

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2019-02
Ballard | 1-1140 | 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 - Ballard
Route - US-51 / US-60 / US-62
Item No. - 01-1140.00
Project Description - Replace US-51 Ohio River Bridge from Cairo, Illinois to Wickliffe, KY.

II. PROJECT INFORMATION

Project Manager - E. Chris Kuntz, P.E.
User Division - Highway Design
Approximate Fee - \$2,500,000 Preliminary Engineering and Bridge Type Selection (Lump Sum)
Project Funding - Federal BR funds
Project Length - Approximately 2.0 miles

III. PURPOSE AND NEED

The purpose of this project is to replace the existing 82-year-old functionally obsolete/structurally deficient truss bridge (004B00021N) while providing a safe, reliable roadway to maintain cross-river connectivity between Cairo, Il and Wickliffe, Ky. The existing bridge on US-51/US-60/US-62, over the Ohio River has a sufficiency rating of 39.8. The structure width is 20.0 feet curb to curb with an approaching roadway width of 22 feet including shoulders. The goal of the project is to provide a constructible and affordable structure that will improve safety and the substandard load capacity of the functionally obsolete bridge.

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 conduct preliminary engineering studies that result in refined alternates, grade, and roadway geometrics, including a conceptual bridge type selection and bridge span arrangement. The initial contract agreement will be for Preliminary Engineering and Environmental Analysis. Final Roadway Design and Structure Design may be added by contract modification.

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>

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

- KYTC will allow for font smaller than 10 point throughout but all text must remain legible
- Page 3: Project Team Organizational Chart, may be expanded not to exceed two 8.5" x 11" pages (A-B) or one 11" x 17" page
- Page 4 (A-E): Relative Experience of Key Project Team Members, may be expanded not to exceed 10 pages total (A-J)
- Page 5 (A-B): Available Team Workload Capacity, may be expanded not to exceed 4 pages (A-D)
- Page 6 (A-E): Relative Experience of Proposed Team, may be expanded not to exceed 10 pages total (A-J)
- Page 7 (A-C): Project Approach, may be expanded not to exceed 8 pages total (A-G H). As standard procedure, the DBE Participation Plan should also be included in this portion of the response.

VII. AVAILABLE STUDIES

[Ohio River Bridge Alternatives Study - Ballard | 1-1140 | US-51](#)

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 SERVICES

The selected Consultant shall prepare the appropriate NEPA Environmental Document for review and approval by KYTC and FHWA.

X. 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.

XI. STRUCTURE DESIGN

The selected Consultant shall do the necessary engineering to submit to the KYTC an Advanced Situation Folder for the appropriate applicable structures. Prequalification in structure design is required for responding to this advertisement. The selected consultant's contract may be modified to include final structure design services.

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

XIII. 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.

XIV. UTILITIES

The Department will be responsible for determining the existing locations of utilities to determine feasibility of redesign or utility relocation and cost estimates.

XV. INTERVIEW

The selection committee will shortlist three (3) proposers who submit a responsive proposal to participate in an oral interview. All responding firms should be prepared to present a short presentation and respond to questions. The oral interview will last no more than 60 minutes. Each Proposer will be limited to a 30 minute presentation followed by question and answer session which should last no more than 30 minutes. The presentation shall not be used to fill in missing or incomplete information in the written proposal. KYTC will ask the Proposers specific questions relative to their proposal as well as follow-up questions. The oral interview will not be scored separately but rather is intended solely for KYTC to seek clarification of the Proposer's proposal. Proposers will not be permitted to ask questions of KYTC.

Persons with a disability may request a reasonable accommodation such as a sign language interpreter. Request for accommodations must be made one week in advance of the meeting, to allow time to arrange the accommodation.

Each firm shall be required to bring the Consultant's Project Manager and up to four other individuals to the interview.

Members of the KYTC's Selection Committee will attend each oral interview. Additional subject matter experts, FHWA staff and District and Planning Liaisons may also attend the interviews. Elected officials will not be permitted to attend. KYTC will terminate the interview promptly at the end of the allocated time.

KYTC may audio tape, videotape and/or use a court reporter to document the oral interviews. All interviews will be held at the Kentucky Transportation Building at 200 Mero Street, Frankfort, Kentucky.

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
- Surveying

STRUCTURE DESIGN

- Spans under 500 feet
- **Spans greater than 500 feet**

ENVIRONMENTAL AQUATIC AND TERRESTRIAL ECOSYSTEMS

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

ENVIRONMENTAL ARCHAEOLOGY AND OTHER SERVICES

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

ENVIRONMENTAL AND UST SERVICES

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

GEOTECHNICAL SERVICES

- Drilling Services
- Engineering Services
- Laboratory Testing Services

TRAFFIC ENGINEERING

- Traffic Engineering Services

CONSTRUCTION ENGINEERING SERVICES

- Construction Project Supervision

RIGHT OF WAY SERVICES (please see note below)

- Acquisition Services
- Relocation Services

UTILITY DESIGN SERVICES (please see note below)

- Communication
- Electrical Level 1
- Electrical Level 2
- Gas Level 1
- Gas Level 2
- Water & Sewer Level 1
- Water & Sewer Level 2
- Utility Preconstruction Coordination
- Utility Construction Inspection

Note – Right of way and/or utility design 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.

- Advertisement Date – August 14, 2018
- Response Date – September 12, 2018 by 4:30 PM ET (Frankfort Time)
- First Selection – September 17, 2018
- Short List to 3 firms – October 4, 2018
- Consultant Interviews – Morning of October 16, 2018
- Final Selection – Afternoon of October 16, 2018
- Pre-Design Conference – October 22, 2018
- Fee Proposal – November 2, 2018
- Contract Negotiations – November 16, 2018
- Notice to Proceed – December 14, 2018

XVIII. PROJECT SCHEDULE

- Preliminary Line & Grade – December 1, 2019
- Final Joint Inspection – April 1, 2020
- Advanced Situation Folder Submitted – June 1, 2020
- Preliminary Right-of-Way & Utility Plans – June 1, 2020
- Final Roadway Plans – June 1, 2021
- Final Structure Plans – June 1, 2021

XIX. EVALUATION FACTORS

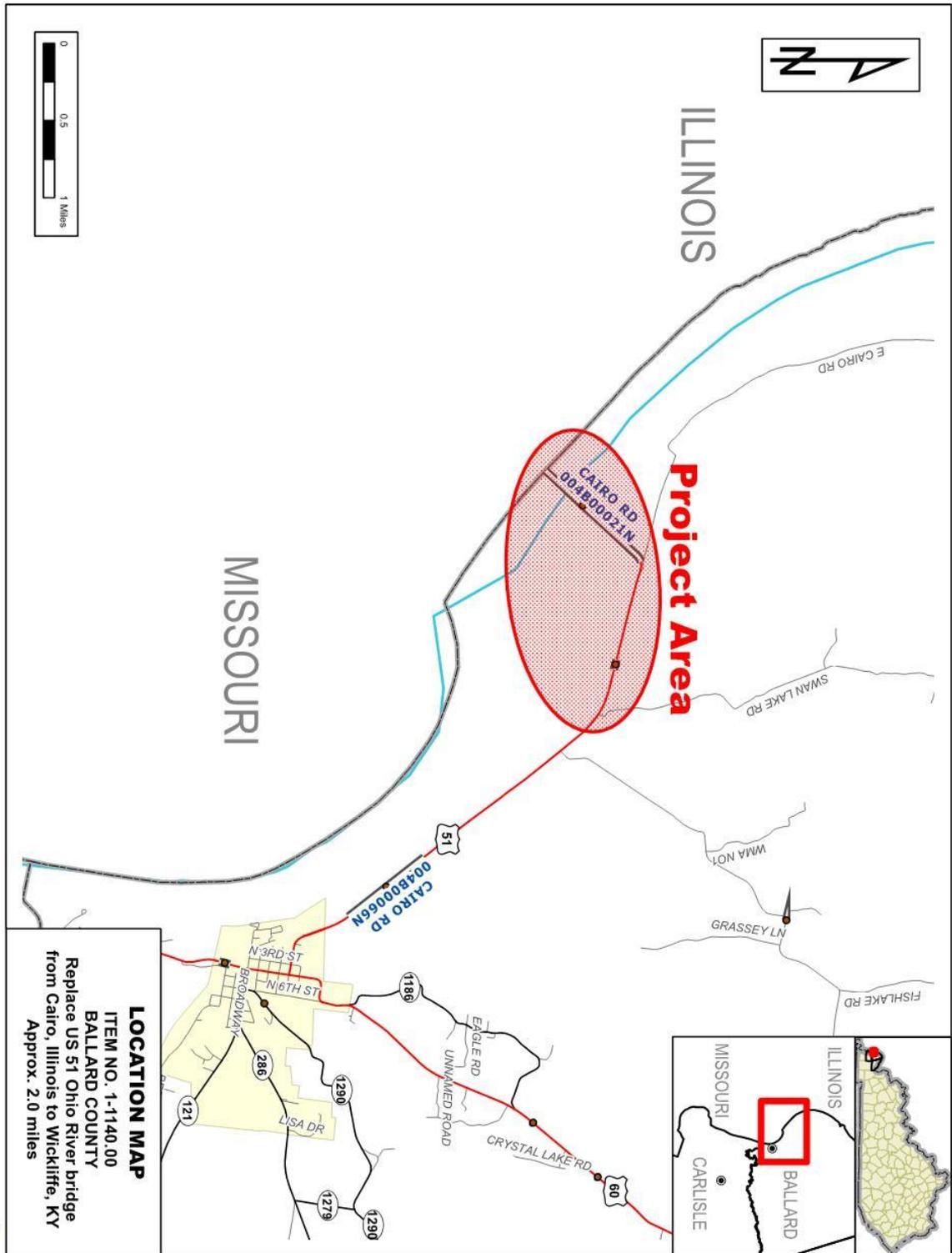
Consultants will be evaluated by the selection committee based on the following, weighted factors:

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 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)

XX. SELECTION COMMITTEE MEMBERS

1. E. Chris Kuntz, P.E., User Division
2. Carl Van Zee, P.E., User Division
3. Darren Back, P.E., Secretary's Pool
4. Andrew Stewart, P.E., Secretary's Pool
5. Wesley Sydnor, P.E., Governor's Pool

XXI. AREA MAP



Disclaimer: KYTC provides this map as a reference only. Users are to validate information independently.
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Date: 7/25/2018



LOCATION MAP
 ITEM NO. 1-1140.00
 BALLARD COUNTY
 Replace US 51 Ohio River bridge
 from Cairo, Illinois to Wickliffe, KY
 Approx. 2.0 miles