

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2022-03
Jefferson | 5-20061 | I-65

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 - Jefferson
Route - I-65
Item No. - 5-20061.00
Project Description - Replace/rehab three bridges, expand the intelligent transportation systems (ITS) and address pavement issues on I-65 in downtown Louisville between I-264 (MP 131.2) and Muhammad Ali Blvd (MP 135.6). The bridges are I-65 over Hill St/CSX RR/Burnett Avenue, I-65 over Kentucky & Brook Streets, and I-65 over Broadway/Jacob Street/Gray Street.

II. PROJECT INFORMATION

Project Manager - Royce Meredith, P.E.
User Division - State Highway Engineers Office
Approximate Fee - \$1,500,000 Preliminary Engineering & Environmental Services (Lump Sum)
Project Funding - Federal with State Match
Project Length - Approximately 4.432 miles

III. PURPOSE AND NEED

The project purpose is to facilitate a dependable free flow of traffic on the I-65 corridor in Downtown Louisville between I-264 and I-64. Currently there are three bridges in the corridor that have reached the end of their useful life and have become chronic maintenance issues. Past bridge repairs to keep these structures in service have required lengthy lane closures and ultimately upset the flow of traffic in and out of the downtown area. Addressing these structures will ensure a reliable level of service through the corridor.

IV. DBE REQUIREMENT

The Consultant team shall include a DBE Participation Plan with their Response to Announcement. 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 (Section 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 Preliminary Engineering and Environmental Services. Preliminary Engineering includes data collection, surveying, geotechnical engineering, structural analysis, 30% plan development, cost estimating, utility coordination, railroad coordination, conceptual maintenance of traffic (MOT) development and traffic analysis associated with the conceptual MOT phases. Environmental services include those services necessary to update the existing Categorical Exclusion on the project.

This project may be advanced to Final Engineering and assistance with obtaining permits, upon the completion of Preliminary Engineering through a Contract Modification. The selected Consultant will then be required to continue utility and railroad coordination and provide engineering services including but not limited to the preparation of any design studies, drainage design, traffic analyses, right-of-way plans, and a Plans, Specifications and Estimate package for FHWA approval and Contractor pricing.

VI. SPECIAL INSTRUCTIONS

Instructions for Response to Announcement can be found at:

<https://transportation.ky.gov/ProfessionalServices/Pages/Respond-to-an-Announcement.aspx>

KYTC will allow the following modifications to the standard response format for response to this project advertisement only.

- Page 3: Project Team Organizational Chart, KYTC will allow for an 11" x 17" page to be used and to count as two pages
- Page 4 (A-E): Resumes, may be expanded not to exceed 8 pages total (A-H)
- Page 5 (A-B): Workload / commitments, may be expanded not to exceed 4 pages total (A-D); again 11" x 17" pages will count as 2 pages
- Page 6 (A-E): Project Experience, may be expanded not to exceed 8 pages total (A-H)
- Page 7 (A-C): Project Approach, may be expanded not to exceed 8 pages total (A-H). As standard procedure, the DBE Participation Plan should also be included in this portion of the response

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

VII. AVAILABLE STUDIES

[I-65 Bridges Planning Study – Jefferson | 5-20061 | I-65](#)

[Environmental CE – Jefferson | 5-20061 | I-65](#)

[Corridor Study Presentation – Jefferson | 5-569 | I-65](#)

VIII. METHOD OF DESIGN

Interested Consultants should demonstrate their experience in utilizing the latest Bentley 3D modeling and design software to produce conceptual designs and visualizations. Consultants should also include their level of experience on delivering digital projects. It is the intent of KYTC to use this project in the Digital Project Delivery pilot program, leveraging digital data throughout the Design and Construction phases. KYTC recommends that the selected consultant use the most current available version of Bentley software, as outlined on the CAD Standards website.

IX. ENVIRONMENTAL SERVICES

The Department has obtained a Categorical Exclusion for this project. The Consultant will be responsible for providing environmental services necessary to update the Categorical Exclusion, as needed, and for any subsequent permitting. Prequalification of various Environmental Services are required to be identified in the Consultant's Response to Announcement.

X. PHOTOGRAMMETRIC SERVICES

The selected Consultant shall use the most current Louisville/Jefferson County Information Consortium (LOJIC) LiDAR and aerial photo data set. The selected Consultant shall supplement this information with conventional surveying as needed.

XI. STRUCTURE DESIGN

The selected Consultant shall be responsible for any necessary Structure Design services. Prequalification of Structure Design Services are required to be identified in the Consultant's Response to Announcement.

XII. GEOTECHNICAL SERVICES

The selected Consultant shall provide all Geotechnical Services required for the project. Prequalification of Geotechnical Services are required to be identified in the Consultant's Response to Announcement.

XIII. TRAFFIC ENGINEERING

The selected Consultant will provide the analysis for Maintenance of Traffic Operations. The Consultant will also be required to provide Traffic Signal Design, Signing Design and Lighting Design services. Prequalification of Traffic Engineering Services are required to be identified in the Consultant's Response to Announcement. Prequalification in the areas of Electrical Engineering Roadway Lighting and Electrical Engineering Traffic Signals are not required to be identified in the Consultant's Response to Announcement; however, the selected Consultant must obtain the required qualifications before providing these services, or bring a prequalified subconsultant at that time.

XIV. INTELLIGENT TRAFFIC SYSTEMS

The selected consultant shall provide all Intelligent Traffic Systems services required for this project.

XV. RIGHT OF WAY

The Department will be responsible for Right of Way services required for the project.

XVI. UTILITIES

The selected Consultant shall locate all existing utilities and locate them on the plans provided to the Department. 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.

The selected Consultant shall provide coordination and execution of agreements on behalf of the Department with utility owners and CSX Railroad. Prequalification in the area of Utility Preconstruction Coordination Services is required to be identified in the Consultant's Response to Announcement.

XVII. 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 Archeology & Other Services

- Prehistoric Archaeology
- Historic Archaeology
- EIS Writing & Coordination
- Cultural-Historic Analysis

Geotechnical Services

- Geotechnical Engineering
- Geotechnical Drilling
- Geotechnical Laboratory Testing

Intelligent Transportation Systems

- System Design, Deployment & Integration

Roadway Design

- Surveying
- Urban Roadway Design

Structure Design

- Spans Under 500 Feet

Traffic Engineering

- Traffic Engineering

- *Electrical Engineering Roadway Lighting** (please see note below)
- *Electrical Engineering Traffic Signals** (please see note below)

Utility Design

- Utility Preconstruction Coordination

**Note – Electrical Engineering Roadway Lighting and Electrical Engineering Traffic Signals 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.*

XVIII. PROCUREMENT SCHEDULE

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

- Advertisement Date: September 14, 2021
- Response Date: October 6, 2021 by 4:30 PM ET (Frankfort Time)
- First Selection: October 11, 2021
- Final Selection: October 27, 2021
- Pre-Design Conference: November 3, 2021
- Consultant Fee Proposal: November 12, 2021
- Contract Negotiations: November 24, 2021
- Notice To Proceed: December 15, 2021

XIX. PROJECT SCHEDULE

- Data Collection and Surveying – March 1, 2022
- Structural Analysis/Scoping/MOT Concept/Cost Estimate – April 15, 2022
- 30% Plan Development – June 1, 2022

XX. EVALUATION FACTORS

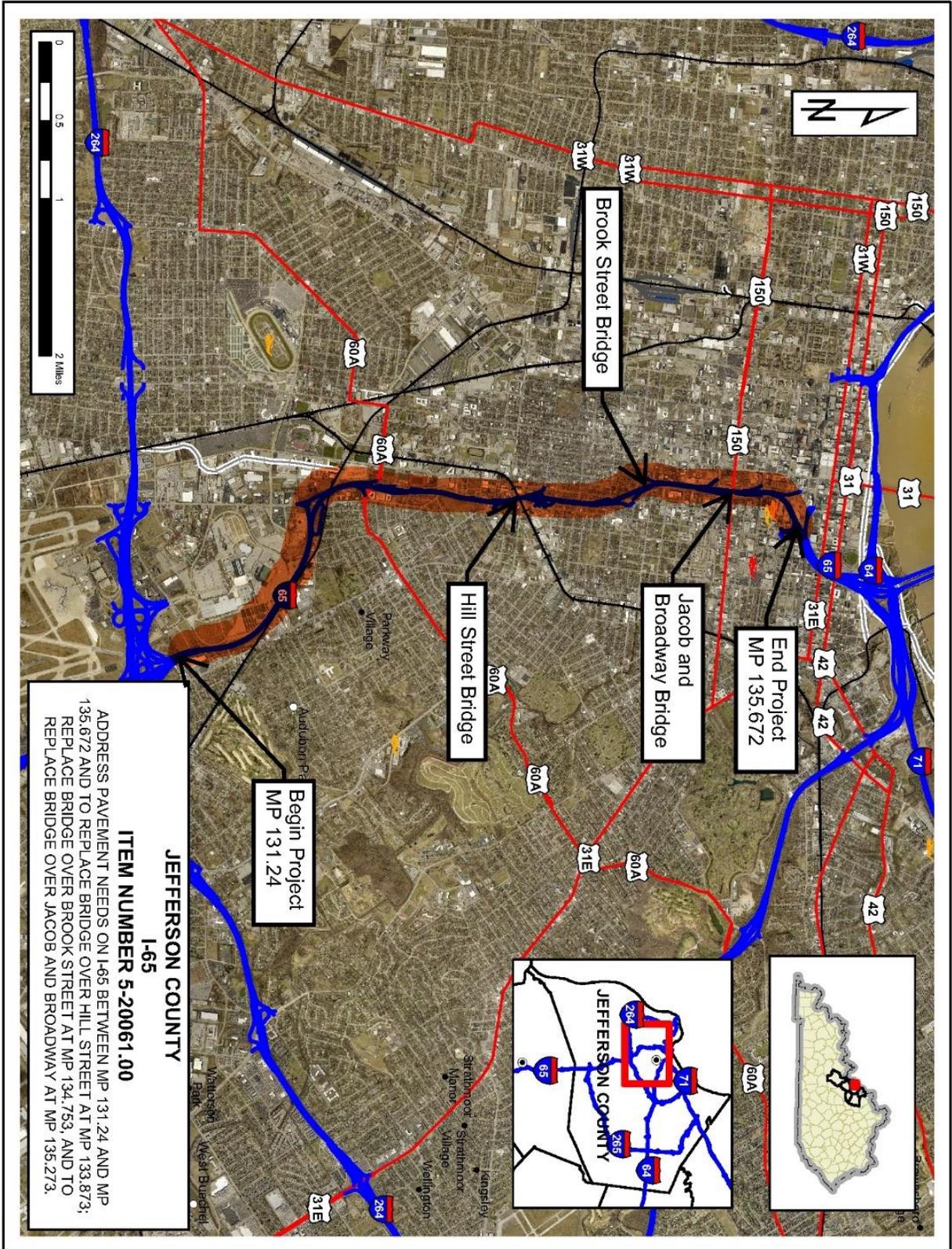
Consultants will be evaluated by the selection committee based on the following, weighted factors:

1. Relative experience of consultant personnel assigned to project team with Accelerated Bridge Construction (ABC) techniques, post-tensioned bents or fracture critical steel bents, and highway projects in an urbanized, highly traveled corridor. (20 points)
2. Project approach and proposed procedures to accomplish the services for the project. (20 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. (4 points)
6. Knowledge of the locality and familiarity of the general geographic area. (2 Points)

XXI. SELECTION COMMITTEE MEMBERS

1. Royce Meredith, P.E., User Division
2. Josh Rogers, P.E., User Division
3. Stephen De Witte, P.E., Secretary's Pool
4. Joseph Van Zee, P.E., Secretary's Pool
5. Bart Bryant, P.E., Governor's Pool

XXII. AREA MAP



Disclaimer: KYTC provides this map as a reference only. Users are to validate information independently.
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Date: 9/9/2021