**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) Quarter 2 (April 1 – June 30) Quarter 3 (July 1 – September 30)□xQuarter 4 (October 4 – December 31) |
| **Project Title:** Midwest Smart Work Zone Deployment Initiative |
| **Project Manager: Phone: E-mail:**Dan Sprengeler 515-239-1823 dan.sprengeler@dot.iowa.gov |
| **Project Investigator: Phone: E-mail:**Tom McDonald 515-294-6384 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:

X 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** |
| $1,625,807 | $1,227,425.13 | 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 2007 and 2009 program projects and continues on 2006, 2008, 2010, and 2011 program year projects. Work is underway to select projects for the 2012 program.

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

2006 Program:

-Smart Work Zone Forecasting Service, Iowa State University, Zach Hans, PI

Project was previously delayed due to lack of study sites and a no-cost extension to June 2011 was been approved. Draft final report has been distributed to Board for review and comment. 99% complete at this time..

2008 Program

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

Praveen Edara, PI

Work on project continues but has been delayed due to lack of study sites. A no-cost time extension to 09/30/2012 has been approved and work is expected to be completed in 2012. 45 % complete at this time.

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

Praveen Edara, PI

Researchers have worked with MoDOT to identify study sites and good progress is being made. A no-cost time extension to 05/31/2012 has been approved. 60 % complete at this time.

-Evaluation of Effectiveness of Temporary Pavement Markings, Iowa State University,

Neal Hawkins, PI

Project has been delayed due to unavailability of study sites but a project was identified and field work initiated in the Spring of 2011. A no-cost extension has been processed to extend the completion to June 2012. 30% complete at this time.

2010 Program

-Development of a Traffic Diversion Estimation Model for Freeway

Construction Work Zones, University of Wisconsin-Milwaukee, Alan Horowitz and Yue Liu, are the PIs.

 Draft final report has been distributed to the Board of Directors for review and comment. Approximately 99% complete at this point.

2011 Program

Work is underway on three projects.

2012 Program

Proposals have been received in response to RFPs. Selection of projects is underway by the Board for award.

**Anticipated work next quarter:**

Additional research should be completed and work will continue on 2011 program projects. The 2012 program projects should also be selected.

**Significant Results:**

Several projects were completed this quarter and progress is being made of others.

**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.