TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Virginia DOT

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 # *(i.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX)* TPF-(206)	**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 1 – December 31)	
Project Title: Program to Support the Development and Deployment of Cooperative Transportation Systems Applications		
Name of Project Manager(s): Catherine McGhee	**Phone Number:** 434-293-1973	**E-Mail** Cathy.McGhee@VDOT.Virginia.gov
Lead Agency Project ID: 94199/90712	**Other Project ID (i.e., contract #):** 133471-GS10961	**Project Start Date:** July 2009
Original Project End Date: June 2011	**Current Project End Date:** December 2013	**Number of Extensions:** 1

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	Percentage of Work Completed to Date
$1,490,000	$486,261	33%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
N/A	$32,740	N/A

Project Description:

The pooled fund study entitled "Program to Support the Development and Deployment of Cooperative Transportation Systems Applications" was created by a group of state and local transportation agencies and FHWA in order to provide a means to conduct the work necessary for infrastructure providers to play a leading role in advancing the Cooperative Transportation Systems.

Objective:

Through a set of pooled fund studies, the Virginia Department of Transportation (VDOT) is working with federal, state and local departments of transportation, to establish a multi-phase program to facilitate the field demonstration, and deployment of Connected Transportation Systems infrastructure applications. In Phase I, the participants are focused on modeling, development, engineering and planning activities that will aid transportation agencies in justifying and promoting the large scale deployment of Connected Transportation Systems. Phase 2 of the program will continue research and development to prepare agencies to deploy connected vehicle environments.

Scope of Work:

The pooled fund study will focus on the following:
• Development and evaluation of Connected Transportation Systems large-scale system level operations applications
• Independently research and address issues that will affect the deployment of Connected Vehicle systems by state and local transportation agencies
• Support AASHTO's Strategic and Deployment Plans
• Support USDOT's Connected Vehicles Programs and initiatives

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

1. PFS Overall

a. A webinar was held on September 28th 1:00-3:00PM EDT. The agenda for this webinar included:
i. Pooled fund study membership status
ii. Phase I project update: three completed projects and two on-going projects
iii. PFS DMA project status and discussion
iv. Phase II planning

2. Year 2 Program

a. CTS Certification project by OmniAir: A webinar was provided to the pooled fund study members on August 18th 12:00 – 2:00PM EDT for the update on Task 1 & 2 deliverables and for beginning discussion for Task3.
b. Aftermarket OBE project by Visteon: The Task1 report (State of the Industry Report) was delivered on September 30th and will be sent out for comments.

3. PFS Dynamic Mobility Application (DMA) Program

a. A conference call to discuss and finalize the RFP (Rev3.0) was held on Monday, July 11th 12:00PM EDT.
b. A revised version of the RFP (Rev4.0) was then prepared and discussed at the webinar on August 25th.
c. It was determined to select a deployment location first before initiating the procurement process. Hence, a revised RFP will be prepared in October after selecting a location(s) and the procurement process will be initiated shortly.

Anticipated work next quarter:

1. PFS Overall

a. A face-to-face meeting will be held on December 14th in Irvine, CA. The tentative agenda include:
Update/briefing on current projects
Selection of DMA contractor
Develop work plan for 2012

2. Year 2 Program

a. CTS Certification project by OmniAir:
Task 3 & 4 reports will be delivered and the project will be completed by December 2011.

b. Aftermarket OBE project by Visteon:
Task2 report (A vendor/market readiness report) will be delivered in November 2011.

3. PFS Dynamic Mobility Application (DMA) Program

a. A deployment location for the Multi-Modal Intelligent Traffic Signal System will be selected.
b. The procurement process for the Multi-Modal Intelligent Traffic Signal System will be initiated in November.

Significant Results:

Direction for the PFS Dynamic Mobility Application (DMA) Program was set as following:

1. Select a deployment location for the Multi-Modal Intelligent Traffic Signal System
2. Modify the RFP to reflect this change
3. Advertise the RFP to solicit proposals

Circumstance affecting project or budget. (Please 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).

No problems have been encountered to date.

Potential Implementation:

The Multi-Modal Intelligent Traffic Signal System will be deployed in the selected location in the next phase of the PFS DMA program.