



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)

07/26/2021

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: 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, August 20, 2021 electronically.

Sincerely,

2021.07.27  
14:06:54-05'00'

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](http://www.modot.org)***

## **DISTRICT OFFICE**

SE District  
Mark Croarkin – District Engineer  
Missouri Department of Transportation  
2675 N Main St.  
Sikeston, MO

### **Contacts**

Jessie “Benji” Philpot – Transportation Project Manager  
573-472-5371  
[Jessie.Philpot@modot.mo.gov](mailto:Jessie.Philpot@modot.mo.gov)

David Simmons –Central Office  
314-220-6572  
[David.j.simmons@modot.mo.gov](mailto:David.j.simmons@modot.mo.gov)

Email responses are encouraged

## District Southeast

<b>Chester &amp; Horse Island Chute Bridge Replacements</b>	
<b>Job No:</b>	J9P3857
<b>Location:</b>	MO 51/Rte. 150
<b>Proposed Improvement:</b>	Replacement of Missouri River Bridge near Chester, IL
<b>Length:</b>	0.86 miles
<b>Approximate Construction Cost:</b>	\$177,000,000
<b>DBE Goal (if applicable)</b>	10%
<b>Consultant Services Required:</b>	<p>The consultant <b>will</b> provide professional, technical and other personnel, equipment, material, and all other things necessary to complete the NEPA process for Perry MO 51 at Chester Bridge.</p> <p>The consultant <b>may</b> assist the MoDOT Design-Build Project Director throughout Procurement, Design and Construction phases of the project. Consultant should be familiar with the Design-Build method of delivery and be able to provide expert services in multiple areas.</p> <p>Interviews (or presentations) may be conducted. Tentative Date of Consultant Selection – August 31, 2021. Please submit letter of interest via email to:  <a href="mailto:jessie.philpot@modot.mo.gov">jessie.philpot@modot.mo.gov</a></p> <p>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.</p>
<b>Other Comments:</b>	<p>Consultant should be capable of performing a variety of tasks including but not limited to:</p> <p>See Below</p>

## **J9P3857 Chester River and Horse Island Chute Bridge Replacement**

### **DESIGN-BUILD SUPPORT**

- Provide a Strong Owner Design-Build Team
- Provide a highly organized project management plan clearly defining roles and responsibilities of Owner Team.
- Demonstrate interdisciplinary relationships for the development of the Procurement.
- Facilitate, participate, organize and document Risk Assessment and Risk Allocation for the Project.
- Manage the Contractor team to ensure that Project Goals, values and technical requirements are upheld.
- Develop and foster a partnership with MoDOT and the DB Team selected.

### **ENVIRONMENTAL**

- Coordination and review of proposal/design/construction activities by the Proposer/Contractor relevant to potential environmental impacts.
- Provide support in attaining all necessary permits for the project.
- Review of design plans for compliance with environmental permits.
- Assist with 4f requirements and permitting
- USFW
- SHPO
- ILL Regulatory
- NEPA

### **PERMITTING**

- Assist with FAA permitting
- Assist with USCG permitting
- USACE 404, 408
- Bois Brule Levee District 408
- Railroad Coordination

### **PRELIMINARY ENGINEERING**

- Identify, analyze and mitigate (or recommend mitigation for) risk items especially analysis of Right of Way impacts.
- Preliminary investigations such as as-builts, Right of Way, environmental, bridge scoping, utility investigations, public involvement, and other activities to identify problems which need to be addressed
- Produce recommended solutions and a Conceptual Study Report and Conceptual Cost Estimate.
- Preparation of Public Involvement strategies and content

### **SURVEYING**

- Provide survey control, topography survey (LiDAR), right of way and bridge survey.
- Provide hydrologic surveys/bathymetric surveys

## **RIGHT OF WAY**

- Public Involvement (Public Hearings)
- Pre-acquisition Meetings- Progress Report Meetings
- Title Commitments
- Appraisal Services
- Negotiations
- Relocation Services
- Mediation
- Condemnation/Legal Processing

## **BRIDGE**

- General oversight of major bridge design
- Extensive bridge knowledge and expertise to provide advice and recommendations during procurement and construction is required
- Provide bridge calculations or data as necessary to obtain permits for the project
- Provide hydraulic calculations / modeling as necessary
- Provide vessel collision model
- Provide recommendations for bridge constructability issues and/or questions
- Provide preliminary bridge cost estimates for the structures on the project if necessary
- Evaluation and recommendations to the Project Director concerning Additional Applicable Standards (AAS), Design Exceptions and proposed Equal or Better Change Proposals (EBCP).
- Review bridge design calculations, drawings and reports during construction as part of MoDOT's oversight, audit, inspection and testing reviews for the project and provide recommendations (may include review of temporary false work drawings/calculations and/or engineering bridge slide reports).

## **GEOTECHNICAL**

- Provide Geotechnical Engineering support during procurement, design and construction.
- Provide MoDOT recommendations for geotechnical inquiries.
- Provide any calculations or data as necessary to obtain permits for the project.
- Provide any borings necessary -land and/or river

## **ROADWAY DESIGN**

- Extensive roadway design knowledge and expertise to provide advice and recommendations during procurement and construction is required
- Evaluation and recommendations to the Project Director concerning AAS, Design Exceptions and proposed EBCP.
- Provide general oversight of the roadway design activities
- Review and coordination of design activities
- Review and processing of various design-related requests for information from the contractor during the design phase.
- Prepare Preliminary and Right of Way plans.

## **UTILITY COORDINATION**

- Provide utility coordination as necessary.

- Investigate prior right information and rough cost estimates of relocations.

## **SCHEDULING**

- Familiarity with scheduling software. Ability to review, comment on and recommend approval of the Preliminary Baseline Schedule, Original Baseline Schedule, Monthly Progress Schedules, and any other schedules or scheduling activity that is required for this project.

### **Rating Criteria w/Weighted Values**

#### **Project Understanding**

**25 Points Max**

- Variety of scope in the projects listed
- 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-bid-build and 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 mobilize quickly to meet aggressive schedules
- 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-bid-build and 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**