

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways Professional Services Procurement Bulletin 2023-04 Statewide Bridge Inspection Services

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

This statewide contract is to provide NBI/Nonredundant Steel Tension Member (NSTM) Inspections and or In-Depth Inspections of thirty-seven (37) In-State Bridges on a statewide basis during the 2023 and 2024 calendar years.

Contract Package No. 1	Route	Crossing	Bridge No.	Mth/Yr
Marshall County	I-24	Tennessee River	079B00118L	7/2023
Marshall County	I-24	Tennessee River	079B00118R	7/2023
Hardin County	I-65	Rolling Fork River	047B00133L	3/2023
Hardin County	I-65	Rolling Fork River	047B00133R	3/2023
Hart County	US 31	Green River	050B00004N	8/2023
Carroll County	US 42	Kentucky River	021B00043N	6/2023
Anderson County	BG Parkway	Kentucky River	003B00007L	8/2023
Anderson County	BG Parkway	Kentucky River	003B00007R	8/2023
Garrard County	US 27	Kentucky River	040B00028L	7/2024
Garrard County	US 27	Kentucky River	040B00028R	7/2024
Carter County	I-64	Little Sandy River	022B00083L	4/2023
Carter County	I-64	Little Sandy River	022B00083R	4/2023

Contract Package No. 2	Route	Crossing	Bridge No.	Yr.
Jefferson County	I-64	Riverside Expressway	056B00298N	6/2023
Jefferson County	I-64	Riverside Expressway	056B00299N	6/2023
Jefferson County	I-64	Riverside Expressway	056B00300N	6/2023
Jefferson County	I-64	Riverside Expressway	056B00301N	6/2023
Jefferson County	I-64	Riverside Expressway	056B00302N	6/2023
Jefferson County	I-64	Riverside Expressway	056B00285N	7/2023
Jefferson County	I-64	Riverside Expressway	056B00292N	7/2023
Jefferson County	I-64	Riverside Expressway	056B00293N	7/2023
Jefferson County	I-64	Riverside Expressway	056B00142N	8/2023
Jefferson County	I-64	S Minton – KY Apr	056B00161N	9/2023

Cumberland County	KY 90	Cumberland River	029B00027N	4/2024
Livingston County	I-24	Cumberland River	070B00063L	3/2023
Livingston County	I-24	Cumberland River	070B00063R	3/2023

Contract Package No.3	Route	Crossing	Bridge No.	Yr.
Muhlenberg County	WK Parkway	Green River	089B00093L	3/2024
Muhlenberg County	WK Parkway	Green River	089B00093R	3/2024
Cumberland County	KY 61	Cumberland River	029B00012N	4/2023
Kenton County	KY 8	Licking River	059B00037N	4/2024
Kenton County	I-75	over I-275	059B00053L	9/2023
Kenton County	I-75	over I-275	059B00053R	9/2023
Kenton County	I-275	over I-75	059B00054L	9/2023
Kenton County	I-275	over I-75	059B00054R	9/2023
Kenton County	I-275	over I-75	059B00055N	9/2023
Kenton County	I-275	over I-75	059B00056N	9/2023
Pulaski County	KY 9008	Fishing Creek	100B00074L	8/2023
Pulaski County	KY 9008	Fishing Creek	100B00074R	8/2023

II. PROJECT INFORMATION

Project Manager -	Ashley Graves, P.E.
User Division -	Division of Maintenance
Approximate Fee -	\$2,400,000 Total - Cost Plus a Fixed Fee
	Package 1 – \$800,000
	Package 2 – \$800,000
	Package 3 – \$800,000
Project Funding -	Federal Funds
Contract Term -	Two Years

III. PURPOSE AND NEED

To ensure the continued structural safety of Bridge structures for use by the motoring public by providing NBI/NSTM inspections mandated by the FHWA and performed in accordance with the National Bridge Inspection Standards.

IV. DBE REQUIREMENT

The Consultant team may 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 would demonstrate how DBE companies will be mentored or used to assist in the area(s) pertaining to this contract. If included, an additional page will be allowed in the Project Approach (Section 7) to exhibit this plan. No additional points will be provided in the Evaluation Factors for the DBE Participation Plan.

V. SCOPE OF WORK

Reports are filed with the Division of Maintenance records as well as recorded electronically. Copies of reports are also shared with the District personnel and adjoining state DOT's. Inspection reports are used to determine needed repairs, allow for KYTC to prepare a budget for future years and share information and trends with other states.

VI. SPECIAL INSTRUCTIONS

Three (3) Consultants will be selected (1, 2 and 3). The Division of Maintenance will assign the packages to the three (3) selected consultants. Inspections packages are randomly listed and do not necessarily reflect the order of importance or anticipated contract size.

The Department reserves the option to modify the selected Consultant's agreement to include any necessary engineering and/or related services for this project. The firm or one of their subconsultants must at that time be prequalified by the Department in the required area(s).

The Department may modify the selected Consultant's agreement to include additional bridge inspections and/or necessary bridge maintenance engineering services associated for this project. The additional related engineering services may be requested up to a contract upset limit of \$150,000 above the initial contract amount for each contract package. No additional service contract shall exceed \$150,000 without written approval from the State Highway Engineer.

Instructions for Response to Announcement can be found at:

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

VII. PREQUALIFICATION REQUIREMENTS

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

STRUCTURE DESIGN

- Spans Under 500 feet

Additionally, the Consultant project team must meet the following by the response due date of this advertisement:

- Demonstrate experience with performing inspections for NBIS purposes, or demonstrate an understanding of NBIS requirements for such inspections by demonstrating knowledge of the current edition of FHWA Bridge Inspector's Reference Manual (BIRM), the current edition of the AASHTO Manual for Bridge Evaluation, the current edition of the AASHTO Manual for Bridge Element Inspection and the Recording and Coding guide for Structural Inventory and Appraisal of the Nations Bridges, the current edition of the Specifications for the National Bridge Inventory (SNBI); and
- Demonstrate an understanding of the access and traffic control requirements of conducting such inspections by providing a narrative describing what types of access equipment might be required and how traffic control would be handled (which should identify whether these can be provided in house or obtained through other means)
- Have adequate staff, who meet minimum requirements for qualification for Team Leader

or Program Manager as set forth in National Bridge Inspection Standards (23 CFR 650 C), to be present in each area of operation during all phases of inspection and condition reporting. (A copy of certificate of successful completion of National Highway Institute following courses or their approved equals: 130055 "Safety Inspection of In-service Bridges" and 130078 "Fracture Critical Inspection Techniques for Steel Bridges", will be required for each Team Leader for inspection).

- Inspector of Record must prove that a comprehensive bridge inspector refresher training has been completed in the last 5 years
- Have all inspection staff trained for element level condition reporting in AASHTOWARE Bridge Management (BrM) software used by KYTC; and
- Have available computer hardware for installation of KYTC's BrM software.
- Have adequate staff, meeting team leader qualifications under NBIS, to perform inspections within prescribed frequencies described in scope of work.
- Have available trained staff for performing Non Destructive Testing (Dye Penetrate and Magnetic Particle)

VIII. PROCUREMENT SCHEDULE

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

- Advertisement Date: October 11, 2022
- Response Date: November 2, 2022 by 4:30 PM ET (Frankfort Time)
- First Selection Meeting: November 7, 2022
- Final Selection: November 21, 2022
- Pre-Design Conference: November 30, 2022
- Fee Proposal Due: December 21, 2022
- Contract Negotiations: December 30, 2022
- Notice to Proceed: January 11, 2023

IX. PROJECT SCHEDULE

- Initial BrM entry started within same month of each inspection due.
- Draft BrM entry completed before Post-Inspection Meeting.
- Post-Inspection Meeting held within 45 days after completion of each bridge field inspection.
- Final reports and Final BrM entry completed within 60 days after completion of each bridge field inspection.

X. EVALUATION FACTORS

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

1. In-house capability to perform the required services. (20 Points)
2. Experience with in-depth and NSTM inspections. (20 points)
3. Unique bridge inspection access techniques to minimize traffic. (20 points)
4. Past record of performance on projects similar in type and complexity. (10 Points)

5. Available team workload capacity to comply with project schedule. (10 Points)
6. Knowledge of the locality and familiarity of the general geographic area. (2 Points)

XI. SECTION COMMITTEE MEMBERS

1. Ashley Graves, P.E., User Division
2. Dora Alexander, P.E., User Division
3. Joseph Van Zee, P.E., Secretary's Pool
4. Larry Krueger, P.E., Secretary's Pool
5. R. Bruce Scott, P.E., Governor's Pool