

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2023-07
Hickman | 1-80203 | US-51

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 - Hickman
Route - US-51
Item No. - 1-80203.00
Project Description - Correct geometric deficiencies and improve safety, access, and regional connectivity from Clayton Street to KY-703 in Clinton.

II. PROJECT INFORMATION

Project Manager - James Tilley, P.E.
User Division - Highway Design
Approximate Fee - \$400,000 Preliminary Engineering & Environmental Services (Lump Sum)
Project Funding - STP Funds (Federal Funds)
Project Length - Approximately 1.011 miles

III. PURPOSE AND NEED

Enhance the pavement condition to account for increased truck traffic. Increase safety, access and repair existing conditions for bicyclists/pedestrians. Increase safety of intersections.

This segment of US-51 serves as a direct link from Missouri to I-69. There is a papermill that has reopened about 16 miles north of the project. It serves as a direct route to I-69 and Missouri. I-69 connects Western Tennessee to Indiana through much of Western Kentucky. These factors have led to the increase in truck traffic and is expected to increase with the completion of I-69. The recently developed Rotary Park at the south end of the project will attract cars and pedestrians. There is a current lack of bike/ped facilities and accommodations leading to the park.

IV. DBE GOAL

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 should 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 (Section 7)

to exhibit this plan. A maximum of four (4) points will be considered in the Evaluation Factors for the DBE Participation Plan.

V. SCOPE OF WORK

Pavement design/rehab, culvert replacement, sidewalk rehab and possible extension, bicycle, curb, drainage, utility poles near the edge of the road should be evaluated, sight distance and alignments should all be evaluated from the park to KY 703.

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

[Bike/Ped Master Plan - Hickman | 1-80203 | US-51](#)

[DNA Study - Hickman | 1-80203 | US-51](#)

[Planning Study - Hickman | 1-182 | US-51](#)

***Link added 1/19/23**

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 Consultant will provide mapping and will furnish manuscripts in ORD format. Statewide

Elevation data and Aerial photography can be found at the following link [KyFromAbove - Kentucky's Aerial Photography & Elevation Data Program](#). The selected Consultant shall supplement this information with conventional surveying as determined during project scoping.

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 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 selected Consultant may be required to provide utility related services for this project, which may include construction inspection.

The selected Consultant will provide SUE (Subsurface Utility Engineering) work as defined in the scoping meeting 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 selected Consultant shall acquire adequate information regarding existing utility features to determine or assist the Cabinet in determining the extent to which potentially impacted utilities may impact the project budget or schedule. The selected Consultant should be aware of and bring attention to any potential utility impacts that may result in significant cost or time to relocate.

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 Closure Assessment
- Hazmat Corrective Action
- *UST Site Investigation (Phase 2)* (see note below)*
- *Hazmat Site Investigation (Phase 2)* (see note below)*
- *UST Corrective Action* (see note below)*

ENVIRONMENTAL ARCHEOLOGY & OTHER SERVICES

- Prehistoric Archaeology
- Historic Archaeology
- Environmental Document Writing & Coordination
- Cultural-Historic Analysis

ROADWAY DESIGN

- Surveying
- Advanced Drainage Analysis & Design
- Urban Roadway Design
- *Advanced Traffic Engineering Design & Modeling* (see note below)*

TRANSPORTATION PLANNING

- Traffic Forecasting
- Traffic Data Collection
- Pedestrian & Bicycle Planning & Design
- *Travel Demand & Simulation Modeling* (see note below)*

UTILITY DESIGN

- Utility Preconstruction Coordination
- *Electrical Level 1* (see note below)*
- *Utility Construction Inspection* (see note below)*
- *Gas Level 1* (see note below)*
- *Communication* (see note below)*
- *Water & Sewer Level 1* (see note below)*

Geotechnical Services* (see note below)

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

Right of Way* (see note below)

- *Relocation**
- *Acquisition**
- *Appraisal**
- *Appraisal Review**

Structure Design* (see note below)

- Spans Under 500 Feet*

Traffic Engineering* (see note below)

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

* 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: January 10, 2023
- Response Date: February 1, 2023 by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: February 6, 2023
- Final Selection: February 22, 2023
- Pre-Design Conference: March 1, 2023
- Consultant Fee Proposal: March 10, 2023
- Contract Negotiations: March 22, 2023
- Notice to Proceed: April 12, 2023

XVII. PROJECT SCHEDULE

- Preliminary Line and Grade Meeting November 2023
- Submit Design Executive Summary December 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. DBE Participation Plan. (4 Points)
6. Knowledge of the locality and familiarity of the general geographic area. (2 Points)

XIX. SELECTION COMMITTEE MEMBERS

1. James Tilley, P.E., User Division
2. Karl Sawyer, P.E., User Division
3. Charlie Dale, P.E., Secretary's Pool
4. Larry Krueger, P.E., Secretary's Pool
5. Bart Bryant, P.E., Governor's Pool

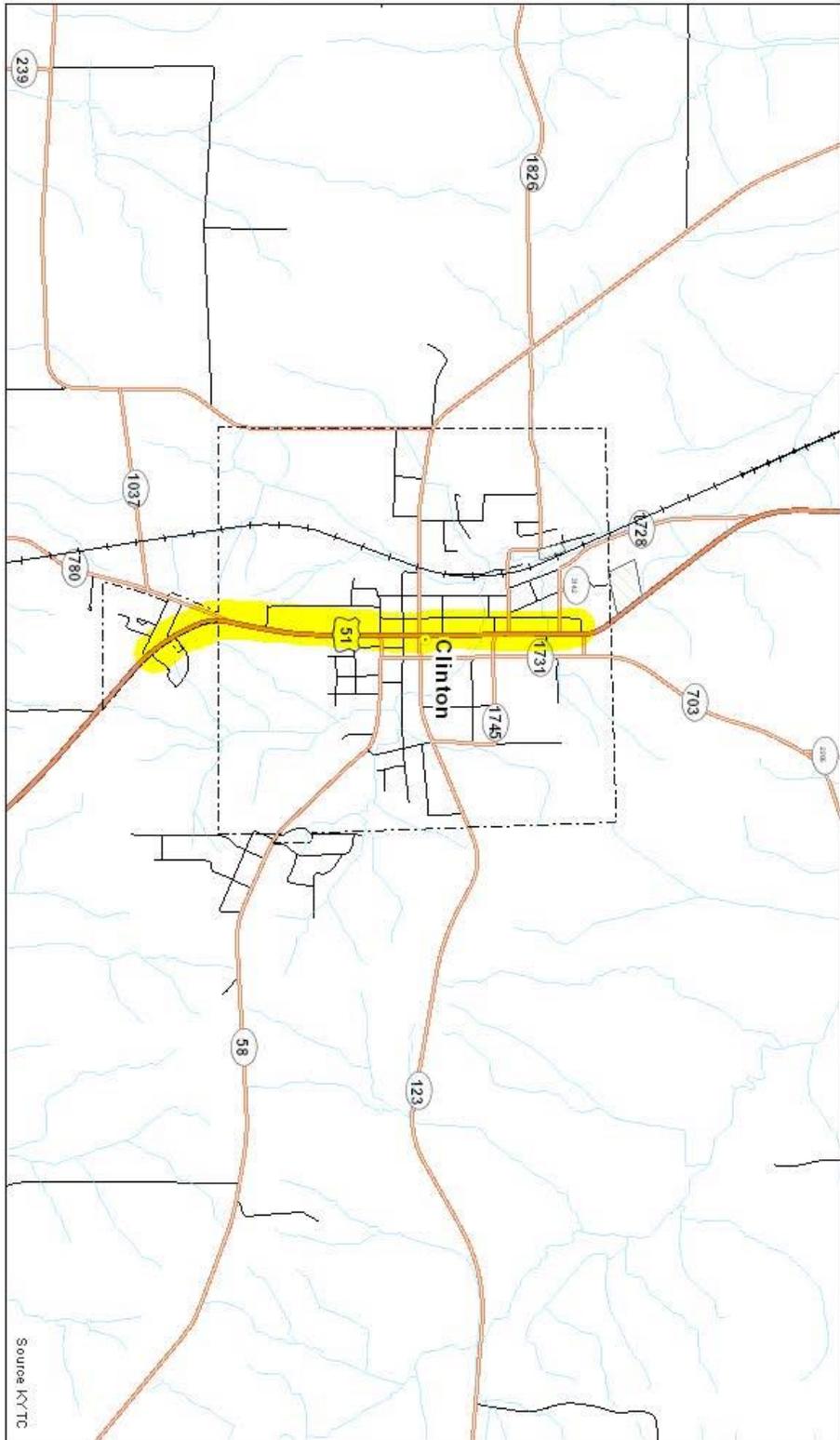
XX. AREA MAP



US 51
Hickman County
Item No. 1-80203.00
Clayton Street to KY 703



Author: Professional Services
Date: 1/3/2023



1-80203 Hickman County