

**TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT**

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

INSTRUCTIONS:

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 checked="" type="checkbox"/> Quarter 3 (July 1 – September 30) <input type="checkbox"/> Quarter 4 (October 1 – December 31)	
Project Title: ITS Pooled Fund Program (ENTERPRISE)		
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Project Investigator: Dean Deeter, Athey Creek Phone: 503.343.9602 E-mail: deeter@acconsultants.org		
Lead Agency Project ID:	Other Project ID (i.e., contract #): 2010-0316	Project Start Date: January 2010
Original Project End Date: September 2012	Current Project End Date: February 2016	Number of Extensions: 4

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)	\$1,987,370	90%

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
\$172,786	\$172,786	8%

Project Description:

The ENTERPRISE Pooled Fund Program performs technical projects to serve the needs of the member agencies. Currently, 10 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 and one in person meeting were held during the 3rd Quarter. The purpose of the meetings were to provide project updates and develop the next work plan.

Technical Task:

- Project 18: Countermeasures for Wrong Way Driving on Freeways (Wrong Way Vehicles and Freeways)
Project Goal: Create a matrix of wrong way systems being tested and developed by building off previous related projects and research. The matrix will include details of the wrong way system (e.g. location of wrong way system, type of system deployed, data being collected). The project will also track research results of each deployment. By tracking the deployments, this project will seek to understand which approaches have the greatest impacts, which are socially acceptable, and which have institutional issues.
 - Project completed. Final summary report posted on the ENTERPRISE website at: http://enterprise.prog.org/Projects/2013/wrong_way.html
- Project 20: Integrating ITS with Planning and Operations (ITS Operational Plans and Resources and Decision Tree for Planners)
Project Goal: This project will assess what guidance exists for including ITS in operational plans. Such guidance can be used to describe the placement of IT devices, who will operate, maintain and own them, and how the devices will be used in daily or other operational scenarios.
 - Project completed. Final summary report posted on the ENTERPRISE website at: http://enterprise.prog.org/Projects/2013/its_planning_operations.html
- Project 23: ITS at International Borders
Project Goal: This project will provide members with a summary of current and emerging practices for the use of ITS technologies at international borders.
 - Developed webinar agendas, identified and invited speakers, distributed invitations and facilitated the following two webinars.
 - July 26 Webinar - Data Collection and Uses at International Borders
 - September 26 Webinar - Agency Coordination Practices at International Borders
- Project 24: Portable Travel Time Displays and ICM with Parallel Routes – Phase 1
Project Goal: To support Phase 1 of this effort to develop a project plan and system engineering documents to be used in future phases of deployment
 - Finalized the Concept of Operations and Functional Requirements.
 - Reached out to members during the August meeting to discuss possible participation in Phase 2.
- Project 25: The Future of DMS Messaging
Project Goal: To support the ENTERPRISE Pooled Fund members to research and document Dynamic Message Signs (DMS) uses and appropriateness of DMS demands
 - Prepared summary document of research conducted, drafted survey questions and survey distribution list. Presented information gathered during the August meeting.

- Project 26: Integrate Active Work Zone Notifications into Traveler Information Dissemination Systems
Project Goal: To support a first phase of the project to develop 'model' systems engineering documents (Concept of Operations and System Requirements) that ENTERPRISE agencies could use when implementing solutions to integrate active work zone notifications into current Traveler Information dissemination systems
 - A project team webinar was held on August 10, to step through scenarios and collect input to generate system needs and operational concepts.
 - Held a project team workshop on August 23 in Minneapolis, prior to the in-person Board meeting. During the workshop, the project team provided input on the draft stakeholder needs and discussed scenarios related to use of archived data for planning and performance management of work zones. A presentation and demonstration of an aftermarket device to interpret arrow board statuses and convey the resulting information was provided by Street Smart Rental.
 - Began preparing the Model Concept of Operations document.

- Project 27: Policies, Laws and Agreements for the Use of Fiber Communications
Project Goal: To support preparing a summary of resources (policies, laws, agreements) on the use of fiber communications at transportation agencies and to highlight best practices for sharing fiber infrastructure.
 - A conference call was held in July with the project champion to review research gathered and draft interview questions.
 - Presented research conducted to date during the August Board meeting.
 - Presented draft survey questions and distribution list during the September Board meeting.

- Project 28: Demonstrate and Evaluate Communications to Support Rural ITS – Phase 2
Project Goal: Evaluate commercially available products for sending full motion video over cellular. Research practices for checking operability of rural field devices remotely.
 - Met with the project champion in July to discuss the draft evaluation plan.
 - Updated documentation of test deployments as needed. Finalized the draft evaluation plan and routed it to the Board for review and comment.
 - Began looking at readily available data and evaluating components as possible.

Anticipated work next quarter:

Administrative/Management Support Task:

- Monthly webinars will be held in October, November and December.
- Finalize 2017 Work Plan.

Technical Task:

- Continue to complete project tasks for the active work plan projects.

Significant Results:

Projects completed:

- Project 18: Countermeasures for Wrong Way Driving on Freeways
- Project 20: Integrating ITS with Planning and Operations

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