultant shall provide a project location map to the Department. The Department will send project location maps to all potential utility contacts to determine whether they may have existing utilities within these project limits. The Department will develop the utility contact list. Facility atlas maps received for this project will be provided to the selected Consultant. 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 Aquatic & Terrestrial Ecosystems Analysis](#)

- Fisheries
- Botany
- Terrestrial Zoology
- Freshwater Macroinvertebrates

Environmental Archeology & Other Services

- Prehistoric Archaeology
- Highway Noise Analysis
- Historic Archaeology
- EIS Writing & Coordination
- Cultural-Historic Analysis
- Stream & Wetland Mitigation

Roadway Design

- Rural Roadway Design
- Surveying
- Advanced Drainage Analysis & Design
- ~~Photogrammetry & Related Services~~

Geotechnical Services* (please see note below)

- Geotechnical Engineering
- Geotechnical Drilling
- Geotechnical Laboratory Testing

Structure Design* (please see note below)

- Spans Under 500 Feet

Traffic Engineering* (please see note below)

- Traffic Engineering

** Note – Geotechnical Services, Structure Design, and Traffic Engineering 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: January 11 2022
- Response Date: February 2, 2022 by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: February 7, 2022
- Final Selection: February 23, 2022
- Pre-Design Conference: March 2, 2022
- Consultant Fee Proposal: March 11, 2022
- Contract Negotiations: March 23, 2022
- Notice to Proceed: April 13, 2022

XVII. PROJECT SCHEDULE

- Preliminary Line & Grade Inspection November 15, 2022

XVIII. EVALUATION FACTORS

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

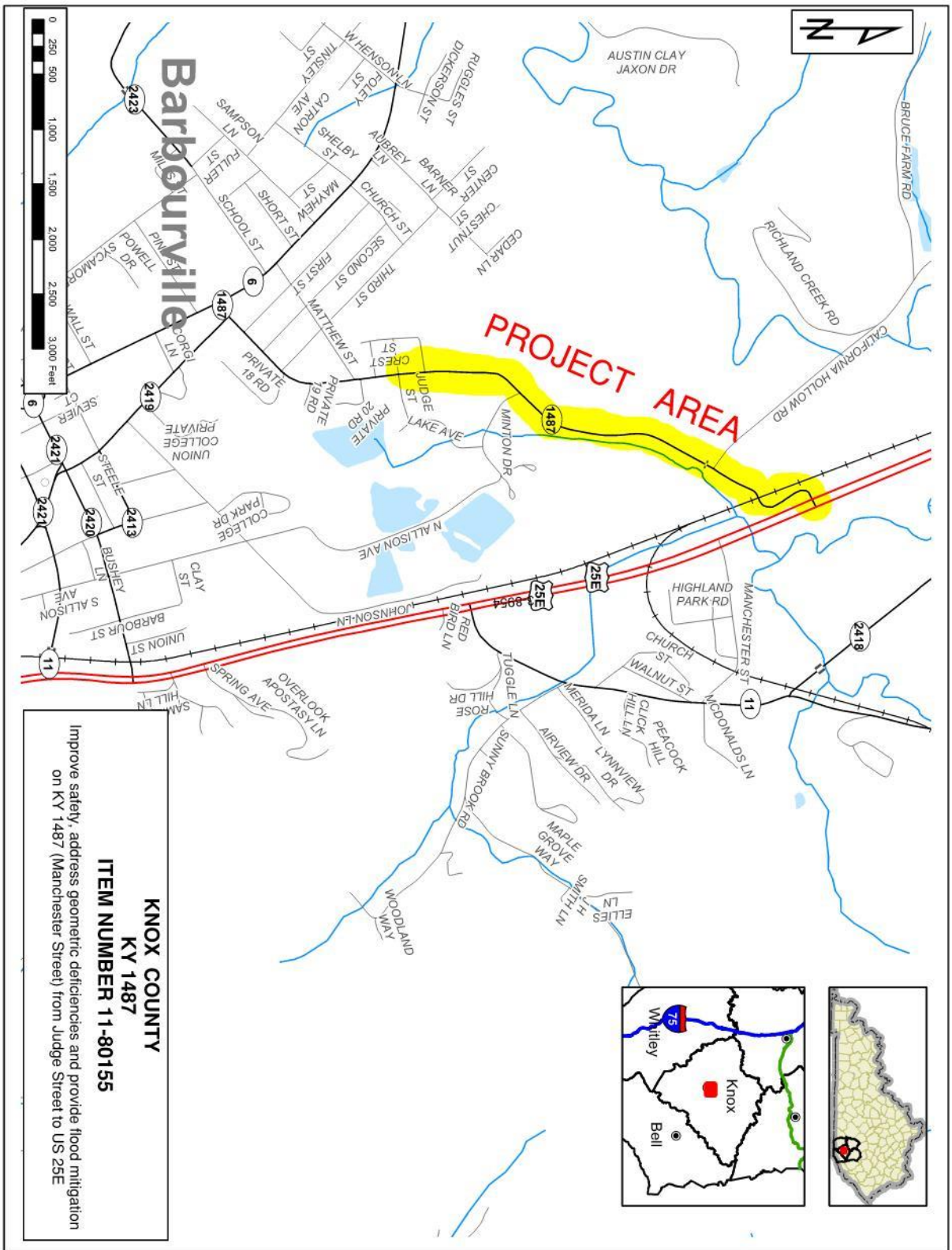
1. Project approach and proposed procedures to accomplish the services for the project. (20 Points)
2. Relative experience of consultant personnel assigned to project team with highway project for KYTC and/or federal, local or other state governmental agencies. (15 Points)
3. Past record of performance 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. Sherri Chappell, P.E., User Division
2. Kevin Sandefur, P.E., User Division
3. Erika Drury, P.E., Secretary's Pool
4. Larry Krueger, P.E., Secretary's Pool
5. R. Bruce Scott, P.E., Governor's Pool

XX. AREA MAP

Disclaimer: KYTC provides this map as a reference only. Users are to validate information independently.
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KNOX COUNTY
KY 1487
ITEM NUMBER 11-80155

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Date: 1/3/2022