



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)

March 22, 2023

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 to indicate your firm's understanding of the project. 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 one page 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, April 5, 2023 at the appropriate office.

Sincerely,

DocuSigned by:

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

Attachment

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

www.modot.org

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
(573) 526-0556
David.Koenig@modot.mo.gov
Email responses are encouraged

Load Rating Update Project State Owned Large/Unusual Structures	
Job No:	ST0010
Location:	Statewide
Proposed Improvement:	NA
Length:	NA
Approximate Construction Cost:	NA
DBE Goal (if applicable)	0%
Consultant Services Required:	<p>The consultant will be expected to complete a load rating on state owned structures, in accordance with MoDOT policies in EPG 753.15 and AASHTO requirements outlined in the <i>Manual for Bridge Evaluation</i>.</p> <p>Examples of large structures would be the Missouri/Mississippi river crossings and major lake structures. Examples of unusual structures would be filled arches, open spandrel arches, and segmental bridges. Other examples include curved structures, viaduct structures, frame structures, and trusses.</p> <p>It is assumed that many of the large/unusual structures may have significant portions of the bridge for which a realistic load rating model can't be developed in the AASHTOWare Bridge Rating software. For bridges where some portion of the structure can be modeled in AASHTOWare Bridge Rating, the consultant will be expected to license this software to complete the work assignments for that portion of the structure. Consultants can get a reduced price single workstation license of the software thru MoDOT sponsorship. Other software may be needed to accurately model the structures, including hand calculations, and the consultant will need to determine the appropriate software to use.</p> <p>Consultants will be provided with existing bridge plans, shop drawings (as needed), NBI data, and existing load rating values that are available for various trucks. When a complete or partial AASHTOWare model is available, that model will be provided to the consultant for their use. When detailed load rating results from other software are available, that information will be provided to the consultant for reference purposes.</p> <p>When determining the scope for a contract, the Project Manager will work with the consultant to determine the most efficient approach to completing the load rating on a structure. Although an</p>

	<p>AASHTOWare Bridge Rating model is desired, it may not always be the most efficient approach on a given structure.</p> <p>In general, all bridges will be rated using the load factor method. Consultants may also be asked to provide ratings using the load and resistance factor rating method. In some situations, a consultant may be asked to include allowances for specific areas of deterioration on bridges and will be provided inspection reports, photos, and other information on deteriorated areas of the structure. Load rating of gusset plates on truss structures will also be required.</p> <p>The specific deliverables will be defined in the more detailed scope of services in the contracts. Where portions of a bridge can be modeled in AASHTOWare Bridge Rating, a deliverable will be that model. For structures that other software is used for modeling, detailed output of forces, member capacities, and load rating results from that software will be required as part of the deliverables. A detailed summary table of the results for a structure will also be required as a deliverable.</p>
Other Comments:	<p>Interviews or presentation will not be required for the consultant selection.</p> <p>Tentative Date of Consultant Selection-May 1, 2023. Contract negotiations will begin after consultant selection with work anticipated to start around July 1, 2023.</p>

Rating Criteria w/Weighted Values

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