MoDOT

Missouri Department of Transportation
Patrick K. McKenna, Director

1.888.ASK MODOT (275.6636)

June 11, 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 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 up to two additional pages with detailed information on similar projects that your key personnel have worked on (for a total submittal of no more than five total pages). Indicate the role your key personnel played in the projects and include at least two ATMS software references along with their 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, July 8, 2021 at the appropriate office.

Sincerely,

2021.06.17
13:45:29-05'00'

Travis Koestner, P.E.
State Design Engineer

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

www.modot.org

Attachment

DISTRICT OFFICES

KC District
Chris Redline, P.E. – District Engineer
Missouri Department of Transportation
600 NE Colbern Road
Lee's Summit, MO 64086

Contact
K. Mark Sommerhauser
KC Scout ITS Project Manager
#816-607-2243
karsten.sommerhauser@modot.mo.gov
Email responses are encouraged

KC District

Various Routes, Various Counties	
Job Nos:	J4Q3237, J4Q3479, and J4Q3525
Location:	At the KC Scout Traffic Management Center
Proposed Improvement:	N/A
Contract Length:	3 year contract with two, one year supplemental renewals possible
Approximate Construction Cost:	N/A
DBE Goal (if applicable)	0%
Consultant Services Required:	Provide a Freeway Advanced Traffic Management System (ATMS) Software for the bi-state Scout Traffic Management Center for a period of three years.
Other Comments:	Interviews and software demos will be conducted with the short listed firms. The Consultant Short List will be posted to the web around July 13, 2021. Tentative Date of Consultant Selection – August 4, 2021 Important capabilities of the freeway ATMS software include the following: - Quick workflow for the input of freeway incidents including the ability to post DMS board messages and distribute incident notifications with a minimum number of clicks or inputs. - Ability to utilize map shape files to pre-filter input fields and also auto generate message formats based on where the incident has been placed along with the number of lanes closed. - Ability to configure response plans based on the severity of the incident. - A comprehensive CCTV camera video distribution system that includes the ability to both distribute internal network video and external streaming video to the public through the Scout website. Scout's current

	video wall consists of 22 individual smart televisions operated by the ATMS software.
	• Ability to maintain the bi-state Scout regional website.
	• Ability to integrate third party notifications and/or data in an organized manner so operators have better situational awareness without being inundated with unnecessary data or duplicate information. Third party data inputs could include Waze, CAD/911 feeds, AVL systems, TrafficVision, and possibly other data feeds.
	• Web based control options that could include either the full ATMS software or possibly just a streamlined remote version that is web based.
	• Extensive ability of utilizing probe data for both travel times and queue warnings.
	• Adaptive ramp metering module that communicates with 2070 field controllers.
	Desired capabilities of the freeway ATMS software include the
	• Summary reports of incident and event logs that include details of response plans that were utilized to manage the incident/event.
	• A work order management system that allows TMC operators to see that failed field devices are being worked on. Operators should be able to create new work order notifications directly from the ATMS software.
	• A planned event scheduler that is calendar based so the majority of information can be easily entered ahead of time and then just confirmed once the actual closure work begins.
	• Ability to manage and query detector data that is gathered by both radar detectors and loops.
	• Extensive experience disseminating real time ATMS software incident information

| | through email, text, Twitter, and other common public information formats.

Within the response letter, the consultant should thoroughly explain their plan to provide 24/7, 365 days a year remote support for the critical ATMS software utilized at the Scout Traffic Management Center.

The consultant response letter should also identify the IT staff experience that their team has in order to support Scout TMC tasks directly related to the ATMS software such as SQL server installs and other virtual server elements. |
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Rating Criteria w/Weighted Values

Project Understanding & Innovation	25 Points Max
Past Performance	25 Points Max
Qualifications of Personnel Assigned	20 Points Max
General Experience of Firm	10 Points Max
Familiarity/Capability	10 Points Max
Accessibility of Firm & Staff	10 Points Max
	100 Points Max Total