



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:

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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 Routine Structures	
Job No:	ST0009
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>It is assumed that most of the routine structures can be modeled in the AASHTOWare Bridge Rating software, and the consultant will be expected to license this software to complete the work assignments within the contract. Consultants can get a reduced price single workstation license of the software thru MoDOT sponsorship.</p> <p>Routine structures are the commonly built ones that are easily modeled in load rating and design software. Representative examples would be a four span continuous prestressed concrete bridge and a three span simple steel wide flange bridge.</p> <p>The typical work assignments are expected to fall under the three categories listed below.</p> <ol style="list-style-type: none"> 1. Generalized review of an existing checked AASHTOWare model of a bridge. Any updates that are needed shall be made and the model provided back to MoDOT upon completion. 2. Complete a thorough review of an existing unchecked AASHTOWare model of a bridge. Corrections that are needed shall be made and the model provided back to MoDOT upon completion. 3. Development of a complete AASHTOWare model of an existing bridge, where an existing model doesn't exist or is deemed insufficient. The completed model shall be provided back to MoDOT upon completion. <p>All structures must be modeled in AASHTOWare Bridge Rating, unless a different approach is approved by the Project Manager. Different approaches will only be approved for unusual situations or for structures that can't be modeled in AASHTOWare Bridge Rating and will require more detailed deliverables.</p>

	<p>In general, all bridges will be rated using the load factor method. Consultants may be asked to populate the information fields needed for a future load and resistance factor load rating on a bridge. In some cases, the consultant may be asked to complete the load rating utilizing the load and resistance factor method.</p> <p>At a minimum, the load rating models will be developed based on existing bridge plans or field measured dimensions when plans are not available. In some situations, a consultant may be asked to include allowances for specific areas of deterioration on bridges.</p> <p>Consultants will be provided existing bridge plans, existing AASHTOWare models, current NBI data, and existing load rating values for some vehicles (as available). For some structures, consultants may also be provided inspection reports and photos of significant areas of deterioration when we request it to be included in the developed model.</p> <p>The specific deliverables will be defined in the more detailed scope of services in the contracts. For most structures, the deliverable will likely be the AASHTOWare Bridge Rating model, and a short summary of the load rating results on the bridge including any significant issues related to the development/review of the load rating model. More detailed deliverables will be required for structures that require other software or calculations to complete the load rating analysis.</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 June 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