

TRANSPORTATION POOLED FUND PROGRAM
Quarterly Report

PROJECT TITLE: Program to Support the Development and Deployment of Infrastructure IntelliDrive Applications

OBJECTIVES: To provide a means to conduct the work necessary for infrastructure providers to play a leading role in IntelliDrive

PERIOD COVERED: January – March 2011

PARTICIPATING AGENCIES: California DOT, FHWA, Florida DOT, Maricopa County, Michigan DOT, Minnesota DOT, New York DOT, Texas DOT, Virginia DOT and Washington DOT

PROJECT MANAGER:

SP&R PROJECT NO:

PROJECT IS:

LEAD AGENCY: Virginia DOT

Planning

PRINCIPAL INVESTIGATOR:

Research & Development

ANNUAL BUDGET: \$350,000

PROJECT EXPENDITURES TO DATE **\$344,214**

WORK COMPLETED:

1. Year 1 Program

- a. IntelliDrive Traffic Signal Algorithm – draft reports for Tasks 1, 4, and 5 were delivered and distributed to the PFS members for comments.
- b. SPAT Benefits – Task 3 and 4 draft reports were received and distributed.
- c. Pavement Maintenance Support Application of IntelliDrive – a draft report for the 3rd quarter was delivered and distributed to the PFS members for comments.

2. Year 2 Program

- a. 13 proposals in response to the RFPs for the following two projects were received by Friday, January 28.
 - i. Aftermarket IntelliDriveSM On-Board Equipment
 - ii. Certification Program for IntelliDriveSM
- b. The proposals were distributed to the PFS on Wednesday, February 2 for evaluation scores.
- c. Written evaluation scores from the PFS members were received by Friday, February 25. The items/weights for evaluation are:
 - i. Technical plan 50%
 - ii. Experience 30%
 - iii. Price 10%
 - iv. SWAM 10%
- d. Call on Monday, March 7 12:00-1:00PM
 - i. The purpose of this call was to discuss the evaluation results for the proposals
 - ii. Based on the discussion,
 1. OmniAir was selected for the Certification Program for IntelliDriveSM project
 2. Visteon was chosen for the Aftermarket IntelliDriveSM On-Board Equipment aftermarket OBE project
- e. A final evaluation summary was compiled and forwarded to the UVA procurement services on March 16.

3. PFS Dynamic Mobility Application (DMA) Program

- a. At the call on Friday, January 7 12:00-1:00PM EST, descriptions for two recommended projects were discussed.
 - i. IntelliDrive-Enabled Transportation Management Support System: Integrating Multi-Modal Traveler Information and Dynamic Routing
 - ii. IntelliDrive-Enabled Traffic Signal Operation System
- b. The PFS management team revised and distributed the program description document to the members.
- c. At the AASHTO meeting in Irvine (see below for more details), it was determined that only one project (Multi-Modal Intelligent Traffic Signal System) would be pursued at this point.
- d. The project description was finalized through a call with FHWA on Thursday, March 3 10:00-11:00AM EST and a call with the PFS members on Monday, March 14 12:00-1:00PM EDT.

4. Meetings

- a. A face-to-face PFS meeting was held in conjunction with the AASHTO meeting in Irvine, CA on Feb 15-16.
 - i. A PFS update document was prepared and presented.
 - ii. Specific items presented and discussed are:
 - 1. Overall program status
 - 2. PFS DMA projects
 - 3. Phase II of the PFS program

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- 1. Year 1 Program
 - a. Draft final reports for three projects will be delivered and distributed to the PFS members.
 - b. A webinar will be held on Tuesday, April 19 12:00-2:00PM EDT for final project presentation.
- 2. Year 2 Program
 - a. Selection of the contractors will be finalized and a Purchase Order will be issued accordingly.
- 3. PFS Dynamic Mobility Application (DMA) Program
 - a. A scope of work document will be prepared.

STATUS AND COMPLETION DATE:

Percentage of work completed to date for total project

Project is: 49 %

 on schedule X behind schedule, explain: Procurement time required for Year 1 and Year 2 projects resulted in delay. Sufficient funds remain to complete work – project will require a no-cost extension. In addition, members are actively considering extending the project for an additional 2 years following current end date of 6/30/11.

Expected completion Date: June 30, 2011