

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2016-07
Hardin / KY 251 / 04-0153.01

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 – Hardin

Route – KY 251

Item No. 4-153.01

Project Description – Safety and spot improvements to KY 251 and KY 434 as recommended by the 2012 Planning Study.

II. PROJECT INFORMATION

Project Manager – Larry S. Krueger, P.E.

User Division – Highway Design

Approximate Fee – \$500,000 Final Design only (Lump Sum)

Project Funding – State Funded (BR2 funds)

Project Length – **Approximately 3.6 miles**

III. PURPOSE AND NEED

The purpose of this project is to provide a safer, more efficient corridor between Ring Road (KY 3005) and US 31W north of Veterans Way. This will provide a parallel route of US 31W to the east and connect Elizabethtown to Radcliff.

Numerous BRAC projects have been built over the past several years which have resulted in more traffic traveling north from Elizabethtown to Radcliff. Motorists on the east side of town generally travel this roadway to connect to KY 434 and US 31W in order to bypass the congested area near the Towne Mall, Walmart and numerous retail outlets and restaurants. With the number of cars expected to increase, KY 251 and KY 434 are not adequate to handle any increased volume of traffic. Lane widths are narrow with very little shoulder to recover if an automobile runs off the roadway. There are some intersections that need spot improvements including the Wooldridge Ferry intersection with KY 251 that has an acute angle creating line of sight issues. The KY 251 and KY 434 intersection has also experienced numerous crashes within the past 5 years. Several vertical curves throughout the corridor have insufficient sight distance as well. The Scoping Study recommended a minor widening typical of 2-11' lanes and a full graded shoulder with 4' paved. The study also recommends improving the Wooldridge Ferry Intersection and the KY 251/KY 434 intersection. Several spot improvements sections along the route were highlighted for improvement to the vertical curves. The study recommends all improvements to be made along the existing routes.

The study's final recommendation included improvements along KY 434 that terminated at a potential proposed connector road into the south side of Fort Knox. That connector road is no longer being proposed to be constructed.

A project was recently constructed to improve KY 251 south of Ring Road and these improvements extend north of Ring Road to just north of Bluegrass Road providing needed congestion relief at the Ring Road intersection by providing additional lanes and shoulder.

IV. DBE REQUIREMENT

None

V. SCOPE OF WORK

The selected consultant will be required to provide engineering and surveying services to perform Final Roadway Design for KY 251 only. Final Design shall include at a minimum; drainage design, right-of-way plans, construction plans, traffic management plan, and cost estimates.

District 4 may initiate a Contract Modification for KY 434 Final Design, Right of Way Services, Geotechnical Services, Structural Design, and Utility Design for this project.

VI. SPECIAL INSTRUCTIONS

The Department may retain any of the advertised services to be performed by in-house state forces.

The Department will allow the following modifications to the standard response format for response to this advertisement only:

Page 4 (A-E) Resumes, may be expanded, not to exceed 6 pages total (A-F).

Page 6 (A-E) Project Experience, may be expanded, not to exceed 6 pages total (A-F).

Page 7 (A-C) Project Approach, may be expanded, not to exceed 4 pages total (A-D).

Instructions for Response to Announcement can be found at: <http://transportation.ky.gov/Professional-Services/Pages/Respond-to-an-Announcement.aspx>

VII. AVAILABLE STUDIES

[KY 251 Scoping Study – Item No. 4-153](#)

[Traffic Forecast Report and Bike/Ped Recommendations – Item No. 4-153.01](#)

[Preliminary Design Information](#) (includes Preliminary Plans, Survey Data, Archived Plans, and Geotechnical Data)

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.

IX. ENVIRONMENTAL

Any necessary Environmental Services will be provided by the Department. It is anticipated that an Environmental Overview will be prepared and provided to the Consultant for consideration during evaluation of alternatives.

X. PHOTOGRAMMETRIC SERVICES

A topographical survey has been completed for the entire corridor (see link). The selected Consultant will be responsible for any additional ground survey required to complete final design. This may include, but is not limited to: topo work, control, monumenting, drainage pick-ups, drainage situations, pavement tie downs, property corners, utility locations.

Photogrammetry will be completed via separate letter agreement contract if deemed necessary. Prequalification for 'Photogrammetry and Related Services' is not required to respond.

XI. STRUCTURE DESIGN

The selected Consultant shall provide the necessary engineering service to submit an Advanced Situation Folder(s) to the KYTC for the appropriate applicable structure(s). The Structure Design will be performed by the selected Consultant. Prequalification in the area of structure design is 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. Geotechnical Services may be negotiated and included in the original contract agreement or 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.

XIII. TRAFFIC

The Traffic projections and related information will be provided by the Department.

XIV. UTILITIES

The selected Consultant will be responsible for determining the existing locations of utilities to determine feasibility of redesign or utility relocation and cost estimates. The selected Consultant may be required to provide utility related services for this project, ~~which may include construction inspection.~~ **including but not limited to utility coordination and design. All Utility services shall be provided as per the current KYTC Utilities and Rails Guidance Manual.**

XV. RIGHT OF WAY SERVICES

Right of Way services will not be part of the initial contract but may be added by contract modification as required. Prequalification in the area of Right of Way Acquisitions and Right of Way Relocations is required to be identified in the consultant's Response to Announcement. All Right of Way Services shall be provided as per the current KYTC Right of Way Guidance Manual.

XVI. PREQUALIFICATION REQUIREMENTS

To respond to this project the Consultant must be prequalified in the following areas by the response due date of this advertisement:

ROADWAY DESIGN

- Rural Roadway Design
- Urban Roadway Design
- Surveying

STRUCTURE DESIGN

- Spans under 500 feet

GEOTECHNICAL SERVICES

- Drilling Services
- Engineering Service
- Laboratory Testing Services

RIGHT OF WAY SERVICES

- Right of Way Acquisition
- Right of Way Relocation

XVII. PROCUREMENT SCHEDULE

- Bulletin Posted – January 12, 2016
- Response Date – February 3, 2016 by 4:30 PM ET (Frankfort Time)
- First Selection – February 8, 2016
- Final Selection – February 24, 2016
- Pre-Design Conference – March 2, 2016
- Fee Proposal – March 11, 2016
- Contract Negotiations – March 23, 2016
- Notice to Proceed – April 21, 2016

XVIII. PROJECT SCHEDULE

Right of Way Inspection – January 2017
Joint Inspection – July 2017

XIX. EVALUATION FACTORS

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

1. 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)
2. Capacity to comply with project schedule. (10 Points)

3. Past record of performance on projects similar in type and complexity. (15 Points)
4. Project approach and proposed procedures to accomplish the services for the project. (20 Points)
5. Consultant's offices where work is to be performed. (2 Points)

For state-funded projects, if a Selection Committee vote results in a tie between two (2) firms, one (1) of which will perform more of the work tasks in Kentucky than the other, then the former firm shall be ranked one (1) place ahead of the latter.

XX. SELECTION COMMITTEE MEMBERS

1. Larry S. Krueger, PE, User Division
2. David Martin, PE, User Division
3. Jill Asher, PE, Secretary's Pool
4. Kevin Rust, PE, Secretary's Pool
5. Cole Mitcham, Governor's Pool

XXI. AREA MAP

**PROJECT MAP
HARDIN COUNTY
ITEM NO. 4-153.01
KY 251 IMPROVEMENTS**

