

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways Professional Services Procurement Bulletin 2019-10 Jefferson | 5-559 | I-65 / I-264 Interchange

This document constitutes a Request for Proposals for 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 – Jefferson

Route – I-65/I-264

Item No – 05-0559.00

Project Description – Improve Safety and Reduce Congestion at the I-65/I-264 (Watterson Expressway) Interchange

II. PROJECT INFORMATION

Project Manager – Amanda Desmond, P.E.

User Division – Division of Highway Design

Approximate Fee – \$400,000 (Lump Sum) Planning Study

Project Funding – Federal Funds (NH)

Project Length – Approximately 4.7 miles mainline (14.7 miles including ramps)

III. PURPOSE AND NEED

The Purpose of the I-65/I-264 Interchange Planning Study is to identify short-term and long term improvements to the interchange system that could reduce congestion and improve safety. Peak hour traffic creates large queues that extend onto mainline I-65 and I-264 causing extreme speed differentials. The I-65/I-264 Interchange was ranked as the number one highest crash interchange in the KIPDA MPO region.

Project Goals are to increase safety for all users, manage and reduce roadway congestion where appropriate, ensure timely and efficient movement of freight within, departing, and entering the region, and reduce and/or mitigate negative environmental impacts, including climate change.

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 engineering services to:

- Draft purpose and need statement and identify project goals.
- Collect, summarize and verify existing data to create an inventory of roadway items and possible geometric constraints.
- Gather and analyze crash (HSM methodologies) and origin-destination data.
- Provide traffic for the existing, future no-build, and build scenarios.
- Conduct public involvement activities including stakeholder involvement and both virtual and in-person town hall meetings.
- Develop Public Meeting Notebook.
- Identify long- and short-term improvements to the interchange and prioritize improvements using Shift Methodology, including Benefit-Cost Analysis.
- Provide Planning-level cost estimates for all future phases. (D,R,U,C)
- Environmental and Geotechnical overviews.
- Submit a summary of findings in a Final Report.

This Project, or segment of the Project, may be advanced to Preliminary Engineering by Contract Modification. Preliminary Design of interchanges within the project limits may be advanced by Contract Modification. The Department reserves the right to advance the entire project to Preliminary Engineering or break it into sections for Preliminary Engineering. The Department also reserves the right to advertise the entire project or parts thereof for Preliminary Engineering. The possible development of an Interchange Modification Report will be handled in Preliminary Engineering.

The selected Consultant may also be required to provide Final Roadway Design, which may be added to the contract agreement by a contract modification when Preliminary Engineering and Environmental Analysis is complete. Final Roadway Design includes, at a minimum, preparation of joint inspection plans, drainage design, Preliminary, Advanced, and Final drainage folders, right-of-way plans, construction plans and post construction Best Management Practices (BMP), signing and pavement marking plans, traffic control plans, final cost estimates, and an anticipated construction schedule. Signal plans may also be required.

VI. SPECIAL INSTRUCTIONS

The Department may retain any of the services advertised here 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

[I-65 Ramp Modifications Scoping Study](#)

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. PHOTOGRAMMETRIC SERVICES

If photogrammetric information is not available for this project, the Department will provide LIDAR digital mapping.

X. ENVIRONMENTAL

Any necessary Environmental Overview Services will be provided by the Consultant. The overview will include: Terrestrial and Aquatic Assessment, Cultural Historic Literature Review and Reconnaissance, Underground Storage Tank (UST) & Hazardous Materials (HAZMat) Overview, Socioeconomic Study, Noise & Air – brief identification of status of air (i.e. in attainment, known issues/concerns) and surrounding land use/potential sensitive receptors.

XI. GEOTECHNICAL SERVICES

A Geotechnical Overview will be provided by the Consultant for the initial Planning Study. If the project advances to preliminary engineering, 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.

XII. RIGHT-OF-WAY

The Consultant will be responsible for developing project specific, planning level estimates of Right-of-Way costs that will be reviewed by the Department for accuracy. The selected Consultant shall work with major stakeholders such as, but not limited to, major utilities owners, the Louisville International Airport, Kentucky Fair & Exposition Center and Kentucky Air National Guard to confirm and document accurate roadway right of way lines and also inventory extraordinary limitations that may affect future highway construction such as FAA air space requirements, significant easements or deed restrictions, Department of Defense limitations, etc. of those properties abutting the state highway and interstate highway roadway systems within the project area. The selected Consultant shall not use LOJIC data to identify property owners as that resource is not accurate within the project limits.

XIII. STRUCTURE DESIGN

Structure Design is not anticipated for the Planning Study. 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.

XIV. TRAFFIC

The Consultant is to gather existing 24 hour traffic counts with a minimum of 15 minute bins, to supplement the Department's available counts. The Consultant will provide the analysis of

the existing and proposed operations. A 3-hour peak period is anticipated.

XV. UTILITY DESIGN

The Consultant will be responsible for a planning level estimate of utility costs that will be reviewed by the Department for accuracy. The Department will send project location maps to all potential Jefferson 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 locations to the manuscripts.

XVI. PREQUALIFICATION REQUIREMENTS

To respond to this project, the consultant project team must be prequalified in the following areas by the response due date of this advertisement.

TRANSPORTATION PLANNING

- Highway Planning Services
- Transportation Corridor & Systems Planning
- Traffic Data Collection
- Traffic Forecast
- Travel Demand & Simulation Modeling

ROADWAY DESIGN

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

TRAFFIC OPERATIONS

- Traffic Engineering Services
- Electrical Engineering Roadway Lighting Services

ENVIRONMENTAL AND UST SERVICES *(please see note below)*

- *UST & Hazmat Preliminary Site Assessment (Phase 1) **or***
 - *Hazmat Preliminary Site Assessment (Phase 1) **and***
 - *UST Preliminary Site Assessment*

ENVIRONMENTAL AQUATIC AND TERRESTRIAL ECOSYSTEM ANALYSIS *(please see note below)*

- *Fisheries*
- *Macroinvertebrates*
- *Water Quality*
- *Botany*
- *Zoology*
- *Wetlands*

ENVIRONMENTAL ARCHAEOLOGY AND OTHER SERVICES *(please see note below)*

- *Prehistoric Archaeology*

- *Historic Archaeology*
- *Highway Noise Analysis*
- *Air Quality Analysis*
- *Socioeconomic Analysis*
- *Cultural-Historic Analysis*
- *EIS Writing and Coordination*

[INTELLIGENT TRANSPORTATION SYSTEMS](#) (please see note below)

- *ITS: System Design, Deployment & Integration*

[STRUCTURE DESIGN](#) (please see note below)

- *Spans under 500 feet*

[GEOTECHNICAL SERVICES](#) (please see note below)

- *Drilling Services*
- *Engineering Services*
- *Laboratory Testing Services*

Note – Environmental, ITS, structure design, and geotechnical 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, the selected Consultant team must obtain the required qualifications before providing those services.

XVII. PROCUREMENT SCHEDULE

Dates other than Response Date are tentative and provided for information only.

- Bulletin Posted – April 9, 2019
- Response Date – May 1, 2019 by 4:30 PM ET (Frankfort Time)
- First Selection – May 6, 2019
- Final Selection – May 22, 2019
- Pre-Design Conference – May 29, 2019
- Fee Proposal – June 7, 2019
- Contract Negotiations – June 19, 2019
- Notice to Proceed – July 18, 2019

XVIII. PROJECT SCHEDULE

- Existing Conditions Meeting – January 2020
- 1st Local Elected Officials/Stakeholders/Public Meeting – February 2020
- Alternatives Meeting – May 2020
- 2nd Local Elected Officials/Stakeholders/Public Meeting – June 2020
- Alternatives Selection Meeting – August 2020
- Submit Final Report – November 2020

XIX. 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 of a similar nature 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. Consultants innovative approach to Public Involvement activities (4 Points)
6. DBE Participation Plan. (4 Points)
7. Knowledge of the locality and familiarity of the general geographic area. (2 Points)

XX. SELECTION COMMITTEE MEMBERS

1. Amanda Desmond, P.E., User Division
2. Beth Niemann, P.E., User Division
3. Dane Blackburn, P.E., Secretary's Pool
4. Tom Hall, P.E., Secretary's Pool
5. Brad Rister, P.E., Governor's Pool

XXI. PROJECT MAP

