

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Maryland State Highway Administration

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 # TPF-5(252)	Transportation Pooled Fund Program - Report Period: <input type="checkbox"/> Quarter 1 (January 1 – March 31) <input checked="" type="checkbox"/> Quarter 2 (April 1 – June 30) <input type="checkbox"/> Quarter 3 (July 1 – September 30) <input type="checkbox"/> Quarter 4 (October 1 – December 31)	
Project Title: I-95 Corridor Coalition Vehicle Probe Project		
Name of Project Manager(s): Kathleen Frankle	Phone Number: 410-414-2925	E-Mail kfrankle@umd.edu
Lead Agency Project ID: TPF-5(252)	Other Project ID (i.e., contract #):	Project Start Date: July 1, 2011
Original Project End Date: June 30, 2014	Current Project End Date: June 30, 2014	Number of Extensions:

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
\$637,709	\$637,709	100 %

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
	\$155,295	100 %

Project Description:

I-95 Corridor Coalition began an initiative in 2008 called the Vehicle Probe Project with the ambition of providing comprehensive and continuous travel time information on freeways and arterials from Maine to Florida using non-intrusive technologies based on vehicle probe methods. A collaborative effort among the I-95 Corridor Coalition members, the vehicle probe project envisioned a system that provided travel time and speed data for corridors that facilities interstate as well as intra-state movement.

The coverage area of the initial stage of the project was approximately 1,500 centerline freeway miles from New Jersey through North Carolina that began on July 1, 2008. The initial stage emphasized the delivery of quality data on freeways that provided through movement along the I-95 corridor. This included I-95, parallel freeways to I-95, and freeway and arterials that cross-linked these facilities and provided detour routes in the event of heavy congestion or incidents on the primary routes. The first stage has proved effective to monitor freeway travel times and speeds within the accuracy specifications in order to enable a variety of applications, most of which were operations based in nature. Since the initiation of the project, the geographic coverage of the system has been expanded to approximately 7,100 centerline miles of freeway and includes the entire limited access road network in New Jersey, Maryland, Virginia, North Carolina and South Carolina.

Participating I-95 Corridor Coalition member agencies have found numerous uses for the vehicle probe data, including:

- Travel Information for 511 (web and phone) Systems, Dynamic Message Signs, and Kiosks
- Travel Time Calculations for Message Boards
- Performance Measures and Travel Time Reliability Support
- Traffic Pattern Observations (in-state and multi-state)
- Trip Planning (www.i95travelinfo.net)
- Analysis and evaluation of archived data for research on travel behavior

Objective: The objective of the second phase of the project is to continue to push forward to realize the entire vision of the Vehicle Probe Project, that of an ubiquitous and high quality source of travel time and speed data creating a seamless traffic monitoring system that spans the entire eastern seaboard using probe technology, and driving a variety of applications. The applications include not only Operations, but also Planning and Engineering, and not only existing applications, but also uses of the data not previously leveraged.

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

Validation: The data collection in 2014 in the second quarter continued to be concentrated on arterials corridors. Data collection for the purposes of validation on arterials continued with two data collection in Virginia and one in Maryland. Processing on these and previous data collection continues. Sample results were presented at the 2014 NATMEC conference in Chicago Illinois at the end of June. The validation team plans to present a comprehensive review of the validation results from multiple corridors later in 2014.

Management: UMD continues to support management team and project team meetings with validation updates, budget reports, and information related to new members accessing the data feed (and signing the data use agreement.) Much of the 2nd quarter was occupied with concerns over the re-compete initiative. The University of Maryland (on behalf of the Coalition) announced award of the VPPII contract to three vendors: HERE, Inrix and TomTom in June of 2014. The Data Use Agreements are being finalize to enable an August 1 launch.

Data: Vehicle probe data was provided as directed by the Coalition.

Anticipated work next quarter:

None. Project is complete.

Significant Results:

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).

N/A

Potential Implementation: