



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)

January 8, 2024

Dear Consultant:

The Missouri Highways and Transportation Commission is requesting the services of geotechnical drilling firms to perform the described professional services on the attached. This solicitation is for a pilot program method of contracting requesting consultants to base their submittals on a 1-year work period with a maximum of 2000 work hours (does not include non-workday weekends, holidays, inclement weather days, etc.). There will be potential for up to two 1-year contract extensions at the sole discretion of MoDOT.

Assume 10-hour days when working with MoDOT engineer/geologist. MoDOT will pay 10 hours per day at a minimum of the standby rate when crew is mobilized for MoDOT work if work is impacted by weather, utility, or other unforeseen delays. Typical projects take 4-6 days to complete. All workdays will be Monday – Thursday unless a non-typical work schedule is approved by MoDOT. If night work is required, work will likely be Sunday night – Wednesday night. All night work will be planned in advance. Consultants shall provide a breakdown of hourly cost for use of the rig & drill crew. Costs should include fuel surcharges, support vehicles, etc. Provide a standby time cost to be used when waiting for utilities, traffic control set-up, weather delays, travel to/from sites, or other reasons drilling cannot be performed. Provide an overtime hourly rate differential for hours worked beyond the established 40-hour work week. Direct costs may include mobilization (roundtrip), Travel / Per Diem, Shelby Tubes, Core Boxes, Grout/Bentonite to backfill holes (when necessary), Difficult drilling cost when drilling in granite and/or rhyolite formations, Inclinometer/Piezometer pipes & other monitoring installation costs. Any other direct costs must be approved prior to claiming. Hourly rate information will be used for analysis & comparison of respondents, & contract negotiation / establishment of a contract maximum cost only. Invoices will be paid on actual costs as work assignments are completed.

Unlike previous solicitations, consultants will be expected to base their submittal on a general scope of services provided in the solicitation and will be assigned projects based on MoDOT's Geotechnical needs during the contract period. Each consultant will be evaluated by a best value selection method and two consultants will be selected. A virtual Pre-Solicitation meeting was held Wednesday, November 29 from 10:00am to 10:30am. A recording of this meeting is available as part of this solicitation. **Video Correction:** Prevailing Wage **IS NOT** required for this work.

If your firm would like to be considered for these services, you may express your interest by responding to the Central Office Construction & Materials Division contact, which is indicated in Attachment A.

Limit your proposal to no more than five pages and include information which might help us in the selection process. The proposal should include a statement to indicate your firm's understanding of the work, information regarding past performance for MoDOT work or work provided to similar clients, key personnel you would assign to the project and the certifications / backgrounds of those individuals, general experience / examples of past projects, familiarity / capability of work, accessibility of your firm & staff, any sub-consultants you would propose to use, a breakdown of your cost rate proposal following the cost breakdown in Exhibit D, 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.

DBE firms must be certified by the Missouri Department of Transportation in order to be counted as participation towards an established DBE Goal. The DBE goal for this contract is 0%. 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, and breakdown of daily cost proposal. **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 applicable 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, January 22, 2024, at the Division office to the Divisions representative.

Sincerely,

Kenny Voss

Kenny Voss, PE

State Design Engineer

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

EXHIBIT A

MoDOT CENTRAL OFFICE

Construction & Materials Division
Brandi Baldwin –
State Construction & Materials
Engineer
Missouri Department of Transportation
105 West Capitol Ave.
Jefferson City, MO 65102

Division Contact
Lydia Brownell – Geotechnical Director
573-508-8032
lydia.brownell@modot.mo.gov

Email responses are
encouraged

A virtual Pre-Solicitation meeting was held Wednesday, November 29, 2023 from 10am to 10:30am. A video recording of this meeting is available & is linked with this solicitation.

Correction to Pre-Solicitation Meeting Question – Prevailing wage is NOT required for this work.

EXHIBIT B

Statewide, Various Routes by Assignment	
Job No:	Various
Location:	Various
Proposed Scope:	See Exhibit C
Length:	Various
Approximate Construction Cost:	Various
DBE Goal (if applicable)	0%
Consultant Services Required:	Geotechnical Drilling
Other Comments:	Interviews or presentation will not be required for the consultant selection. Consultant may or may not be contacted for clarification of submittal items Tentative Date of Consultant Selection- January 31, 2024.

Rating Criteria w/Weighted Values

Project Understanding & Innovation	5 Points Max
This could include an expressed understanding of the range of project work that may be conducted.	
Past Performance (not MoDOT specific)	20 Points Max
This could include examples of timeliness, client feedback???, success in adverse topographic and subsurface conditions, etc.	
Qualifications of Personnel Assigned	10 Points Max
This could include: well drilling registrations/permits for operators, technical training, driller experience, etc)	
General Experience of Firm	20 Points Max
This could include: Variability of drilling projects; safety qualifications (EMR Rating if available)	
Familiarity/Capability	15 Points Max
This could include ability of rigs to drill in unusual locations (ie barge work. uneven terrain, etc)	
Accessibility of Firm & Staff	10 Points Max
Hourly Rate Proposal	<u>20 Points Max</u>
	100 Points Max Total

EXHIBIT C

Scope of Services

MoDOT is looking to subcontract some of our drilling and sampling services. MoDOT will utilize a drilling crew of 2-3 members to provide drilling services. MoDOT will utilize a consultant's crew members and drill rig with an automatic hammer (which must be calibrated a minimum of every 2 years as per our standard) and/or auger truck. All drill rigs should be capable of drilling off-road, have hollow stem augers, perform mud rotary drilling, perform rock coring (typically NQ size), pavement cores and be able to drill up to depths of at least 125 feet. All auger trucks should be capable of drilling on and off road, have solid flight augers and perform pavement coring and drill up to depths of 125 feet. If a natural water source is not available near the project site, MoDOT can provide water from a maintenance facility; all water handling, including storage and transport, will be the consultant's responsibility. The consultant should be able to provide an operator with a well registration permit satisfactory to install inclinometers or piezometers on select projects. The consultant will complete all One Call utility locates for a project site. The consultant will be expected to follow all MoDOT safety standards in regard to PPE. MoDOT will provide all traffic control needs utilizing our MoDOT maintenance forces. All boring locations will be provided and surveyed by MoDOT resources. All property access will be provided by MoDOT.

The consultant would provide all labor, materials, equipment, and sampling supplies needed to complete a geotechnical investigation. Sampling supplies may include but are not limited to, SPT sampler, Shelby tubes and caps, waxed or plastic rock core boxes, inclinometer or piezometer pipe, etc. MoDOT would provide an engineer or geologist for each project to provide drilling plans, provide any necessary changes that may be needed during drilling at a project site (ie additional borings or increased rock core depth), log borings and complete soil sampling (ie bagging of SPT samples and capping of Shelby tube samples, etc). All engineering and laboratory services will be completed by MoDOT.

The consultant will open all splitspoons during drilling, but evaluation and sampling will be performed by the on-site MoDOT engineer or geologist. Backfilling of borings shall be completed with either auger cuttings or bentonite as necessary by the consultant. All cold patch/asphalt can be provided by nearby MoDOT maintenance facility. MoDOT would transport all samples to the MoDOT lab, complete all testing, and provide all engineering recommendations for each project. MoDOT may ask consultant to store samples for up to one week to allow other MoDOT personnel time to arrange pick up.

MoDOT engineers and geologists will work Monday thru Thursday and typically 10-hour days, not to exceed 40 hours within a work week. Any hours over 40 within the week will be planned prior to work being scheduled. Most work is completed during daytime hours. Any night work will be planned accordingly and is typically based on traffic counts and focused on Interstate routes. State/Federal holidays will be observed but may be exchanged for another day during the same week. Any exchanged holidays will be planned prior to scheduling. In the event of snow across the state, some of our maintenance forces, engineers and geologists may be required to help with a snow event. Work may need to be canceled for these events with little advance notice.

It is projected that MoDOT would need the assistance of a minimum of one drill crew per week for projects currently scheduled through April of 2024, but it is likely they will be needed for the duration of 2024. At the beginning of this contract, it may be necessary to utilize two crews for the first couple of months. It is also possible after establishment of this contract it could be extended for up to 2 years.

EXHIBIT D

Drilling Services Unit Pricing	
Hourly Rates	
Drilling Services Hourly Rate	\$ /Hour
Standby Hourly Rate	\$ /Hour
Overtime Hourly Rate	\$ /Hour
Direct Costs	
Mobilization (round trip)	\$
Shelby Tubes	\$ /Each
Core Box	\$ /Each
Grout/Bentonite	\$ /Bag
Inclinometer	\$ /LF
Piezometer	\$ /LF
Difficult Coring (When in Granite or Rhyolite Formations)	\$ /LF
Other (List as Applicable for consideration)	

- Invoices will be paid on actual direct costs at the time service is provided. Direct costs listed in table are for comparison basis only.