

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2021-10
Marion | 4-80152 / 4-80153 | KY-2154

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 -	Marion
Route -	KY-2154 / US-68 / New Route
Item No. -	4-80152.00 / 4-80153.00
Project Description -	US 68 at KY 2154 intersection improvements, including US 68 from the intersection to the Marion County Area Technology Center, and including KY 2154 up to the Marion County Schools area. New Bypass east of Lebanon from KY 2154 at KY 208 south of Lebanon to KY 55 near KY 2154 north of Lebanon to provide better connectivity and accessibility.

II. PROJECT INFORMATION

Project Manager -	Kevin Blain, P.E. (Scoping Study); Chris Smith, P.E. (Design)
User Division -	Highway Design
Approximate Fee -	\$150,000 Scoping Study; \$500,000 Preliminary Design (Lump Sum)
Project Funding -	Federal Funds
Project Length -	Scoping Study – Approximately 7.3 miles; Design – Approximately 2.25 miles

III. PURPOSE AND NEED

The City of Lebanon has experienced growth in vehicular traffic and local truck traffic that affects safety and mobility within the community. To accommodate that growth new bypass routes were constructed in recent years. In 2008, the north-western portion of the Lebanon Bypass (KY-2154) was constructed connecting US-68 to KY-55. In 2010, the Lebanon Bypass (KY-2154) was extended to the east from US-68 to KY-208. There continues to be growth to the east as well. A significant number of businesses, factories, and residential developments are located along the eastern portion of Lebanon.

The purpose of this study is to evaluate the connectivity and accessibility of east Lebanon and determine potential needed improvements and priorities in the areas of system linkage, capacity, and safety. The determined alternative from KY-2154 at KY-208 to KY-49 will then be further developed in Preliminary Engineering. In conjunction with the new route, the intersection of US-

68 at KY-2154 will be evaluated for potential safety and mobility improvements.

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 5 points will be considered in the Evaluation Factors for the DBE Participation Plan.

V. SCOPE OF WORK

1st Phase: Scoping Study:

The purpose of this study is to evaluate (1) traffic patterns in and around Lebanon, and (2) accessibility and connectivity on the east side of Lebanon primarily between both ends of the existing Lebanon Bypass (KY-2154 at KY-208, and KY-2154 at KY-55).

The selected Consultant will provide engineering services for the completion of a scoping study to identify and evaluate improvements to the eastern side of Lebanon in Marion County. The consultant will consider more than one bypass alternate. Activities include, but may not be limited to, an inventory of existing conditions, establishing project purpose and goals, proposing and analyzing alternate improvement options, developing practical solutions and cost estimates, conducting public involvement activities throughout the study process, prioritizing improvements, and writing a technical report(s) to document the study process and results.

Pending the outcome of the scoping study, the Cabinet may choose to advance any element within the project limits to preliminary engineering, then to final design by contract modification.

2nd Phase: Preliminary Design:

Pending the outcome of the scoping study, the selected route from KY-2154 at KY-208 to KY-49 is anticipated to be advanced to include preliminary engineering, environmental services, and associated studies. Final design by contract modification may be added in the future.

Additional Work: Existing Intersection and Route Improvements (4-80152.00)

The scope of this segment will be to review the intersection of US-68 at KY-2154, including approximately 1200' of existing KY-2154 (Corporate Drive) north up to Knight Academy, and approximately 2800' of existing US-68 heading east up to the existing turn lanes for the Marion County Area Technology Center. This would include the development of appropriate alternatives to accommodate existing and future traffic conditions in consideration of the larger scoping study and proposed new route.

General Note: The selected Consultant may 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, Advanced Traffic Engineering Design & Modeling (intersection), preliminary drainage and preliminary structure design, cost estimates, and gathering any necessary survey for the project

area.

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

[Roadway Plans - 4-138.00 \(KY-2154 from US-68 to Metts Drive\)](#)

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 initial scoping study will include an Environmental Overview with a red flag summary. Future phases of the project may include the preparation of an Environmental Document. 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. The Consultant is responsible for obtaining aerials or equivalent for meeting exhibits.

XI. STRUCTURE DESIGN

The selected Consultant shall provide the necessary engineering services to determine needed improvements of the structures involved, if any. 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

It is anticipated that a Geotechnical Overview will be completed by the Department as part of the scoping study; however, the selected Consultant may be required to provide all Geotechnical Services required for the project. The Preliminary Engineering 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 is expected to provide all traffic projections and related information for the scoping study.

XIV. UTILITIES

The Consultant will be responsible for a planning-level estimate of utility costs that will be reviewed by the Department for accuracy. In this or future phases, the Department will send project location maps to all potential Marion County 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. The Consultant will then add the approximate location to manuscripts. Utility design services may be added by contract modification in the future, if the utility companies will allow. Prequalification in the areas of Utility Design services are not required to be identified in the Consultant's Response to Announcement.

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)

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

Geotechnical Services (please see note below)

- *Geotechnical Engineering**
- *Geotechnical Drilling**
- *Geotechnical Laboratory Testing**

Roadway Design

- Rural Roadway Design
- Surveying
- Urban Roadway Design
- *Advanced Traffic Engineering Design & Modeling**

Structure Design (please see note below)

- *Spans Under 500 Feet**

Traffic Engineering

- Traffic Engineering

Transportation Planning

- Advanced Transportation Planning Engineering
- Transportation Planning Engineering
- Conceptual Transportation Planning
- *Traffic Forecasting**
- *Traffic Data Collection**

Utility Design (please see note below)

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

** Note – These 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 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: April 13, 2021
- Response Date: May 5, 2021 by 4:30 PM ET (Frankfort Time)

- First Selection: May 10, 2021
- Final Selection: May 26, 2021
- Pre-Design Conference: June 2, 2021
- Consultant Fee Proposal: June 11, 2021
- Contract Negotiations: June 23, 2021
- Notice To Proceed: July 14, 2021

XVII. PROJECT SCHEDULE

- Final Scoping Report – April 2022
- Preliminary Line & Grade – December 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. (25 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. (5 Points)
5. DBE Participation Plan. (5 Points)
6. Knowledge of the locality and familiarity of the general geographic area. (5 Points)

XIX. SELECTION COMMITTEE MEMBERS

1. Chris Smith, P.E., User Division
2. Brad Bottoms, P.E., User Division
3. Joseph Van Zee, P.E., Secretary's Pool
4. Larry Krueger, P.E., Secretary's Pool
5. Cindy Evensen, Governor's Pool

XX. AREA MAP

