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: ■ Quarter 1 (January 1 – March 31) ☐ Quarter 2 (April 1 – June 30) ☐ Quarter 3 (July 1 – September 30) ☐ 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)	$604,371	27%

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
$74,740	$74,740	3%

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:

- Two conference calls were held during the 1st 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.
  - Project completed. The final report is available at:
    http://enterprise.prog.org/Projects/2010_Present/nexteraoftravelerinfo.html

- 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.
  - An in person meeting was held on 1/30-31/13 to complete the requirements review and discuss ICWS warrants.
  - An email update was sent to ICWS stakeholders on 2/22/13 with information on the Low Cost pooled fund evaluation work, Minnesota and Iowa's recent ICWS work, and additional ENTERPRISE progress.

- 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.
  - Other ENTERPRISE member agencies were contacted to discuss their involvement in participating in the project.

- 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.
  - A document to describe the steps to host, maintain and transfer the website was developed and reviewed during the February 2012 monthly call.
  - Preliminary criteria for an ICWS warrant was reviewed with stakeholders during an in person workshop on 1/30/13.

- 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.
  - A project team was identified in January 2013.

- An online survey that included photos of different scenarios to ask participants their interpretation of the image was drafted. The draft survey was presented during the first project team meeting on February 6, 2013.
- A draft matrix showing a high-level summary of verified vs. unverified reports on State DOT and Canadian Province traveler information websites, was created.

Anticipated work next quarter:

Administrative/Management Support Task:
- Monthly webinars will be conducted in May and June. An in person meeting will be held in April in Phoenix, Arizona.

Technical Task:

- Project 5: Intersection Conflict Warning System – Phase 2
  - Complete the concept of operations and system requirements documents.
- Project 6: Next Generation Traffic Data and Incident Detection from Video
  - Identify project partners.
- Project 7: ITS Warrants to a Permanent Home
  - Approve transition options for transferring the website.
- Project 8: Use and Impacts of Camera Images and Other Displays of Traveler Information (Interpretable Traveler Information – Use and Impacts)
  - Finalize the survey and link the survey from various ENTERPRISE member websites.
- Additional projects from the 2010-2012 Work Plan will begin to commence during the next quarter.

Significant Results:

Completed the following projects:
- Project 4: The Next Era of Traveler Information

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