

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2021-08
Boyle | 7-80000 | New Route

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 -	Boyle
Route -	New Route
Item No. -	7-80000.00
Project Description -	Construct a new connector road on the east side of Danville connecting KY-34 and US-150 bypass (18ccn) (2020ccr)

II. PROJECT INFORMATION

Project Manager -	Joshua Samples, P.E.
User Division -	Highway Design
Approximate Fee -	\$350,000 (Lump Sum) Preliminary Engineering & Environmental Services
Project Funding -	Federal Funds
Project Length -	Approximately 2.4 miles

III. PURPOSE AND NEED

The purpose of this project is to explore and provide feasible solutions to improve the safety, mobility, and connectivity in the East Danville/Boyle County area between KY 34 and US 150 Bypass. Per the 2017 Danville/Boyle County Comprehensive Plan, two of the major carriers into and out of Danville is KY 34, which sees as many as 15,500 vehicles per day and US 150, which carries over 11,800 vehicles per day. Both routes carry a considerable percentage of truck traffic. Per the 2019 traffic counts, KY 34 tabulated 6.36% trucks and US 150 tabulated 16.50% trucks. Current traffic volumes this high warrants consideration of a 4-lane roadway, however due to right of way constraints, particularly on KY 34, the options for improvement on the existing roadway network are limited and imprudent. Based on a collision analysis from the Kentucky State Police Collision Analysis, there were a total of 206 collisions resulting in 32 injuries, involving 186 counts of property damage, and 4 commercial vehicles.

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 will be required to provide Preliminary Roadway design and Environmental Services, including the preparation of engineering studies, identification of appropriate typical sections, identifying any utility impacts, performing drainage design, developing dependable cost estimates, conducting and preparing documents for public meetings, and traffic modeling.

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 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 – Boyle | 7-80000 | East Danville Connector](#)

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 will be provided by the Consultant. The anticipated environmental document will be a Categorical Exclusion Level 2. 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 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

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. Prequalification in the area of Traffic Engineering is **not** required to be identified in the Consultant's Response to Announcement.

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 & UST Services](#)

- UST & Hazmat Preliminary Site Assessment (Phase 1)
- *UST Site Investigation (Phase 2)*

- *Hazmat Site Investigation (Phase 2)*

Environmental Aquatic & Terrestrial Ecosystems Analysis

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

Environmental Archeology & Other Services

- Air Quality Analysis
- Prehistoric Archaeology
- Socio-Economic Analysis
- Highway Noise Analysis
- Historic Archaeology
- EIS Writing & Coordination
- Cultural-Historic Analysis
- Stream & Wetland Mitigation

Roadway Design

- Rural Roadway Design
- ~~Advanced Traffic Engineering Design & Modeling~~
- Surveying
- ~~Advanced Drainage Analysis & Design~~
- Urban Roadway Design

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**
- *Electrical Engineering Roadway Lighting*
- *Electrical Engineering Traffic Signals*

Transportation Planning (please see note below)*

- *Pedestrian & Bicycle Planning & Design*

* Note – *UST Site Investigation (Phase 2), Hazmat Site Investigation (Phase 2), Geotechnical Services, Structural Design, some Traffic Engineering, and Transportation Planning 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: February 9, 2021
- Response Date: March 3, 2021 by 4:30 PM ET (Frankfort Time)
- First Selection: March 8, 2021
- Final Selection: March 24, 2021
- Pre-Design Conference: March 31, 2021
- Consultant Fee Proposal: April 9, 2021
- Contract Negotiations: April 21, 2021
- Notice To Proceed: May 12, 2021

XVII. PROJECT SCHEDULE

- Preliminary Alignment Alternates Project Team Meeting – January 2022
- Public Meeting – March 2022
- PL&G Inspection – April 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. DBE Participation Plan. (4 Points)
6. Knowledge of the locality and familiarity of the general geographic area. (2 Points)

XIX. SELECTION COMMITTEE MEMBERS

1. Joshua Samples, P.E., User Division
2. Adam Ulrich, P.E., User Division
3. Larry Krueger, P.E., Secretary's Pool
4. Joseph Van Zee, P.E., Secretary's Pool
5. John Greenwell, P.E., Governor's Pool

XX. AREA MAP

