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: 97199/90712	**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	$552,427	37%

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	$66,166	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 face-to-face meeting was held in conjunction with the AASHTO VII Working Group Meeting on December 14th in Irvine, California. Agenda items were: a. Program overview and introduction, b. Transport Canada involvement to the PFS, c. Develop work plan for 2012 – project idea discussion, d. Presentation from contractors on current projects, and e. Selection of DMA contractor.

2. Year 2 Program
a. CTS Certification project by OmniAir: Conference calls were held on November 16th and 21st for a discussion of Task 3 and Task 4 – Gap Analysis and Recommendations.
b. Aftermarket OBE project by Visteon: A webinar was provided to the pooled fund study members on November 15th 1:00-2:00PM EST to present Task 1 results of the state of the industry report. Task 2 report (vendor/market readiness report) was submitted on December 9th.

3. PFS Dynamic Mobility Application (DMA) Program
a. The RFP was posted on November 10th.
b. Six proposals were received by December 7th.
c. Evaluation scores were received from the pooled fund study members by December 21st and a summary score sheet was sent back to the members on the same day. On December 22nd 1:00-2:00PM EST, a proposal evaluation webinar was held to discuss and select a contractor.

4. Work Plan for Year 2012
a. In response to the solicitation email sent out on November 15th, eight project ideas were submitted.
b. Submitted ideas were discussed and prioritized at the face-to-face meeting in Irvine, CA on December 14th.

Anticipated work next quarter:

1. PFS Overall
   None at this point.

2. Year 2 Program

a. CTS Certification project by OmniAir:
   The final project report will be delivered in the next quarter.
b. Aftermarket OBE project by Visteon:
   Task4 report (A guidance report) will be delivered in the next quarter.

3. PFS Dynamic Mobility Application (DMA) Program

a. The final score summary along with several negotiation questions will be forwarded to the UVA procurement office.
b. The negotiation questions will then be sent to six proposers and corresponding answers will be received.
c. Based on the proposers' answers, the contractor will be finally selected and the procurement office will start finalizing the contract agreement.
d. The expected project award date is at the end of January 2012.

4. Work Plan for Year 2012

a. The potential six projects selected at the meeting in Irvine last month will be prioritized based on the votings from the pooled fund study members.
b. Draft scopes for the selected projects will be prepared and discussed at a conference call.

Significant Results:

1. The contractor for the PFS Dynamic Mobility Application (DMA) project was selected.

2. The potential projects for Year 2012 were selected.

3. The CTS Certification project will be completed in the next quarter.

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.