

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2019-01
Boone & Kenton | 6-79 | I-75 & I-275

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 & Kenton
Route - I-75 / I-275
Item No. - 06-0079.00
Project Description - Improve safety, mobility, operations, and geometrics at the junction of I-75 and I-275 and the system-to-system ramps.

II. PROJECT INFORMATION

Project Manager - Mike Bezold, P.E.
User Division - Highway Design
Approximate Fee - \$1,500,000 Scoping Study (Lump Sum)
Project Funding - NH funds
Project Length - Approximately 12 miles

III. PURPOSE AND NEED

The Brent Spence Strategic Corridor Study (KYTC Item 6-431) concluded that I-275/I-75 was over capacity and experienced safety issues. This planning study will evaluate potential reconstruction of this interchange.

IV. CONFLICT OF INTEREST

Award of this contract will not prohibit any team members, including all affiliated and subsidiary firms, from providing any future Professional Service or Personal Service contracts, directly or indirectly for KYTC, associated with the Brent Spence Bridge project. Furthermore, any consultant under contract for any part of the Bridge Spence Bridge project has also been determined to not have a conflict of interest, and is therefore eligible to respond to this announcement.

V. DBE REQUIREMENT

The Consultant team shall include a DBE Participation Plan with their Response to

Announcement to help the Department meet FHWA's 11.95% DBE goal. 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.

VI. SCOPE OF WORK

Complete all investigations and documents, including environmental analysis, traffic simulation, and safety review, required to receive FHWA approval of an IJS for this interchange. Traffic Simulation will include the interchanges on I-275 of Turkeyfoot Road, Dixie Highway, I-75, and Mineola Pike, and the interchanges on I-75 of Turfway Road, Donaldson Road, I-275, and Buttermilk Pike. The Consultant Team will be expected to prepare for and lead all project team, stakeholder, local official, and public meetings.

The Consultant may be asked to perform Preliminary Engineering services for Contract Modification upon the completion of the initial planning study. Preliminary Engineering includes line and grade plans, traffic engineering analysis as per Design Memo 03-11, preliminary drainage, and cost estimates, the Consultant may also be asked to perform Final Design services by Contract Modification upon the completion of Preliminary Engineering.

VII. 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>

VIII. AVAILABLE STUDIES

<http://transportation.ky.gov/Planning/Pages/Brent-Spence-Bridge-Strategic-Corridor-Study.aspx>

IX. METHOD OF DESIGN

The selected Consultant shall utilize the most recent CADD Standards for Highway Plans Policy in the development of the highway plans.

X. ENVIRONMENTAL SERVICES

Any necessary Environmental Services will be provided by the Consultant. The anticipated environmental document will be a Categorical Exclusion Level 3. Prequalification of various Environmental Services are required to be identified in the Consultant's Response to Announcement.

XI. 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.

XII. 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.

XIII. 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 required to be identified in the Consultant's Response to Announcement.

XIV. TRAFFIC

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.

XV. 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.

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 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.

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:

Transportation Planning

- Planning Services
- Transportation Corridor & Systems Planning
- Traffic Data Collection
- Traffic Demand and Simulation Modeling
- Traffic Forecasting

Roadway Design

- Rural Roadway Design
- Urban Roadway Design
- Surveying

Traffic Engineering

- Traffic Engineering Services
- Electrical Engineering Services for Traffic Signals
- Electrical Engineering Services for Roadway Lighting

Structure Design

- Spans under 500 feet
- Spans over 500 feet

Environmental and UST Services

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

Environmental Aquatic Terrestrial Ecosystem Analysis

- Fisheries
- Macro Invertebrates
- Water Quality
- Botany
- Zoology
- Wetlands

Environmental Archaeology and Other Services

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

Geotechnical Services

- Drilling Services
- Engineering Service
- Laboratory Testing Services

XVII. PROCUREMENT SCHEDULE

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

- Bulletin Posted – July 10, 2018
- Response Date – August 1, 2018 by 4:30 PM ET (Frankfort Time)
- First Selection – August 7, 2018
- Final Selection – August 22, 2018
- Pre-Design Conference – August 29, 2018
- Fee Proposal – September 7, 2018
- Contract Negotiations – September 19, 2018
- Notice to Proceed – October 18, 2018

XVIII. PROJECT SCHEDULE

- Traffic Review Meeting – March 1, 2019
- Alternates Review Meeting – June 1, 2019
- Draft IMR – October 1, 2019
- Final IMR – February 1, 2020
- Environmental Document – February 1, 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. (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. (20 Points)
3. Past record of performance on projects similar in type and complexity. (20 Points)
4. Capacity to comply with project schedule. (15 Points)
5. Organizational structure of team and approach of team to manage the development of the project (15 points)
6. Knowledge of the locality and familiarity of the general geographic area. (5 Points)
7. DBE Participation Plan (4 Points)

XX. SELECTION COMMITTEE MEMBERS

1. Mike Bezold, P.E., User Division
2. Randy Turner, P.E., User Division
3. Wendy Southworth, P.E., Secretary's Pool
4. Mikael Pelfrey, P.E., Secretary's Pool
5. Wesley Sydnor, P.E., Governor's Pool

