

April 22, 2024

Dear Consultant:

The Missouri Highways and Transportation Commission (MHTC) 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 ten (10) pages, 8.5 x 11 inches. 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, 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 use the consultant information already on file so we will not need a lengthy submittal of other general company information. In addition, please attach a maximum of four pages, 8.5 x 11 inches, 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.

Disadvantage Business Enterprise (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, and 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 5:00 pm, **May 17, 2024** by email to [Britni.OConnor@modot.mo.gov](mailto:Britni.OConnor@modot.mo.gov).

Sincerely,



Kenny Voss, P.E.  
State Design Engineer

Attachment



## **Proposal Submission**

### **Missouri Department of Transportation Transportation Planning Division**

**Britni O'Connor**

Planning and Programming Coordinator

P.O. Box 270

Jefferson City, Missouri 65102

Email: [Britni.OConnor@modot.mo.gov](mailto:Britni.OConnor@modot.mo.gov)

*Electronic submissions required*

**Transportation Planning Division, Central Office**

<b>2026 Long Range Transportation Plan and 2026 State Freight and Rail Plan</b>	
<b>Job No:</b>	
<b>Location:</b>	
<b>Proposed Improvement:</b>	Update of two (2) plans, the Long Range Transportation Plan and the State Freight and Rail Plan
<b>Length:</b>	
<b>Approximate Construction Cost:</b>	
<b>DBE Goal (if applicable)</b>	12%
<b>Consultant Services Required:</b>	
<b>Other Comments:</b>	<p>Tentative Date the Consultant Short List will be posted to the web – May 31, 2024</p> <p>Interviews will be conducted with the short listed firms. Tentatively scheduled for week of June 24, 2024</p> <p>Tentative Date of Consultant Selection – July 10, 2024</p>

**Rating Criteria w/Weighted Values**

<b>Project Understanding &amp; Innovation</b> <i>Evaluate the firm's understanding of the scope of the project and innovative approach.</i>	25 Points Max
<b>Past Performance</b> <i>Rate the consulting firm on their past performance within the past 10 years on similar projects for MoDOT, other state DOT's, cities, counties, MPO's and others.</i>	25 Points Max
<b>Qualifications of Personnel Assigned</b> <i>Rate the qualifications of employees designated to this specific project. If subconsultants are utilized, the distribution of work should be well-defined.</i>	20 Points Max
<b>General Experience of Firm</b> <i>Evaluate the consulting firm for experience on similar and related types of work it has performed.</i>	10 Points Max
<b>Familiarity/Capability</b> <i>Evaluate the firm's familiarity and ability to comply with MoDOT Project Development processes and contract requirements.</i>	10 Points Max
<b>Accessibility of Firm &amp; Staff</b> <i>The ability of being available when needed.</i>	10 Points Max
<b>Max Total</b>	<b>100 Points</b>

# Scope of Services

1. **Background:** The MHTC is seeking a qualified Offeror who can provide services to develop an update to Missouri's Long Range Transportation Plan (LRTP) and State Freight and Rail Plan (SFRP) in coordination with MoDOT staff.

MoDOT last updated the [Long Range Transportation Plan](#) in 2018. Through that effort, five goals of Missouri's transportation vision were developed.

- Take care of the transportation system and services we enjoy today
- Keep all travelers safe, no matter the mode of transportation
- Invest in projects that spur economic growth and create jobs
- Give Missourians better transportation choices
- Improve reliability and reduce congestion on Missouri's transportation system

These goals guide the strategies and actions for all MoDOT investments.

MoDOT last updated the [State Freight and Rail Plan](#) in 2022. Through that effort, seven goals were developed.

- **Maintenance:** Maintain the multimodal freight and passenger rail system in good condition by keeping highways and bridges in good condition and supporting the maintenance of railways, waterways, airports and multimodal connections.
- **Safety:** Improve safety and security of the multimodal freight and passenger rail system by supporting efforts to decrease the number and severity of freight vehicle crashes, increase truck parking options, and improve safety throughout the multimodal freight system and the passenger rail network.
- **Economy:** Support economic growth and competitiveness in Missouri through strategic improvements to the multimodal freight network and passenger rail system.
- **Connectivity and Mobility:** Improve the connectivity and mobility of the multimodal freight and passenger rail system by reducing congestion on the roadways; increasing the reliability of the roadways and passenger rail network; supporting improved efficiency of rails, waterways, and airports; and improving connections between freight modes and between passenger rail and other passenger travel modes.
- **Equity and Environmental Resiliency:** Support equity and environmental resiliency of the multimodal freight and passenger rail system.
- **Process and Innovation:** Institute policies and practices that support the multimodal freight and passenger rail systems, encourage innovation and promote an efficient use of resources.
- **Customers and Partnership:** Improve coordination and collaboration with regional planning partners and multimodal freight and passenger rail stakeholders.

2. **General Project Scope:** The project's ultimate goals are to:

1. Update the existing LRTP
2. Update the existing SFRP
  - a. Update passenger rail economic impact study
  - b. Update port economic impact study

3. **Services and Deliverables:** The successful Offeror shall provide the following professional services:

a. **Update Missouri's Long Range Transportation Plan.** The successful Offeror will create a plan that incorporates the following, but not limited to:

- Validate the five goals listed in the current plan to ensure they are consistent with the needs of Missourians.
- Develop a LRTP that meets or exceeds federal requirements (see 23 CFR 450.216 for specific requirements).
- Update existing and future conditions/performance of the multimodal transportation system (including pedestrian walkways and bicycle transportation) for different planning scenarios along with identifying performance and funding gaps.
- Update existing and future system conditions/performance.
- Update existing and future conditions of funding/financing.
- Update economic impacts of the existing and future transportation system.
- Update connected and automated vehicle technology.
- Assess the statewide interest and need for a statewide bike/pedestrian plan and establish a possible framework for that plan.
- Identify methods for assessing current and future system-level safety deficiencies and for predicting the performance of various safety initiatives.
- Summarize statewide socioeconomic trends and forecasts.
- Develop Cost Feasibility Plan - Investments and Project Prioritization.
- Risks and Vulnerabilities Assessment - develop strategies to improve the resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation.
- Complete 45-day required public comment period, analysis, and report.
- The Offeror must provide the final plan in 508 compliance as this will be posted on MoDOT's website.
- The updated draft LRTP plan must be completed on or before December 31, 2025 to provide adequate time for MHTC review, a public comment period, and MHTC approval.

The final plan will include a report with detailed technical documentation and an executive summary developed through the informed consent of stakeholders. While MoDOT seeks some paper copies of the final plan, the final product will be web-based. The final report will contain a detailed narrative of the plan with graphics and exhibits that can be used by both MoDOT staff and the general public to learn about transportation in Missouri. The plan will also identify economic impact and investment scenarios discussed above for economic growth in Missouri. The document will provide easily accessible comprehensive information at a statewide level with

sufficient detail for each of MoDOT's seven district offices and planning partners to use for project prioritization and investment guidance.

- b. **Update Missouri's State Freight and Rail Plan.** The successful Offeror will create a plan that incorporates the following, but not limited to:
- The Freight and Rail Plan will be multimodal in nature and include highway, rail, waterway, intermodal, and air cargo transportation. At a minimum, the plan will meet state freight plan criteria outlined in [Title 49 U.S. Code Section 70202](#) and state rail plan criteria outlined in [Title 49 U.S. Code Chapter 227 - State Rail Plans](#).
  - Bottleneck analysis - identify locations of bottlenecks for modes beyond the list published by American Transportation Research Institute (ATRI), capacity feature causing the bottleneck (steep grade, geometrics, weight limit...), measure of delay, and what commodity does it impact.
  - Maintain granularities to maps included in last SFRP for tonnage and value.
  - Truck parking analysis - generate data identifying where truck parking capacity is deficit, informing resource allocation decisions, and where those vehicles are currently parking to support future competitive grant applications.
  - Origin-Destination by commodity or corridor.
  - Freight generators' needs to improve efficiency by using critical low-cost improvements especially in rural Missouri.
  - The Offeror must provide the final plan in 508 compliance as this will be posted on MoDOT's website.
  - The updated draft SFRP plan must be completed on or before December 31, 2025 to provide adequate time for MHTC review, a public comment period, and MHTC approval.

The final plan will include a report with detailed technical documentation and an executive summary developed through the informed consent of stakeholders. While MoDOT seeks some paper copies of the final plan, the final product will be web-based. The final report will contain a detailed narrative of the plan with graphics and exhibits that can be used by both MoDOT staff and the general public to learn about the impacts and correlations of freight and rail in Missouri. The document will provide easily accessible comprehensive information at a statewide level with sufficient detail for each of MoDOT's seven district offices and planning partners to use for project prioritization and investment guidance.

The final plan will include the Missouri freight network and a list of goals and strategies to guide MoDOT's freight investments. Projects identified should include low cost high value projects in rural and urban areas to benefit freight movement, remove bottlenecks, some large scale projects that would have a high benefit-cost ratio that could be suitable for discretionary grant applications, and other projects that align with the LRTP goals.

- c. **Freight Data.** The 2022 SFRP is based upon Transearch data. The acquisition of current data with a license for MoDOT's independent use for at least 5 years will be included with this project.

- d. **Communication Plan and Public/Stakeholder Engagement.** The successful Offeror is responsible for providing an updated, stakeholder-supported Missouri LRTP and SFRP to MoDOT. This shall include but not be limited to:

**Public Engagement:**

- The successful Offeror will develop and facilitate a Public Engagement Plan that outlines key messages and goals, defines approach for working with the media, and outlines effective tools to use to streamline the engagement approach.
- Establish key messages aligning with project goals.
- Draft the presentation documents for use during development and at end of this project.

**Stakeholder Engagement:**

- The successful Offeror will develop and facilitate a Stakeholder Engagement Plan that outlines key messages and goals, defines approach for working with the media, and outlines effective tools to use to streamline the engagement approach.
- Establish key messages aligning with project goals.
- Draft the presentation documents for use during development and at end of this project.

- e. **Creation of an Educational Missouri Freight Handout.** This document will identify why investing in freight movement infrastructure is important to Missouri's economy and jobs. This story of Missouri freight will be a foundation of the educational element for this project and will link freight movement to Missourian's jobs, economy, and quality of life. The intended audience for this leave-behind document is public officials and the general public.
- f. **Economic Impact Study for Passenger Rail.** The Missouri River Runner is a state-sponsored passenger rail route. The successful Offeror will provide an analysis that will identify the return on investment of this state-sponsored passenger rail line in Missouri related to jobs and economic growth.
- g. **Economic Impact Study for Ports.** Public ports play an integral role in the transport of freight into and out of Missouri; it can be difficult to quantify the economic impacts ports bring to the state. Many ports rely on state or federal dollars to make infrastructure improvements, but it is difficult to secure these funds without this information. The successful Offeror shall quantify the economic impacts of ports to the Missouri economy. Direct, indirect, and induced impacts should be identified and quantified. The economic impact of funding port improvements should be included in the analysis.

4. **MoDOT Responsibilities:** In updating the LRTP and SFRP, MoDOT will provide the following information:

- Existing state system data in the form of maps and/or graphs including bridges, roads, ports, transit, rail, air, roadway, and bridge system conditions, etc.
- Other technical tasks and data as determined necessary.