

**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: Quarter 1 (January 1 – March 31) x Quarter 2 (April 1 – June 30) Quarter 3 (July 1 – September 30) Quarter 4 (October 1 – December 31)	
Project Title: ITS Pooled Fund Program (ENTERPRISE)		
Project Manager: Lee Nederveld Phone: (517) 335-5317 E-mail: nederveldl@michigan.gov		
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: September 2015	Number of Extensions: 3

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)	\$1,501,174	68%

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
\$63,223	\$63,223	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 2nd Quarter with the ENTERPRISE board members and one in person meeting. The purpose of the meetings were to provide project updates and begin planning for the 2016 Work Plan.

Technical Task:

- **Project 15: ITS Warrants Review Support**
Project Goal: To continue to coordinate with the SCOTE ITS Warrants Review Task Force and other review committees for periodic review of the ITS Warrants. The project will also continue to maintain the ITS Warrants documentation, develop additional warrants for ITS devices and conduct outreach to promote use of the warrants.
 - April 9 2015 – ENTERPRISE members reviewed and agreed on the recommendations for enhancing the planning guidelines with the bigger effort comments provided by SCOTE that have not been incorporated yet. Members also reviewed a preliminary guidance worksheet for connected vehicle pre-deployment guidelines.
 - May 2015 – Developed sample Connected Vehicle Pre-Deployment Guidelines for two applications.
 - June 11, 2015 – The two sample Pre-Deployment Guidelines were presented during the June 11 Board Meeting. Members were encouraged to share the document with others within their organization and provide comment.
- **Project 17: ICWS Support and Outreach**
Project Goal: To provide support to ENTERPRISE members seeking to deploy ICWS, to support peer exchange webinars on ICWS topics, conduct ICWS outreach and support coordination with national standards groups, industry associations and other pooled fund programs that have been engaged through the ENTERPRISE ICWS work.
 - April 2015 – Introductory presentation made at Kansas Traffic Engineering Conference on 4/15. Conducted second webinar on 4/23. Reviewed outline with board and continued work on ICWS brochure. Confirmed MnDOT will present ICWS CMF update to SCOTE for ENTERPRISE and ELCSI. Plans for introductory presentation for Ontario have been postponed to Aug/Sep to allow MTO to complete PanAm.
 - May 2015 – Prepared MnDOT update to SCOTE on new ICWS CMF. Continued preparation and announced third webinar on 6/25.
 - June 2015 – MnDOT updated SCOTE on ICWS CMF for ENTERPRISE and ELCSI. Conducted third webinar (Liability, Reliability and Credibility – Challenges for ICWS) on 6/25.
- **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.

- April 2015 – A project update was presented at the ENTERPRISE Board meeting in Phoenix; details of several wrong way countermeasure deployments from around the country were shared. An interview was conducted with a representative from Florida DOT, to collect information about two additional deployments and a statewide standard.
- May 2015 – Collected information from Ohio DOT regarding their deployments that consist of static signing and pavement marking improvements. Created the draft Milestone 2 report, which compiles a summary of key information collected for all deployments to date in a matrix/table format.
- June 2015 - Presented the Milestone 2 report during the June ENTERPRISE Board webinar and collected comments for inclusion in the report.
- Project 19: Performance Measures and Reporting
Project Goal: Research and summarize the implications of performance-based management, current practices among agencies that have established performance efforts, and then document a series of case studies where technologies are used to collect and analyze performance.
 - April 2015 – Developed and reviewed scope options with board at annual meeting. Developed detailed scope of work for new focus on performance measures at international border crossings.
 - May – June 2015 – Confirmed detailed scope modifications with board during May meeting and submitted to Michigan DOT for approval to proceed.
- 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.
 - April 2015 – Conducted working meeting with project champions on 4/7 and reviewed research progress with board during annual meeting.
 - May 2015 – Continued research and began developing Tech Memo 1.
 - June 2015 – Concluded research and completed Tech Memo 1. Contacted FHWA regarding outreach plans for newly launched Planning for Operations Program web site.
- Project 21: Traffic Safety and Traveler Information Mobile Apps
Project Goal: To research and document a current snapshot of the safety and traveler information apps available and the potential benefits and services they provide to users. Based on the research found identify the role of DOT's with apps and app standards.
 - April 2015 – Continued to interview DOTs to document the motivation behind the development and operation of apps. Presented summaries of interviews conducted during the April board meeting and highlighted traffic safety apps available.
 - May – June 2015 – Finished DOT interviews. Created draft Milestone 2: Summary of DOT's Role with App Development and Standards document.
- Project 22: Communications to Support Rural ITS
Project Goal: To conduct a literature search of rural communications issues and solutions and complete a RFI.
 - April 2015 – Presented a project update at the Board meeting in Phoenix. The update shared information collected from a series of interviews with ENTERPRISE agencies regarding their current issues, challenges, and solutions for communications to ITS devices in rural locations. A survey was developed and sent to members to prioritize options for the Phase 2 project scope, which will conduct a demonstration of one or more technologies to enhance communications in rural areas.
 - May 2015 – Compiled results from the member survey that ranked Phase 2 scope options and shared initial results with the ENTERPRISE Board.
 - June 2015 – Updated results from survey to rank Phase 2 scope options, to reflect responses from Minnesota DOT and Iowa DOT. Created the draft Project Summary Report and routed it to the project champion for review and comment.

Anticipated work next quarter:

Administrative/Management Support Task:

ENTERPRISE Pooled Fund Program – Quarterly Report April - June 2015 (Quarter 2)

- Monthly webinars will be held in July and September.
- In person meeting will be held in August 2015 in Utah in conjunction with the National Rural ITS Conference.

Technical Task:

- Additional projects from the 2013-2015 Work Plans will begin to commence during the next quarter.
- Continue to complete project tasks for the active work plan projects.

Significant Results:

N/A

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