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)
	
	      Quarter 2 (April 1 – June 30)
	
	      Quarter 3 (July 1 – September 30)
	
	 ^X 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:

^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**
$2,200,000 (5 year estimated budget, final Budget dependent on member contributions)	$1,378,277	63%

Quarterly Project Statistics:

Total Project Expenses This Quarter	**Total Amount of Funds Expended This Quarter**	**Percentage of Work Completed This Quarter**
$42,895	$42,895	2%

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. The purpose of the calls were to provide project updates and approve Work Plan 2015.

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.
  o November 2014 - Changes from the SCOTE review committee were incorporated into the program website and final report.
  o December 2015 – An update on the project tasks was provided during the monthly board meeting. A conference call was held with FHWA on December 17 to discuss planning guidance for connected vehicles.

- Project 16: Investigating Distribution Mechanisms for ENTERPRISE Technical Products
  Project Goal: To investigate mechanisms (e.g. libraries and databases) for distribution of ENTERPRISE Final Reports, exploring requirements, procedures, and related costs that would be involved if the wider distribution mechanisms were selected and to facilitate discussions among ENTERPRISE Board members to discuss the dissemination mechanisms and debate the benefits vs. costs and ultimately to determine if any additional distribution should be pursued.
  o October 2014 – During the October monthly call, the group was reminded of the current distribution methods for final reports and the technical page that has been added to every final technical report since 2010. Transportation libraries and databases (e.g. TRB TRID, USDOT NTL) were shown to highlight the process for submitting reports. A survey was sent to the ENTERPRISE DOT libraries to inquire about the potential to submit ENTERPRISE final reports to their physical and/or digital collections and to include report announcement in their newsletters or other outreach mechanisms.
  o November 2014 – Contacts were made with ITS focused organizations such as ITS America, ITS Canada, and ITS State Chapters that have representation from ENTERPRISE members, to document processes for submitting announcements when technical reports are published, for inclusion in their communications mechanisms (e.g. newsletters.).
  o December 2014 – Overall project findings and recommendations were presented during the December monthly Board meeting call. The proposed action plan was revised per comments received during the meeting. The draft project summary report was distributed to Board members on December 16.

- 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.

- October 2014 – During the monthly call members were reminded of the primary tasks for the project (continue coordination with national key groups involved with ICWS, provide ICWS support for members, and develop an informational brochure). In addition to individualized member support, 2-4 large group webinars will be held over the next year on introductory and more advanced (e.g. failsafe, power sources, etc.) ICWS topics.
    - November 2014 - ENTERPRISE member agencies were contacted to determine the level of ICWS support they may want for this project.
    - December 2014 – An overall schedule of project activities was prepared and shared during the December board meeting.

- 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.
    - October 2014 – The first task, to compile published resources (e.g. reports, news articles, etc.) for wrong way driving countermeasures, is underway. The resources are organized by technology vs. non-technology countermeasures and include the agency for each deployment.
    - November 2014 – The summary of countermeasures, with associated resources, was routed to members for input. Transportation agencies were contacted to gather additional details about deployments, so that known impacts can be documented and the deployments can be tracked over time during this project.
    - December 2014 – Contacts with transportation agencies continued to gather details about wrong way countermeasures.

- 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.
    - Project authorized December 16, 2014.

- 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.
    - Project authorized December 17, 2014.

- Project 22: Communications to Support Rural ITS
  Project Goal: To conduct a literature search of rural communications issues and solutions and complete a RFI.
    - Project authorized December 17, 2014.

Anticipated work next quarter:

Administrative/Management Support Task:
- Monthly webinars will be held in January, February and March.
- Continue to plan for April 2015 in person meeting in Arizona.

Technical Task:
- Additional projects from the 2013-2014 Work Plan will begin to commence during the next quarter.
- Continue to complete project tasks for the active work plan projects.

Significant Results:

Projects authorized:

ENTERPRISE Pooled Fund Program – Quarterly Report October – December 2014 (Quarter 4)

- Project 19: Performance Measures and Reporting
- Project 21: Traffic Safety and Traveler Information Mobile Apps
- Project 22: Communications to Support Rural ITS

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