

September 28, 2023

Dear Consultant:

The Missouri Highways and Transportation Commission requests the services of consulting firms to perform on-call professional services as described on the following pages. This solicitation is the first step in developing and executing Master Agreements for on-call services. Master Agreements allow MoDOT districts and divisions to enter Memorandums of Understanding (MOU) with consultants to perform services on contracts that total no more than \$200,000. **Execution of a Master Agreement does not guarantee future work.**

To be considered for these consulting services, you may express your interest by responding via email, as indicated on the following pages. Your firm must submit separate letters of interest for each work category accompanied by the cover sheet. Limit your letter of interest (LOI) to no more than three pages plus the cover page. Please submit your general company brochure and/or marketing materials in an electronic format to be posted to the MoDOT website; this material is limited to four pages. A page is defined as one side of an 8 1/2" x 11" sheet of paper. Listed below are the submittal requirements in electronic format:

- Cover Sheet
- Letter of interest for each category (3-page max, min 11-point font, per LOI)
- Company Brochure (4-page max)

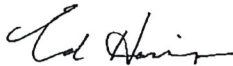
We encourage DBE firms to submit letters of interest for categories in which they are qualified. DBE firms must be certified by MoDOT.

MoDOT will evaluate firms based on: Diversity & Inclusion, General Experience of Firm, Past Performance, Qualifications of Personnel, Familiarity/Capability, and Accessibility. The scoring criteria weighted values are indicated on the following pages. Firms not current on all of the required prequalification categories found in [MoDOT's Approved Consultant Prequalification List](#) will not be allowed to execute a Master Agreement until all prequalification requirements are met. Consultants interested in the Right of Way Acquisition and Relocation Services category are not required to be prequalified. Please note some categories may have interviews, post submittal, to aid in firm evaluation and selection.

All letters must be received by 3:00 pm, October 27, 2023, via email. MoDOT will only consider those letters of interest received by the deadline.

The following pages outline additional information.

Sincerely,



Ed Hassinger, P.E.
Deputy Director/Chief Engineer

Attachments



WORK CATEGORY DESCRIPTIONS

Bridge Deck Surveys

This category of work is defined as condition evaluation of existing bridge decks using non-destructive techniques and/or traditional materials testing.

Bridge Design

A wide range of bridge-related engineering. Examples include plans development, cost comparisons, hydraulics, detailing and structural design.

Environmental – Cultural Resources

Conducting background investigations, Phase I surveys, Phase II National Register evaluations, Phase III adverse effects mitigation (e.g. archeological data recovery, documentation of historic bridges and buildings etc.), and other various tasks as related to cultural resources.

Environmental – Endangered Species

Completion of field surveys, required specialized species surveys, habitat assessments, and analyses to support a determination of impact to listed species and protected resources. Reports and results will be used for consultation with the US Fish and Wildlife Service and coordination with the Missouri Department of Conservation for MoDOT project impacts to endangered species in accordance with the Endangered Species Act and MoDOT policies and procedures.

Environmental – NEPA

Preparation of Categorical Exclusion, Environmental Assessment, and Environmental Impact Statement documents, and re-evaluations of documents in compliance with all requirements of the National Environmental Policy Act (NEPA).

Environmental – Noise Studies

Completion of a complete noise analysis in accordance with all requirements of MoDOT's noise policy and procedures. Analysis will consist of, but is not limited to noise monitoring, modeling, and the preparation of noise reports.

WORK CATEGORY DESCRIPTIONS – (Cont)

General Services – Architectural/Interior Design

Architectural design including interior space planning and design. This category will be utilized by MoDOT's General Services Division.

General Services – Civil/Structural

General site civil and civil-building design. Work may include: site grading design, parking lot design, and design structural elements of facilities including: geotechnical, foundation, and structural components. This category will be utilized by MoDOT's General Services Division.

General Services – Mechanical/Electrical

HVAC & Plumbing design for facilities including wastewater disposal and electric design for facilities and related site components. This category will be utilized by MoDOT's General Services Division.

Geotechnical Engineering Services

Geotechnical investigations and analysis for bridges, retaining walls, and landslides. This also includes the use of geophysical methods for investigation and analysis of karst areas and mine subsidence. Contractors that have drilling capabilities and geotechnical laboratories are preferred or team up with / have an established agreement with drilling services and/ or lab service companies. The drilling equipment should have calibrated automatic hammers. The laboratory shall be either AMRL or Corps of Engineers certified.

LiDAR & Photogrammetry

Light Detection and Ranging (LiDAR) services for design and development of the specified highway projects including survey control, data collection, imagery, data reduction, topographic mapping, and planimetrics as well as photogrammetric services.

Pavement Friction Testing

Friction testing pavement in compliance with ASTM E274. In general, the testing is performed with a ribbed tire in both wheel paths at 40 miles per hour on various Missouri state routes.

Value Engineering

Facilitation of Value Engineering Workshops. The work generally includes preparing for, facilitating/conducting, and generating workshop summary reports for value engineering workshops in the planning, design, or construction phase of a project.

WORK CATEGORY DESCRIPTIONS (Cont)

Right of Way Acquisition and Relocation Services

Full-service land acquisition and relocation assistance consultant. Federal regulations governing right of way acquisitions are found in 23 CFR (Code of Federal Regulations) and 49 CFR, Part 24. This work generally includes public involvement, appraisal, appraisal review, negotiations, writing legal descriptions and relocation.

Subsurface Utility Engineering (SUE)

SUE may include surveying utility location and plotting the facilities on utility composite drawings at any of the accuracy levels A thru D.

Traffic Engineering

Wide range of traffic-related engineering. Examples: transportation impact studies, signal timing/optimizations and design, and traffic modeling services.

Traffic – Electrical Engineering

Providing electrical engineering analysis & recommendations on items such as: battery back-up for signals and dynamic message boards, solar applications for signals, lighting and dynamic message boards, wire sizing for converting the roadway lighting system to LEDs, surge protection issues, signal cabinet and lighting system wiring revisions, circuit breaker sizing, and may include other items related to electrical engineering for traffic control devices.

Traffic – ITS Management & Design

Development of ITS architecture documents, traffic operations support, and policy guidance and/or standards related to ITS. This category may also include design work for ITS device deployment, network design and coordination, web design, database management, and video management design excluding the purchase of equipment.

Traffic – Safety Data Analysis

Providing statistically valid traffic safety studies using state-of-the-art practices. Examples: safety studies, safety plans, road safety assessments, crash modification factor and safety performance function development, and safety countermeasure performance evaluations.

Traffic – Structures

Providing structural engineering services for traffic-related structures such as: signal poles and mast arms, sign trusses, lighting poles, high mast lighting and ITS structures. Examples may include performing structural and foundation designs or analysis, reviewing any change orders or value engineering proposals, and evaluating existing traffic structures for load capabilities.

Utility Accommodation & Coordination

Providing all necessary collaboration and coordination to ensure the utility location and relocations are accommodated for a subject project. This work may include: meetings, field visits, reviewing plans, and providing all the necessary approval and/or paperwork documents associated with utility accommodation and coordination.

WORK CATEGORY DESCRIPTIONS (Cont)

Construction Materials Testing & Inspection

Managing and inspecting projects associated with the construction of a new and/or modified existing facility. This category also includes materials testing for quality assurance and may include other work related to construction materials testing and inspection. Also, it may include technical work to assist with testing and inspection at asphalt or concrete plants in the field. All inspectors must be certified to perform services according to Division 10 of the Code of State Regulations, Technician Certification Program.

Roadway Design

Development of highway plans. The work generally includes widening, resurfacing, pavement reconstruction, accommodation of utilities, stormwater retention, hydraulics, design and analysis of pedestrian and bicycle facilities and lighting. This category also includes 3D visualization modeling with the development of accurate and realistic 3D models, imagery, simulations, video sequences and related media from client provided design specifications, traffic models and real world data for the purpose of studying and presenting proposed scenarios. The category may also include other work as related to roadway design such as: slide repair, innovative project delivery and/or value engineering, planning and conceptual studies.

Surveying

Land surveys, property boundaries, elevation contours and site features. This category also includes survey description writing.

Multimodal Planning

Rail network planning and design (Freight and Passenger Rail) - Capacity analysis of existing or proposed rail lines. Identifications of improvements to increase capacity. Identification and evaluation of factors affecting rail and connection to other modes of transportation. Design of rail infrastructure and passenger rail facilities. Grant writing and grant administration. Firms should indicate if they specialize in a subset of this category.

Freight planning (all modes) - commodity flow and volume on segments of the multimodal freight network. Grant writing and grant administration. Program administration including PS&E review of state funded projects and development of user guide for state funded projects

Transportation Planning
Transportation planning – Research, analysis, assessment, outreach, engagement, and work product development to support general transportation planning. Analysis of associated federal or state regulation with assessment of anticipated impacts and resultant outcomes. Research of existing MoDOT plans, programs, and documents with a focus on identifying gap areas and opportunities related to federal compliance, plan and strategy alignment and other related activities. Research, evaluation, and reporting on related peer agency efforts associated transportation planning programs and regulatory compliance focus areas.
Developing plans, implementation guides, and conducting outreach and engagement efforts with transportation stakeholders related to the development of transportation planning work products and regulatory compliance focus areas, including alignment of plans and strategies with other state or federal plans. Writing work product deliverables for compliance with plan or strategies development requirements.

SCORING CRITERIA

Prequalification	Checked prior to signing Master Agreement
Workforce Diversity	5 Points Max
General Experience of Firm	20 Points Max
Past Performance	35 Points Max
Qualifications of Personnel	15 Points Max
Familiarity/Capability	20 Points Max
Accessibility	5 Points Max
	100 Points Max Total

SCORING CRITERIA DEFINITIONS

Prequalification – The firm must be listed on MoDOT’s Approved Consultant Prequalification List prior to this solicitation expiration date. Not required for Right of Way Acquisition and Relocation Services.

Workforce Diversity – The firm must address workforce diversity in their cover sheet. How does your firm help the Engineering Industry be more inclusive and diverse through hiring practices, partnerships, relationships, etc. It is not necessary to address workforce diversity in each individual LOI.



General Experience of Firm – The firm will be evaluated for experience on similar and related type work it has performed. This information should be included in the firm's letter of interest (LOI). The firm will also be evaluated on years of experience performing this type of service.

Past Performance – The firm will be evaluated on their past performance on similar projects for cities, counties, MPO's, MoDOT, and other entities.

Qualifications of Personnel – The firm will be evaluated based on the qualifications of employees in the firm. Consideration will be given to extensive experience in the category of work.

Familiarity/Capability – The firm will be evaluated on the firm's familiarity with federal projects and ability to deliver federal projects that are compliant with federal law.

Accessibility – Priority is given to firms with a previously established record of responsiveness to their clients' needs. When performing services from a distance what tools, technology, and/or strategies do you utilize to be responsive to your clients?

ANTICIPATED TIMELINE

September 28, 2023 – October 27, 2023 – Solicitation Period

November 1, 2023 – December 15, 2023 – MoDOT Review of Submittals

January 5, 2024 – Anticipated announcement date of selection (selected and non-selected)

January 6, 2024 – February 16, 2024 – Master Agreements executed with selected consultants

- New on-call contracts go into effect as Master Agreements are Executed

AGREEMENTS

Master Agreements will be executed with all selected firms. For selected firms, Memorandums of Understanding (MOU's) will be executed per project when work arises in the future.

MoDOT's on-call contracts are a generally standard cost-plus fixed fee contracting method for type of payment method. The fixed fee in the on-call contracts is limited to 12% maximum.

When an MOU is executed, the consultant must use their most current overhead rate established at prequalification. The overhead rates can be adjusted each year with the firm's updated prequalification information.

INSURANCE REQUIREMENTS

All consultants selected for on-call services are required to carry the following insurance limits:

1. Commercial General Liability: \$500,000 per person up to \$3,500,000 per occurrence;
2. Automobile Liability: \$500,000 per person up to \$3,500,000 per occurrence;
3. Worker's Compensation in accordance with statutory limits; and Employer's Liability of \$1,000,000;
4. Professional ("Errors & Omissions") Liability: \$1,000,000 each claim and in the annual aggregate.

Note: In lieu of the minimum coverage stated in above in items 1 & 2, the Consultant may obtain insurance at all times in an amount equal to the Commission sovereign immunity caps as stated in Section 537.600 RSMo and subsequently adjusted by the Missouri Department of Insurance.

WORKFORCE DIVERSITY

For more information regarding workforce diversity see MoDOT's EPG 134.1.7. How does your firm help the Engineering Industry be more inclusive & diverse through hiring practices, partnerships, relationships, etc.

QUESTIONS?

To obtain a copy of an unexecuted Master Agreement and MOU in order to review the contract language, or for general questions, please contact:

Jeff Cremer at Jeffrey.Cremer@modot.mo.gov at or at 573-751-3705 or

Keith Jennings at or at Keith.Jennings@modot.mo.gov 573-526-3851.

CONTACT INFORMATION FOR SUBMITTALS

Send all responses to: MoDOTOnCall@modot.mo.gov

**Note: MoDOT will send a confirmation email back to firms indicating receipt of submittals.*





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)

(This must accompany your firm's letter of interest and does not count in the page limit)

Firm's Full Legal Name: _____
Firm's Contact Name: _____
Contact Email Address: _____
Firm's Mailing Address: _____

Work Category: (only one category per letter of interest (LOI) may be submitted i.e. if your firm is interested in Roadway and Surveying you will need to submit 2 LOI's, one for Roadway and one for Surveying.

<u>On-Call Categories</u>	<u>On-Call Categories (Cont.)</u>	<u>MoDOT District Choices</u> <small>Please indicate all districts you can serve</small>
<input type="checkbox"/> Bridge Deck Surveys	<input type="checkbox"/> Construction Materials Testing & Inspection	<input type="checkbox"/> NW
<input type="checkbox"/> Bridge Design	<input type="checkbox"/> Roadway Design	<input type="checkbox"/> NE
<input type="checkbox"/> Environmental – Cultural Resources	<input type="checkbox"/> Surveying	<input type="checkbox"/> KC
<input type="checkbox"/> Environmental – Endangered Species	<input type="checkbox"/> Multimodal Planning	<input type="checkbox"/> CD
<input type="checkbox"/> Environmental – NEPA	<input type="checkbox"/> Transportation Planning	<input type="checkbox"/> SL
<input type="checkbox"/> Environmental – Noise Studies		<input type="checkbox"/> SW
<input type="checkbox"/> General Services – Architectural/Interior Design		<input type="checkbox"/> SE
<input type="checkbox"/> General Services – Civil/Structural		
<input type="checkbox"/> General Services – Mechanical/Electrical		
<input type="checkbox"/> Geotechnical Engineering Services		
<input type="checkbox"/> LiDAR & Photogrammetry		
<input type="checkbox"/> Pavement Friction Testing		
<input type="checkbox"/> Value Engineering		
<u>On-Call Categories (Cont.)</u>		
<input type="checkbox"/> Right of Way Acquisition & Relocation Services		
<input type="checkbox"/> Subsurface Utility Engineering		
<input type="checkbox"/> Traffic Engineering		
<input type="checkbox"/> Traffic – Electrical Engineering		
<input type="checkbox"/> Traffic – ITS Management & Design		
<input type="checkbox"/> Traffic – Safety Data Analysis		
<input type="checkbox"/> Traffic – Structures		
<input type="checkbox"/> Utility Accommodation & Coordination		



Our mission is to provide a world-class transportation system that is safe, innovative, reliable and dedicated to a prosperous Missouri.

www.modot.org