



105 West Capitol Avenue
P.O. Box 270
Jefferson City, Missouri 65102

Missouri Department of Transportation
Patrick K. McKenna, Director

1.888.ASK MODOT (275.6636)

July 27, 2022

Dear Consultant:

The Missouri Highways and Transportation Commission is requesting the services of a consulting engineering firm to perform the described professional services for the project included on the attached list.

If your firm would like to be considered for these consulting services, you may express your interest by responding to the appropriate office, which is indicated on the attachments. Limit your letter of interest to no more than six pages. This letter should include a statement and other information to indicate your firm's understanding of the project and the approach that your firm would use for ensuring that the inspections are completed and findings resolved in accordance with the FHWA memorandum and MoDOT requirements. It should also include any other information which might help us in the selection process, including key personnel you would assign to the project and the backgrounds of those individuals, and any sub-consultants you would propose to use, and an indication of your firm's approach to promoting and developing a diverse workforce. MoDOT is committed to reflecting the diversity of the communities we serve and we expect our partners to do the same. We will utilize the consultant information already on file so we will not need a lengthy submittal of other general company information. In addition, please attach two pages with detailed information on similar projects that your key personnel have worked on. Indicate the role your key personnel played in the projects and include reference contact information.

DBE firms must be certified by the Missouri Department of Transportation in order to be counted as participation towards an established DBE Goal. We encourage DBE firms to submit letters of interest as prime consultants for any projects they feel can be managed by their firm. We also encourage both DBE firms and non-DBE firms to consider joining MoDOT's Mentor/Protégé program whenever possible as part of a MoDOT project.

MoDOT will evaluate firms based on: Project Understanding & Innovation, Past Performance, Qualifications of Personnel Assigned, General Experience of Firm, Familiarity/Capability, Accessibility of Firm & Staff. Firm's not providing a response on approach to workforce diversity will be considered non-responsive to this solicitation. Firm's that are not current on all of the required prequalification categories found in [MoDOT's Approved Consultant Prequalification List](#) at the date of the solicitation expiration will be considered non-responsive.

We request all letters be received by 3:00 pm, August 12, 2022 at the appropriate office.

Sincerely,

DocuSigned by:

7235401073964B4
Travis Koestner, P.E.
State Design Engineer

Our mission is to provide a world-class transportation system that is safe, innovative, reliable and dedicated to a prosperous Missouri.

www.modot.org

Attachment

DISTRICT OFFICES

Bridge Division
Bryan Hartnagel, P.E.
State Bridge Engineer
Missouri Department of Transportation
105 West Capitol Avenue
Jefferson City, MO 65102

Contact
David Koenig, P.E.
Bridge Management Engineer
Bridge Division
Phone: (573)-526-0556
Fax: (573)-526-5488
David.Koenig@modot.mo.gov
Email responses are encouraged

| Specialized Bridge Inspection Services MoDOT Structures with T-1 Steel | | | | | | | | | | | | | | | | |
|---|--|--------------------|-----------|----------------|--------|-----------|----------------|-------|-----------|--------------------|-------|-----------|------------------|-------|--------|-----------------|
| Job No: | ST0008 | | | | | | | | | | | | | | | |
| Location: | SL District and SE District | | | | | | | | | | | | | | | |
| Proposed Improvement: | NA | | | | | | | | | | | | | | | |
| Length: | NA | | | | | | | | | | | | | | | |
| Approximate Construction Cost: | NA | | | | | | | | | | | | | | | |
| DBE Goal (if applicable) | 0% | | | | | | | | | | | | | | | |
| Consultant Services Required: | <p>On December 13, 2021, the FHWA issued a memorandum titled <i>Non-Destructive Testing of Fracture Critical Members Fabricated from AASHTO M244 Grade100 (ASTM A514/A517) Steel</i>. This type of steel is more commonly known as T-1 Steel. The memorandum requires states to identify structures that have tension members fabricated using this steel and have butt welds. Once weld locations are identified, states are required to do specialized inspection of the welds in accordance with the memorandum and resolve any adverse findings by March 31, 2024.</p> <p>MoDOT has identified five structures (shown below) that fall under the requirements of this memorandum, thus requiring the specialized inspection.</p> <table style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td style="padding-right: 20px;">A1501E</td> <td style="padding-right: 20px;">IS 64 EBL</td> <td>St. Louis City</td> </tr> <tr> <td>A1501W</td> <td>IS 64 WBL</td> <td>St. Louis City</td> </tr> <tr> <td>A3292</td> <td>IS 70 EBL</td> <td>St. Charles County</td> </tr> <tr> <td>A4017</td> <td>IS 64 WBL</td> <td>St. Louis County</td> </tr> <tr> <td>A1700</td> <td>IS 155</td> <td>Pemiscot County</td> </tr> </tbody> </table> <p>The consultant will provide professional, technical, and other personnel, equipment, material, and all other things necessary to ensure MoDOT complies with the requirements of this memorandum, for the five structures listed. In general, the consultant will be required to generally complete the tasks shown below and any other tasks that are identified as this project progresses. The potential exists for the project to include supplemental agreements for tasks that are identified as needed during the process. Tracking and invoicing of costs separately for each structure may also be required. The consultant will have to comply with the requirements of the FHWA memorandum as well as MoDOT and NBIS requirements.</p> <p>The following are the generally identified work tasks. Additional work tasks may be identified as the inspection process proceeds.</p> <ol style="list-style-type: none"> 1. Review structures for presence of T-1 steel and butt welds in tension members. 2. Develop and implement a plan for completion of required inspections | A1501E | IS 64 EBL | St. Louis City | A1501W | IS 64 WBL | St. Louis City | A3292 | IS 70 EBL | St. Charles County | A4017 | IS 64 WBL | St. Louis County | A1700 | IS 155 | Pemiscot County |
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| | <p>for these structures, including access methods that are needed for performance of the inspections.</p> <ol style="list-style-type: none"> 3. Develop and implement any traffic control plans for inspection and fulfill any railroad requirements that may exist when inspected portions of structures are over railroads. 4. Perform the inspections, including any NDT that is needed for the inspection. This would include confirming that ultrasonic testers are qualified to perform the type of specialized inspection that is required for these structures. 5. Review findings of the testing at each location and provide direction on the actions that are needed to address any adverse findings. This may include follow up laboratory or other testing to provide additional information on areas with adverse findings. 6. Develop repair plans to deal with adverse findings. This may include a PSE type submittal whenever it is determined that the best approach is to put repair work out for bid by contractors. 7. Oversee any repair work that is being completed to ensure that it is being done properly. 8. Provide final reports on all five structures that document the inspections that took place, the findings of those inspections, and the resolutions completed to resolve adverse findings from those inspections. Additionally, recommendations on any future follow up actions that are warranted should be included in the reports. |
| Other Comments: | <p>Interviews or presentation will not be required for the consultant selection.</p> <p>Tentative Date of Consultant Selection-by September 2, 2022. Contract negotiations will begin after consultant selection with work anticipated to start by October 1, 2022.</p> <p>Informational documents, including a draft scope of services: https://www.modot.org/files-download</p> |

Rating Criteria w/Weighted Values

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|--------------------------------------|----------------------|
| Project Understanding & Innovation | 25 Points Max |
| Past Performance | 25 Points Max |
| Qualifications of Personnel Assigned | 20 Points Max |
| General Experience of Firm | 10 Points Max |
| Familiarity/Capability | 10 Points Max |
| Accessibility of Firm & Staff | <u>10 Points Max</u> |
| | 100 Points Max Total |