

**Missouri Department of Transportation**  
*Dave Nichols, Director*

573.751.2551  
Fax: 573.751.6555  
1.888.ASK MODOT (275.6636)

September 22<sup>nd</sup>, 2014

Dear Research Partner:

The Missouri Highways and Transportation Commission requests proposals from qualified organizations—namely private consultants, universities, and research organizations—to furnish professional services as described in the following request for proposal to be coordinated by the Research Unit of the Construction and Materials Division.

Please submit a proposal for project TR201514 entitled, “No Passing Zone Guidance.” Your submittal must include a work plan, the proposed project team and its background, and any related projects now active or recently completed by your organization. The project team must be led by a licensed professional engineer in the state of Missouri and the final report must be sealed, in accordance with the provisions of Chapter 327 RSMo.

The selection committee will use Qualification Based Selection. A “not to exceed” budget amount is included in the RFP to assist with the required scope, but budgets are not to be included with the proposal submissions, and will not be presented to the selection committee.

Please deliver all proposals to my attention in the Research Unit of the Construction and Materials division indicated in the attachment by October 24, 2014. Questions regarding the RFP may be sent to Jen Harper at [Jennifer.Harper@modot.mo.gov](mailto:Jennifer.Harper@modot.mo.gov) or 573-526-3636. More information about project contracting in general can be found at: [www.modot.mo.gov/services/OR/orRFP.htm](http://www.modot.mo.gov/services/OR/orRFP.htm).

Sincerely,



Bill Stone  
Research Administrator



Request For Proposals (RFP)  
**Project Specific Requirements:**

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This document contains information and requirements for only this RFP. A “Standard Requirements” document contains additional needs for all research proposals and contracting. Submitters should review both this document and the Standard Requirements document, available from the Construction and Materials Research Administrator (identified at the end of this document) or:

[www.modot.org/services/OR/orTemplates.htm](http://www.modot.org/services/OR/orTemplates.htm)

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# TR201514

## No Passing Zone Guidance

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### Background:

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For two and three lane roadways with centerline striping, no passing zones are marked at locations where sight distance is less than what is required to safely pass a slower moving vehicle. Various ways have been used by departments of transportation for determining no passing zone locations. MoDOT provides guidance in EPG section 620.2.2 “No-Passing Zone Pavement Markings and Warrants.” MoDOT has historically used a 2-car data collection system to identify and record no passing zones; however, the system which has been used is obsolete and no longer supported by the manufacturer. Due to the lack of available systems on the market today, MoDOT is interested in having a system developed using current technology to give the department the capability of determining the proper locations of no passing zones and retaining a data base using GPS records for long term retention.

### Objectives:

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The objective of this project is to determine an efficient method of determining No Passing Zones for MoDOT two and three lane roadways. Criteria within [EPG Section 620.2.2](#) must still be met including Table 620.2.2.1: Minimum Passing Sight Distances for No-Passing Zone Markings.

Additional requirements are below:

- Technologies or equipment required for determining No Passing Zones must be portable so that they can be used with different vehicles, (i.e. cannot be permanently mounted on a vehicle.) Data needs to be able to be collected at or near highway speeds and with a car or light duty truck.
- Location of no passing zones must be recorded using GPS coordinates in order to be compatible with MoDOT's current Transportation Management System.
- Technologies or equipment must be \$10,000 or less and will become property of The Highway Commission at the conclusion of the study.
- The method for using the technology or equipment must be accomplished without extensive training.
- MoDOT will not consider the "walking method" or any other method that could put MoDOT personal at risk.

#### **Project Requirements and Deliverables:**

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The deliverables of this project should include (but are not limited to):

- A written methodology for performing No Passing Zone studies including training requirements. It is anticipated there will be a field trial task within the project to test the most promising method(s).
- A document or report detailing the determination of the recommended methodology and other methods researched.
- An Interim presentation shall be scheduled near the mid-point of the project to update the technical advisory panel on the progress and the direction of the project.
- A final presentation shall be scheduled to present the research findings to both the Technical Advisory Panel and other staff within MoDOT.
- **Quarterly Reports:** Quarterly reports should be submitted throughout the project on the last day of March, June, September and December. The quarterly reports are not intended to replace any additional correspondence between the research team and MoDOT needed to keep the project moving.

#### **Project Schedule:**

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The following is an estimate of the project timeline or information on key dates within the project, presuming the project starts on or before January 1, 2015. Proposals need to include

a work plan with a proposed timeline. While alternative timelines will be considered, an extension is unlikely. The project timeline will be finalized during the contracting phase.

**January, 2015:** A kick off meeting with MoDOT will be scheduled to discuss project requirements and deliverables.

**March 31, 2015:** Quarterly report due.

**June 30, 2015:** Quarterly report due.

**July 2015:** Interim presentation

**September 30, 2015:** Quarterly report due.

**December 31, 2015:** Quarterly report due.

**January 2016:** Final presentation due.

**January 15, 2016:** Draft final report and methodology due. Drafts should be in the final form, no changes should be made between the draft and final deliverables except clarification and corrections based on feedback from MoDOT.

**February 15, 2016:** Final report and methodology due.

**March 31, 2016:** Final invoice is due.

(For report templates and a standard form see:  
[www.modot.org/services/OR/orTemplates.htm](http://www.modot.org/services/OR/orTemplates.htm).)

#### **Special Notes:**

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Project budget is not to exceed \$60,000. A budget is not to be included in the proposal, but will be required for the contract and must be within this limit.

Reporting templates and standard report forms are available from the Construction and Materials Research Administrator or the web site:  
[www.modot.org/services/OR/orTemplates.htm](http://www.modot.org/services/OR/orTemplates.htm)

#### **RFP Requirements:**

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- Proposals must be no more than 10 pages with a font size no less than 11 points. This length limit does not include forms or resumes attached to the proposal.

- The “Standard Requirements” document provides further details and links to the required forms. It is available from the Construction and Materials Research Administrator or at: [www.modot.org/services/OR/orTemplates.htm](http://www.modot.org/services/OR/orTemplates.htm)
- Proposals will be evaluated by an agency and stakeholder team with knowledge and backgrounds in relevant areas for this project. Selection of the successful proposer will be based on the proposer’s demonstrated knowledge in the required areas, the merit of the proposed methods and approach in achieving the desired goals, the experience and qualifications of the team, the plan for ensuring implementation of results, and the adequacy and availability of team members to complete the work in a timely manner.

### **RFP Schedule:**

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The following timeline must be met for a proposal to be accepted.

<b>Date:</b>	<b>Action:</b>
Sept 22, 2014	MoDOT posts RFP to the website: <a href="http://www.modot.mo.gov/services/OR/orRFP.htm">www.modot.mo.gov/services/OR/orRFP.htm</a>
Oct 1, 2014	Written comments or questions must be submitted to Jen Harper at <a href="mailto:Jennifer.Harper@modot.mo.gov">Jennifer.Harper@modot.mo.gov</a> or 573-526-3636.
Oct 8, 2014	MoDOT will post written responses publicly on the website: <a href="http://www.modot.mo.gov/services/OR/orRFP.htm">www.modot.mo.gov/services/OR/orRFP.htm</a>
Oct 24, 2014	Written proposals must be submitted to Construction and Materials Research Administrator.
Nov 13, 2014	MoDOT will notify submitters about project selection, or if needed about interviews to finalize selection.

### **Contracting Requirements:**

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- The successful team will be required to complete additional documentation and enter into a contract such as a “Standard Research Agreement” or “Task Order.” Applicants should be aware of these additional needs so contracting can proceed in a timely manner.
- Standard contracts, forms, attachment templates and additional information are available from the Construction and Materials Research Administrator or the web site: [www.modot.org/services/OR/orTemplates.htm](http://www.modot.org/services/OR/orTemplates.htm)

### Contact Information:

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Proposals must be either hand delivered by close of business; or faxed, emailed, or mailed by midnight (Central Standard Time) according to time stamp or postmark; on the due date indicated above. Please reference the project title since more than one RFP may be due at one time. Electronic proposals are encouraged. They may be faxed or emailed to the Research Administrator:

[William.Stone@modot.mo.gov](mailto:William.Stone@modot.mo.gov)

Fax: 573-526-0558

Proposal packages suitable for duplicating may be submitted by mail or hand delivery to:

Construction and Materials Research Administrator

Missouri Department of Transportation

1617 Missouri Blvd

PO Box 270

Jefferson City, MO 65109