



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)

May 1, 2025

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 three 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, June 2, 2025 at the appropriate office.

Sincerely,
DocuSigned by:

A handwritten signature in blue ink that reads "Danica Stovall-Taylor". The signature is written over a blue rectangular box that contains the DocuSign ID "AAB9A534FC2F42A".

Danica Stovall-Taylor, P.E.
Assistant 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

District: St. Louis
Tom Blair – District Engineer
Missouri Department of Transportation
1590 Woodlake Drive
Saint Louis, MO 63017

Contact
Shaun Tooley, AICP
314-453-1838
Shaun.Tooley@modot.mo.gov
Email responses are encouraged

District SL

| St. Louis District, Various Routes | |
|---|---|
| Job No: | SL0146 |
| Location: | Various routes |
| Proposed Improvement: | This project will develop tools and resources for the maintenance and operation of arterial roadways in the St. Louis District. |
| Length: | Not applicable |
| Approximate Construction Cost: | \$0 |
| DBE Goal | 10% |
| Consultant Services Required: | See descriptions on subsequent pages |
| Other Comments: | <p>MoDOT will host an in-person and virtual overview presentation of the project on May 14, 2025 at the St. Louis District Office. Consultants interested in this project are encouraged to register and attend this presentation in-person or virtually to become familiar with the project status and scope of work.</p> <p>Interviews including presentations will be conducted with the short-listed firms. Tentative date of interviews is 07/16/25. The Consultant Short List will be posted to the web. Please submit letter of interest via email to Shaun.Tooley@modot.mo.gov</p> |

Rating Criteria w/Weighted Values

| | |
|--------------------------------------|----------------------|
| Project Understanding & Innovation | 30 Points Max |
| Past Performance | 15 Points Max |
| Qualifications of Personnel Assigned | 25 Points Max |
| General Experience of Firm | 20 Points Max |
| Familiarity/Capability | 5 Points Max |
| Accessibility of Firm & Staff | <u>5 Points Max</u> |
| | 100 Points Max Total |

Scope of Services

Background: The Missouri Department of Transportation and East-West Gateway Council of Governments published the Blueprint for Arterials in June 2024. The new regional resource provides guidance for both state and local governments in the St. Louis region for creating transportation projects with goals to focus on safety for all users, support multimodal transportation, be collaborative with communities, and being flexible with design decisions within the range of engineering judgment while following a consistent process.

During the creation of the Blueprint for Arterials resource key themes emerged that would potentially prevent the new resource from being actionable. Those influential themes are maintenance and funding for new transportation facilities and features. Since 2011, MoDOT and local agencies have increasingly added traffic calming and multimodal features and facilities to arterial roadways with the encouragement of federal funding and safety programs like Every Day Counts (EDC). The initial round of projects involved road reconfiguration using striping as a low cost, low maintenance measure. Subsequent projects would add a variety of newer features like midblock pedestrian crossings with on-demand beacon lights, concrete pedestrian refuge islands, roundabouts, concrete medians, and concrete curb extensions. This shift underway for safety and mobility is quickly becoming more complicated for transportation agencies to maintain and operate.

For Maintenance and Operations staff these new features and facilities present additional challenges to staffing, materials, equipment, workloads, operations budget, and creating new procedures to maintain them. For Planning and Design staff the challenge includes what features and facilities to include in projects that can be both funded and maintained by the agency. These decisions made during scoping and programming can limit the range of safety, mobility, and community benefits before a conceptual study is performed.

The primary focus for agencies like MoDOT and local governments has been maintaining the transportation system commonly known as asset management. However, a focus on asset management may perpetuate issues such as crashes, speeding, fatalities, and serious injuries that new features and facilities can address if not reduce significantly. Also, in 2024 the Gateway to Safer Roads: The St. Louis Regional Safety Action Plan was created and adopted by the regional Council of Governments. Its call to action for all governments in the region is for a 50% reduction in fatal and serious injuries over 25 years by 2050. Reaching this aspirational goal is not possible with a focus on asset management alone; agencies need to invest significantly in safety too.

Project Purpose: The purpose is to provide St. Louis area transportation agencies with information and tools necessary to operate and maintain all features including improvements on federal aid eligible roadways that are responsive to both agency needs and community needs. This effort will develop a supportive resource for agencies to implement the Blueprint for Arterials: Arterial Design Considerations Resource.

Services and Deliverables: The successful team shall provide the following professional services:

Create tools, resources, and strategies to enable state and local transportation agencies in the St. Louis region to clarify and enhance the role of maintenance and operations in planning, project development, and performance / monitoring. Build on Section V Design Considerations in the “Blueprint for Arterials: Arterial Design Considerations Resource” and AASHTO design guidelines to create tools that both evaluate the impact and effectiveness of applications and facilitate a variety of application levels, such as demonstration, quick-build, and permanent construction. These tools should give transportation agencies the information and tools to help maintain and operate features and facilities that reduce fatalities and serious injuries. The tools should help agencies with progress on local, regional, state, and federal policies focused on safety and mobility for all users, including safe systems and complete streets. Key areas of focus include vertical and horizontal traffic calming, alternative intersection design, and multimodal safety and mobility improvements in addition to typical roadway design.

1. ***Cost & Impact Workbook:*** Develop quantitative and qualitative tool for use by project teams and maintenance/operations staff to better understand, evaluate, and collaborate concerning the cost and resource impact of conceptual design options for all modes and users. Project element details may include quantitative calculation and evaluation of installation, replacement, staffing, equipment, programming, safety, and impact tradeoffs. The tool should be created to allow a lead agency(s) to review projects and update technical assumptions on an annual basis. The tool should be created to help area agencies estimate and justify funding and other resource needs for long-term maintenance of all modal facilities and features in agency asset management plans.
2. ***Example Plans with Maintenance Considerations:*** Create example plan sheets with maintenance considerations to encourage consistency and facilitate collaboration between project teams and maintenance and operations staff during the conceptual stage of project development to be fiscally responsible long-term. Include quantitative and qualitative profile information about the tradeoffs of design tools, such as crash modification factors.
3. ***Guidance for Documenting, Tracking, & Monitoring:*** Develop recommendations to facilitate action for how agencies in the St. Louis region can integrate traffic calming and multimodal assets into agency maintenance management plans and a process and template for coordination and collaboration across agencies. Create example templates and checklists to facilitate periodic inspection, condition rating, evaluation of facility / feature performance, and identification of when capital repair or reconstruction is needed. Create an example template of a maintenance management plan for traffic calming, alternative intersection design, and multimodal assets in addition to typical roadway design.
4. ***Level of Care Guidelines:*** Create a resource about typical maintenance work details, frequency, characteristics for levels of quality performance care to inform the development of the cost & impact workbook and guidance for documenting, tracking, & monitoring. Examples include identification of varying levels of care to inform when agencies need to adjust resources, such as hiring additional staff or when to rent, lease, or own maintenance equipment. Identify how to associate level of care with funding needed to maintain assets and provides a basis for communicating with the community. Create process and strategies for incorporation and scaling of roadway features and facilities associated with level of care.
5. ***Conducting Focus Groups and/or Workshops:*** Develop and perform focus groups and/or workshops to involve subject matter experts from county, regional, and state transportation agencies and other relevant staff in the creation, strategies for incorporation, and practice of the tools and resources. The focus groups and/or workshops should help inform the development of the four key task deliverables. Facilitate a workshop for agency leaders and subject matter experts about maintenance coordination approaches, resourcing, and funding for a range of maintenance performance targets.