

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Michigan Department of Transportation

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(231)	Transportation Pooled Fund Program - Report Period: <input type="checkbox"/> Quarter 1 (January 1 – March 31) <input type="checkbox"/> Quarter 2 (April 1 – June 30) <input type="checkbox"/> Quarter 3 (July 1 – September 30) <input checked="" type="checkbox"/> Quarter 4 (October 4 – December 31)	
Project Title: ITS Pooled Fund Program (ENTERPRISE)		
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Lead Agency Project ID:	Other Project ID (i.e., contract #): 2010-0316	Project Start Date: January 2010
Original Project End Date: December 2015	Current Project End Date:	Number of Extensions:

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
\$2,200,000 (5 year estimated budget, final Budget dependent on member contributions)	\$529,631	24%

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
\$105,372	\$105,372	5%

Project Description:

The ENTERPRISE Pooled Fund Program performs technical projects to serve the needs of the member agencies. Currently, 16 member agencies participate in the ENTERPRISE Pooled Fund. Each year, the members identify current needs of their organization that they feel are most suited to be addressed by pooled fund projects. After identifying candidate projects, the members discuss and ultimately vote to elect the projects to be included in the year's Work Plan. Technical projects are then performed to execute the projects and address member needs. Overall, three high level tasks are performed:

- **Management support** to the program, the lead state, and to members;
- **Administrative support** to organize and conduct in-person meetings and monthly webinars; and
- **Technical support** to execute the technical projects selected for each year's Work Plan.

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

Administrative/Management Task:

- Three conference calls were held during the 4th Quarter with the ENTERPRISE board members.

Technical Task:

- Project 4: The Next Era of Traveler Information
Project Goal: understand how real-time traveler information technology and use is changing and how the changes are impacted by current and emerging trends with dissemination mechanisms and data management practices.
 - Webinar 3 was held on 10/12/12. It facilitated a peer exchange on customer needs and wants for traveler information. Practices in the state of Virginia and a recent national survey conducted through NCHRP were featured.
 - Webinar 4 was held on 11/15/12 and highlighted performance management. Practices in the states of Washington and Pennsylvania were featured.
- Project 5: ICWS Coordination and Systems Engineering – Phase 2
Project Goal: An extension of Project 1, this project will further support the standardization of ICWS by coordinating among the various national standards and association groups, and by developing a concept of operations and system requirements for the four types of ICWS identified in the Design and Evaluation Guidance for Intersection Conflict Warning Systems.
 - A draft concept of operations was developed and reviewed with stakeholders by webinar on 9/11. An overview of the draft and comments was shared with the ENTERPRISE board on 9/19.
 - Draft system requirements were developed in October and reviewed with stakeholders during a webinar on November 27, 2012. An in person meeting is being scheduled for January 2013 to continue the requirements review.
- Project 6: Next Generation Traffic Data and Incident Detection from Video
Project Goal: To develop and test software systems to analyze video streams to collect traffic data, and to detect incidents. Test environments are expected to include rural area animal detection (to warn of animal crossings), and metropolitan area incident detection.
 - Project was authorized by ENTERPRISE on 10/10/12.
 - A project kick off meeting was held in Toronto on October 17 and 18, 2012.
- Project 7: ITS Warrants to a Permanent Home
Project Goal: To transition the ENTERPRISE warrants process to a selected agency/organization as a permanent home and identify a warrant review process.
 - Project was authorized by ENTERPRISE on 10/10/12.
 - The first task was to update the ITS warrants website. The website was updated and presented during the November 2012 monthly board meeting.
- Project 8: Use and Impacts of Camera Images and Other Displays of Traveler Information (Interpretable Traveler Information – Use and Impacts)

Project Goal: Understand the use and impacts of the 'interpretable information' (e.g. video or still camera images) displayed to travelers.

- Project was authorized by ENTERPRISE on 10/10/12.

Anticipated work next quarter:

Administrative/Management Support Task:

- Monthly webinars will be conducted in February and March.

Technical Task:

- Project 4: The Next Era of Traveler Information
 - Develop webinar summaries and post on the project website for each of the four webinars.
- Project 5: Intersection Conflict Warning System – Phase 2
 - The concept of operations and system requirements are targeted for completion in early 2013. The materials will be shared as appropriate with AASHTO SCOTE and NCUTCD during their annual meetings at TRB in January.
- Project 6: Next Generation Traffic Data and Incident Detection from Video
 - Phase 1 of the project will focus on systems engineering documents, defining the scope, identifying partners, and developing possible RFPs. It is anticipated that Phase 1 will be completed in the first quarter of 2013.
- Project 7: ITS Warrants to a Permanent Home
 - Document the steps to host, maintain and transfer the ITS warrants website
- Project 8: Use and Impacts of Camera Images and Other Displays of Traveler Information (Interpretable Traveler Information – Use and Impacts)
 - Create a survey that will include photos of different scenarios and ask participants their interpretation of the image
- Additional projects from the 2010-2012 Work Plan will begin to commence during the next quarter.

Significant Results:

The following projects were authorized:

- Project 6: Next Generation Traffic Data and Incident Detection from Video
- Project 7: ITS Warrants to a Permanent Home
- Project 8: Use and Impacts of Camera Images and Other Displays of Traveler Information (Interpretable Traveler Information – Use and Impacts)

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).

N/A