

**Missouri Department of Transportation**

*Patrick K. McKenna, Director*

1.888.ASK MODOT (275.6636)

November 8, 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 **four** 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.

In order to ensure fair competition on Alternative Project Delivery projects, all consultants and sub-consultants performing work on this project must be willing to be disqualified from competition on a project using Alternative Project Delivery methods resulting from any of the work in this contract. MoDOT reserves the right to sole discretion on this matter

MoDOT will evaluate firms based on: : Project Understanding and Innovation, Qualification of Personnel Assigned, Project Management/Capability, Project Understanding, and General Experience of Firm. 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, November 22, 2023 at the appropriate office.

Sincerely,

Kenny Voss, P.E.  
Assistant State Design Engineer

Attachment

## **DISTRICT OFFICES**

Improve I-70

Eric Kopinski, P.E. – Improve I-70 Program Director  
Missouri Department of Transportation  
830 MoDOT Drive  
Jefferson City, MO 65109

Contact:

Kimberly M. Trainor, P.E. – Improve I-70 East Director  
(573) 231-2786  
Kimberly.Trainor@modot.mo.gov  
Email responses are encouraged

<b>Warren and St. Charles Counties, Interstate 70 and 64</b>	
<b>Job No:</b>	JST0020, JSL0057, J6I0624, J6I3033, J6I3479
<b>Location:</b>	I-70 and I-64
<b>Proposed Improvement:</b>	Safety and capacity improvements to I-70 from Warrenton to and including the I-64/70 interchange at Wentzville in Warren and St. Charles Counties. Plus, I-64 capacity improvements from I-70 to Route K in St. Charles County.
<b>Length:</b>	Approx. 30 miles
<b>Approximate Construction Cost:</b>	\$550 million
<b>DBE Goal (if applicable)</b>	10%
<b>Consultant Services Required:</b>	<p>See additional descriptions on subsequent pages.</p> <ul style="list-style-type: none"> <li>• Serve as owners engineer through procurement and construction.</li> <li>• Ability to deliver aggressive schedules.</li> <li>• Perform preliminary engineering, including surveying, preliminary roadway and bridge design (preliminary plans and bridge memos), utility and SUE investigation, geotechnical investigation, traffic modeling (VISSIM, Synchro), and Highway Safety Manual (HSM) safety analysis.</li> <li>• Perform detailed analysis of preliminary design to appropriately allocate risk.</li> <li>• Produce preliminary construction cost estimate.</li> <li>• Complete and/or assist with environmental and historic preservation surveys, clearances and permits.</li> <li>• Identify right-of-way impacts along the corridor.</li> <li>• Public, city, and community involvement and outreach, including meetings/hearings.</li> <li>• Identify, analyze, and recommend mitigation for risk items.</li> <li>• Participate in risk assessment process and associated activities as needed.</li> <li>• Identify future funding opportunities and assist with associated grant writing.</li> <li>• Assist with design reviews and construction administration.</li> </ul>
<b>Other Comments:</b>	An Industry Meeting is scheduled for November 14, 2023 from 1:00-2:30 PM at Progress Park Banquet Hall, 968 Meyer Road, Wentzville, MO 63385. A presentation will be provided regarding

the needs associated with the Owner Engineer solicitation and time will be allotted for questions.

In order to ensure fair competition on an Alternative Program Delivery (APD) project, consultants providing services as an Owners Engineer (OE) shall not be eligible to participate as a competing participant in an APD project. Consultants and subconsultants providing services as a supplement to this original contract, shall be disqualified from participating in the competition. MoDOT reserves the right of sole discretion on this manner.

The solicitation letter of interest response shall be submitted to MoDOT by email to: [Kimberly.Trainor@modot.mo.gov](mailto:Kimberly.Trainor@modot.mo.gov) by 3:00 PM, November 22, 2023. The notification of shortlisted firms will be posted by November 30, 2023. Interviews of shortlisted firms are tentatively scheduled for December 5, 2023. The notification of the selected consultant team is scheduled for December 8, 2023. Execution of the contract is expected by February 1, 2024.

More information can be found on the subsequent pages.

## Rating Criteria w/Weighted Values

### Project Understanding

25 Points Max

- Variety of scope in the project
- Various Alternative Delivery Methods (especially Design-Build) including understanding of processes, variety of bridging documents and schedule, risk identification, and strategies to retire risk
- Understanding of definition of scope of proposed project

### Qualifications of Personnel Assigned

25 Points Max

- Experience with design-build contracting in the transportation industry
- Experience in risk analysis and mitigation
- Experience in providing successful innovations to increase value
- Past performance of personnel on MoDOT projects

### Project Management/Capability

20 Points Max

- Effectiveness of overall approach to managing the development of contract documents
- Ability to manage multiple partners and obtain deliverables
- Effectiveness of team communication and arrangements with both MoDOT and subconsultants
- Effectiveness of quality control/assurance approach
- Approach to managing the development of multiple projects concurrently

### Innovation/Risk Management

20 Points Max

- Ability to bring cost-effective innovations to improve the individual projects and MoDOT's Alternative Project Delivery program
- Ability to effectively provide and partner to provide innovative solutions to mitigate risks
- Experience with successfully implementing alternative contracting and risk management initiatives
- Effectiveness of proposed innovations

### General Experience of Firm

10 Points Max

- Experience with design-build contracting in the transportation industry
- Experience developing complex road and bridge contract documents
- Effectiveness of approach and resources to meet schedule demands and potential tasks
- Past performance of firm on MoDOT projects

**100 Points Max Total**

JST0020, JSL0057, J6I0624, J6I3033, J6I3479 – Safety and capacity improvements to I-70 from Warrenton to and including the I-64/70 interchange at Wentzville in Warren and St. Charles Counties. I-64 capacity improvements from I-70 to Route K in St. Charles County.

\$550,000,000 Estimated for Construction – 10% DBE Goal

#### DRAFT Project Timeline

- Preliminary Investigations/Risk Assessment – Spring 2024
- NEPA Clearance/SIU 7 EIS Re-evaluation – Summer 2024 (Jacobs)
- Preliminary Plans – May/June 2024
- Right of Way Plans – As needed after design-build award
- Design-Build Request for Qualifications – May/June 2024
- Design-Build Request for Proposals – June/July 2024
- Design-Build Award – December 2024/January 2025

#### General

- Availability to deliver aggressive schedules
- Update/Coordination Meetings
- Risk Assessment – Risk Manager
- Public Involvement – Public Meetings, Reconvening CAG if necessary, News Releases

#### Roadway/Bridge Design

- Development of Preliminary Plans (30%) including bridge memos, retaining walls, and sound walls, ITS needs, traffic modeling, and safety analysis.
- Produce preliminary construction cost estimate.
- Development of Right of Way Plans at acquisition areas.
- Hydraulic designs/calculations for open and closed drainage.
- Utility Coordination
- Review of Design-Build proposals. (Roadway Designs, Bridge Designs, Traffic modeling, Maintenance of Traffic Plans, Geotechnical)
- Assistance with Design Exceptions, AAS, RFC
- Railroad Submittals – I-64/I-70 Interchange, Foristell, and Parallel Areas

#### Surveying

- Establishment of MoDOT Right of Way and centerlines
- Establishment of property lines and monumentation in acquisition areas.
- Right of Way acquisition legal descriptions and documentation, as needed.
- Locate utilities and drainage structures within the project limits.
- SUE Investigation in specific areas
  - I-70/64 Interchange at Wentzville
  - I-70/Route T and W Interchange at Foristell
  - I-70/Route F and J Interchange at Wright City
  - I-70/Route 47 Interchange at Warrenton
- Provide topography for needed areas beyond original aerial topography.
- Geotechnical staking.
- An Early Notice to Proceed may be granted to begin Right of Way establishment and utility/drainage locates.

### Environmental/Historic Preservation

Note: During the Environmental Impact Study Re-evaluation, permission to perform fieldwork outside of MoDOT Right of Way was not obtained from all adjacent property owners. The Owners Engineer is expected to perform further project design to determine specific parcels requiring environmental fieldwork. Access to a permission tracking GIS site will be provided. Upon identification of parcels, MoDOT will jointly work with the Owners Engineer to obtain needed access permissions.

- Complete environmental fieldwork on needed parcels as determined by further design (Cultural Phase I, Wetland and stream surveys, Noise, Hazardous Materials etc.)
- Perform Archeological Phase 2 investigations in needed areas.
- Assist with necessary permitting and agency coordination.
- Assist with updates/revisions to the EIS Re-evaluation.

### Geotechnical

Note: MoDOT has obtained pavement cores on I-70 and general borings at each interchange.

- Provide geotechnical investigation (Bridges, Retaining Walls, Sound Walls, etc.)
- Preliminary Geotechnical Reports

### Right of Way

- Acquisition of needed parcels.

### Construction

- Provide professional, technical, and other personnel, equipment, material, and all other things necessary for inspection, testing and administration of the projects.
- Field inspections of all work and contract activities.
- On-site quality assurance materials testing
- Project documentation
- Material reporting
- Attendance of meetings
- Advanced Work Zone Certified and MoDOT Technician Certified