

Missouri Department of Transportation  
Roberta Broeker, Interim Director

573.751.2551  
Fax: 573.751.6555  
1.888.ASK MODOT (275.6636)

October 30, 2015

## RE: REQUEST FOR INFORMATION AND PRODUCT DEMONSTRATION

Dear Valued Vendor:

On behalf of the Missouri Department of Transportation (MoDOT), the State of Missouri Office of Administration (State), Division of Purchasing may be bidding a Maintenance Management System (MMS). The state's goal is to develop a streamlined Request for Proposal (RFP) that will maximize competition among Offerors resulting in manageable, cost and quality-effective contracts and IT solutions for MoDOT.

As an initial step in preparing the requirements for the solicitation document, the State requests your participation in this effort in two important ways:

- (1) **OPPORTUNITY FOR VENDOR TO PROVIDE PRODUCT DEMONSTRATIONS:** We request vendor provided demonstrations based on the set of information provided Attachment 1. Each vendor's demonstration shall last no more than three (3) hours. The vendors will be given fifteen minutes before the scheduled start time to set up the demonstration. The demonstration times will be scheduled on one of the following dates:
  - December 1, 2015 between 8:00 a.m. and 4:00 p.m. Central Time
  - December 2, 2015 between 8:00 a.m. and 4:00 p.m. Central Time
  - December 3, 2015 between 8:00 a.m. and 4:00 p.m. Central Time

Product Demonstrations will be held at a **MoDOT facility in Jefferson City, MO**. Presentations can be done in person or thru a WebEx demonstration. In addition to the state receiving valuable vendor ideas and suggestions, the Product Demonstrations will provide the vendor community an opportunity to ask questions and provide input pertaining to the drafting of the RFP. Please bring this Request for Information (RFI) document to the Product Demonstrations as this document will serve as the agenda. At a minimum, the vendor's product demonstration should address the topics identified in **Attachment 1**. Please review the RFI document prior to the Product Demonstrations and come prepared to discuss the RFI document and to share your ideas. Your participation and comments are appreciated and welcomed.

**NOTE: Attendance is not required in order to submit an RFI response or to participate in the subsequent RFP process; however, vendors are encouraged to provide a demonstration during the Opportunity for Vendor Product Demonstrations.**

- (2) **REQUEST FOR INFORMATION RESPONSE:** You are invited to submit a response to the attached RFI document. Written comments and suggestions in response to the RFI document are welcome prior to and/or following the Product Demonstrations. At a minimum, the vendor's RFI response should address the topics identified in **Attachment 1**. RFI responses may be sent to me as follows:
  - By **mail**: ATTN: Kim Tipton, Missouri Department of Transportation, Information Systems Division, 601 West Main Street (physical address zip code 65101), P.O. Box 270 (mailing address zip code 65102), Jefferson City, MO
  - By **email**: [kimberly.tipton@modot.mo.gov](mailto:kimberly.tipton@modot.mo.gov).



**Final RFI responses are requested no later than December 11, 2015.**

**NOTE: Submission of an RFI response is not required in order to participate in the subsequent RFP process.**

Following the Product Demonstrations and the state's review of the written RFI responses, the Division of Purchasing may competitively bid the MMS by issuing a formal Request for Proposal (RFP) document.

**BACKGROUND:**

The Missouri Department of Transportation is seeking an IT solution to help its maintenance forces plan, capture, prioritize, and report work for 36,000 miles of roadway. MoDOT is looking for a system that is easy to use for our staff, has ability to integrate with existing Oracle data, and with potential touch screen capabilities. This system may be utilized by approximate 3,000 maintenance employees for activities such as mowing, winter operations, pavement repair, bridge flushing, and striping, to name a few.

A MMS can help us become aware of the impact of the decisions we make to fund or not fund certain components of our system. It documents the work we complete, the impact of that work has on the condition of our system and the resulting satisfaction of our customers. Maintenance and Traffic and Highway Safety are responsible for keeping the transportation infrastructure in optimum condition after it is built with the resources allocated and to provide outstanding customer service. A robust MMS can assist managers in considering investment needs and tradeoffs in various components of our transportation system.

An efficient MMS should not be a stand-alone system. It should integrate with the MoDOT Transportation Management System (TMS), Financial Management System (FMS), Bridge Management System, Pavement Management System, SiteManager, Asset Management and Fleet and Facilities management systems. This effort will require involvement from partners throughout MoDOT, including Maintenance, Traffic and Highway Safety, Information Systems, Transportation Planning, Financial Services, Bridge, Construction and Materials, Design and General Services. The goal is to integrate systems while promoting agency-wide efficiency in data collection, data storage and reporting.

**SUMMARY:**

On behalf of MoDOT, thank you for your interest in these important services. If you should have any questions prior to the product demonstrations or prior to submitting your response, please call me at (573) 522-9530 or e-mail me at [kimberly.tipton@modot.mo.gov](mailto:kimberly.tipton@modot.mo.gov). MoDOT looks forward to your participation and input into this important information gathering process and sincerely appreciates your efforts in helping us determine options for a MMS. Should special accommodations need to be arranged for any disabled persons planning to attend the Product Demonstrations, please contact me immediately so appropriate arrangements can be made.

Sincerely,

Kim Tipton, Information Systems Specialist  
Missouri Department of Transportation  
Information Systems Division

# Attachment 1

## Missouri Department of Transportation Requirements for Maintenance Management System

The system should be compatible and able to interface with Missouri Department of Transportation's (MoDOT's) current software applications including FMS (Financial Management System), COGNOS (MoDOT Reporting Software), FASTER (MoDOT Fleet System – uses Oracle tables), TMS (Transportation Management System – uses Oracle tables and houses MoDOT's Linear Referencing System (LRS) that must be utilized), SMS (Sign Management System – uses Oracle) and MoDOT's Time Reporting System (TRS) – uses Oracle. It is highly desirable that package options include, but not limited to, the following:

### **Maintenance Management System Needs**

- Touch Screen Capability
- Web-based
- Mobile Application
- Training for users, administrators and technical staff
- Capture all maintenance activities, including but not limited to: winter operations, mowing, pavement repair, bridge flushing, etc
- Store documents/attachments and e-mail attachments
- Ability for all users to create reports
- Mapping capabilities, in relation to progress and forecasting
- Encompass the lifecycle of maintenance activities for a DOT, including planning through execution, as well as review and forecasting.
- Link desired outcomes to resource and budget needs
- Assess the consequences of shifting funds between competing program objectives (What if Scenario)
- Maintenance quality rating systems which define asset conditions, maintenance levels of service and program outcomes in customer-oriented terms.
- Allows managers to conduct trade-off analysis to determine maximum benefits attainable with available funding.
- Using customer input data, links customer expectations with desired outcomes and results
- A robust system that can be expanded with additional inputs (Automatic Vehicle Location (AVL), Global Positioning System (GPS), bar codes, etc.)
- Various levels of access.
- Connectivity via caching.
- Ability to sustain and maintain most recent versions of supporting and related software products.

### **Computer and Software System Requirements**

Must be compatible or integrate with :

- Microsoft Suite Products 2010 (Excel, Word, PowerPoint, Publisher, Outlook, harmon.ie)
- Microsoft Windows 7 operating system or greater; 32-bit and 64-bit virtual or physical workstations

- Windows Server 2008 R2 or 2012 or Red Hat Enterprise Linux Server, release 6.5 or greater.
- Internet Explorer version 11
- Microsoft SharePoint
- Cognos Reporting version 10.2
- Oracle or SQL database
- Must utilize the TMS LRS.

### **Demonstration, Presentation and/or RFI response**

Vendors should address in their response or demonstrate the system capabilities in relation to all MMS needs listed above, computer and software system requirements and the following:

- Log-in/Access
- Mapping
- Lifecycle Management of Maintenance Activities
- Forecasting
- Sample reports
- Support/customer service provided
- Recommended training for users
- Demo of ability to utilize a 3<sup>rd</sup> party LRS – MoDOT's LRS must be used within any system that we implement
- All optional integrated modules of product