

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): IOWA DOT

INSTRUCTIONS:

Project Managers and/or research project investigators should complete a quarterly progress report for each calendar quarter during which the projects are active. Please provide a project schedule status of the research activities tied to each task that is defined in the proposal; a percentage completion of each task; a concise discussion (2 or 3 sentences) of the current status, including accomplishments and problems encountered, if any. List all tasks, even if no work was done during this period.

Transportation Pooled Fund Program Project # TPF-5(081)	Transportation Pooled Fund Program - Report Period: Quarter 1 (January 1 – March 31, 2012) Quarter 2 (April 1 – June 30, 2012) <input checked="" type="checkbox"/> Quarter 3 (July 1 – September 30, 2012) <input type="checkbox"/> Quarter 4 (October 4 – December 31, 2012)	
Project Title: Midwest Smart Work Zone Deployment Initiative		
Project Manager: Dan Sprengeler	Phone: 515-239-1823	E-mail: dan.sprengeler@dot.iowa.gov
Project Investigator: Tom McDonald	Phone: 515-294-6384	E-mail: tmcdonal@iastate.edu
Lead Agency Project ID: RT 63	Other Project ID (i.e., contract #): Addendum 189	Project Start Date: 2001-On-going Pooled Fund
Original Project End Date: On-going	Current Project End Date: On-going	Number of Extensions: None

Project schedule status:

On schedule
 On revised schedule
 Ahead of schedule
 Behind schedule

Overall Project Statistics:

Total Project Budget	Total Cost to Date for Project	Total Percentage of Work Completed
\$1,859,616.41	\$1,615,646.51	On-going

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
N/A	N/A	On-going

Project Description:

- Vendor Solicitation
- Distribute Group Reports
- Maintain website
- TAC meetings
- Maintain research report
- Recommend research reimbursement
- Solicit state participation
- Inquiry contact
- (On-going project)

Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):

Work has been completed on all program projects prior to 2008 and continues on subsequent program year projects as listed below. Projects for the 2012 program have been approved by the Board of Directors and contracts sent to the Principal Investigators.

Received and recorded quarterly report data from Principal Investigators for contracted projects. Following is a summary of accomplishment for individual projects under contract.

2008 Program

-Evaluation of Variable Speed Limits for Work Zones, University of Missouri, Praveen Edara, PI

VASL data from I-270 in St. Louis, Missouri, has been analyzed for four days with work zones. Data from a control segment on I-70 with work zones present (but no VSL) was also analyzed. Data for both sites consisted of uncongested traffic conditions. The PIs are currently interpreting the differences in the treatment and control site findings (speed compliance, speed differential, etc). 65 % complete at this time.

-Ramp Metering for Work Zone Mobility & Safety, University of Missouri, Praveen Edara, PI

Researchers have analysis of safety and mobility measures for all selected sites and good progress continues and completions is expected soon.. A no-cost time extension to 05/31/2012 has been approved. 95 % complete at this time.

-Evaluation of Effectiveness of Temporary Pavement Markings, Iowa State University, Neal Hawkins, PI

Project report has been submitted and is under review by the Board of Directors. Pending receipt of comments, project is considered completed.

2011 Program

-Investigation of Incentive Contracting for Minimizing Work Zone Traffic Impacts, University of Missouri with Carlos Sun as PI. The project is close to completion. The draft final report is expected to be circulated by the end of October, 2012. Ten more projects have been added for a total of 20 I/D projects. The contractor and DOT surveys are currently being summarized. The legal analysis is complete. A no-cost extension to November 15th has been approved so completion is expected in 2012. Project is approximately 90% complete.

-Influencing Work Zone Traffic Flow Through Variable Messaging Technologies, Missouri University of Science and Technology with Ghulam Bham as PI. Dr. Bham has left the University and the work has been assumed by Dr. Ming Leu. Progress toward completion is expected to continue as planned, project is approximately 60% complete at this time.

-Integrated Risk Management Systems for Improving Internal Traffic Control, Work Zone Safety, and Mobility During Major Construction, Iowa State University with Jennifer Shane as PI. Analysis of crash narratives have been completed and work has begun on the final report with completion expected soon. Project is about 98% complete.

2012 Program

Approved contracts for all approved projects have been sent to the PIs and work has commenced. Reports on progress should be received following next quarter.

Anticipated work next quarter:

Work will continue on contracted projects and some research should be completed in 2012.

Significant Results:

Several projects were completed in 2012 and others should be completed before the end of the year.

Circumstance affecting project or budget (Describe any challenges encountered or anticipated that might affect the completion of the project within the time, scope, and fiscal constraints set forth in the agreement, along with recommended solutions to those problems).

No problems to report.