

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2022-04
Boone | 6-80101 | KY-18

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 - Boone
Route - KY-18
Item No. - 6-80101.00
Project Description - Convert KY-18 (Burlington Pike) to a super street

II. PROJECT INFORMATION

Project Manager - Mike Bezold, P.E.
User Division - Highway Design
Approximate Fee - \$500,000 Preliminary Engineering & Environmental Services (Lump Sum)
Project Funding - State Funds (SPP Funds)
Project Length - Approximately 3.6 miles

III. PURPOSE AND NEED

The traffic along KY-18, with emphasis on mile point 11 to 14.6, has grown tremendously over the years. As detailed in the CVG Circulation Study, exponential traffic growth will continue with major influence from the recent construction of the Amazon Hub off of Aero Parkway. Right of Way along this corridor is very expensive and the area is highly developed. The purpose of the project is to reduce traffic congestion while minimizing right of way impacts.

IV. DBE REQUIREMENT

None

V. SCOPE OF WORK

The selected Consultant will review and verify the results of the CVG Circulation study and develop a roadway concept that will reduce conflict points at the intersection through the implementation of J-turns and the elimination of direct left turns.

The selected Consultant will be required to provide engineering services to:

- Preliminary Line & Grade plans
- Survey will be required
- Conduct public involvement activities
- Traffic Analysis
- Development of Cost estimates associated with Phase I Design
- Identify Right of Way and Utility impacts
- NEPA documentation
- Development of the Design Executive Summary
- Prepare Drainage Folder/Advanced Situation Folder

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.

This project may be advanced to an Alternate Delivery method upon the completion of Preliminary Engineering with a Contract Modification. The selected Consultant will then be required to provide project management services as KYTC's GEC inclusive of preparing the RFQ and RFP, assisting with evaluation processes, Alternative Technical Concept Support, design assistance during construction, 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

[CVG Circulation Study - Boone | 6-80101 | KY-18](#)

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

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

The Department is expected to provide all Geotechnical Services but the selected Consultant may be asked to provide 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; 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 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 Department will be responsible for determining the existing locations of utilities to determine feasibility of redesign or utility relocation and cost estimates.

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.

The selected Consultant will provide SUE (Subsurface Utility Engineering) work as needed to field-locate utilities. Horizontal and vertical location of existing utilities shown in the roadway plans shall be adjusted by the Consultant as necessary to reflect actual SUE results.

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:

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

Structure Design

- Spans Under 500 Feet

Traffic Engineering

- Traffic Engineering
- *Electrical Engineering Roadway Lighting * (please see note below)*
- *Electrical Engineering Traffic Signals * (please see note below)*

Transportation Planning

- Traffic Forecasting
- Traffic Data Collection
- Pedestrian & Bicycle Planning & Design
- Travel Demand & Simulation Modeling
- ~~Read Centerline Data Collection~~

Utility Design

- Water & Sewer Level 1

Geotechnical Services* (please see note below)

- Geotechnical Engineering
- Geotechnical Drilling
- Geotechnical Laboratory Testing

* 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: November 9, 2021
- Response Date: December 1, 2021 by 4:30 PM ET (Frankfort Time)
- First Selection: December 6, 2021
- Final Selection: December 17, 2021
- Pre-Design Conference: January 5, 2022
- Consultant Fee Proposal: January 12, 2022
- Contract Negotiations: January 19, 2022
- Notice To Proceed: February 9, 2022

XVII. PROJECT SCHEDULE

- Preliminary Line and Grade September 1, 2022
- Environmental Clearance November 1, 2022
- Right of Way Plans December 1, 2022
- Joint Inspection March 1, 2023
- Final Construction Plans September 1, 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. (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. Mike Bezold, P.E., User Division
2. Amanda Desmond, P.E., User Division
3. Stephen De Witte, P.E., Secretary's Pool
4. Joseph Van Zee, P.E., Secretary's Pool
5. ~~TBD~~ **Cindy Evensen**, Governor's Pool

