

**Transportation Pooled Fund Program  
Quarterly Report**

**Project Title:** Developing a Standard Test Procedure for Travel Time Data Quality Assessment (TPF 5-200)

**Objectives:** Develop a standard test procedure to evaluate the quality of travel time data services. The standard test procedure will produce evaluation results that are consistent and will allow for fair comparisons between travel time data services.

**Period Covered:** 1/1/10 to 3/31/10

**Participating Agencies:** Virginia DOT, FHWA, Alabama DOT, Caltrans, Maryland DOT, Michigan DOT, Pennsylvania DOT

<p><b>Project Manager:</b> Michael Fontaine (VDOT)</p> <p><b>Lead Agency:</b> Virginia DOT</p> <p><b>Principal Investigators:</b> Brian Smith (Univ. of VA), Shawn Turner (Texas Transportation Institute), Michael Fontaine (VDOT)</p>	<p><b>SP&amp;R Project Number:</b> TPF-5(200)</p>	<p><b>Project is:</b></p> <p><input type="checkbox"/> <b>Planning</b></p> <p><input checked="" type="checkbox"/> <b>Research</b></p>
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<p><b>Project Budget:</b> FY 10: \$166,499 FY 11: \$155,388 Total: \$321,887</p>	<p><b>Project Expenditures to Date:</b> \$63,982.56 through 3/31/10 (38.4% of FY budget, 19.9% of lifetime budget)</p>
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**Work Completed:**

The University of Virginia has led efforts to investigate appropriate sampling strategies and identify means to stratify roads based on traffic or geometric characteristics. This work has made use of a dense set of AVI data for the Houston area provided by the Texas Transportation Institute. That work has been used to define scenarios where agencies should concentrate efforts when evaluating travel time information, and provided some good guidance on sampling strategies for freeway systems.

The Texas Transportation Institute has been working with private sector groups with an interest in travel time data quality. This work has revealed some strong synergies between this pooled fund study and ongoing private sector efforts. Opportunities to leverage these efforts will be discussed at the coming panel meeting.

**Summary of Activities to be Completed Next Quarter:**  
A face-to-face meeting of the panel will be held on May 24, 2010 in Fairfax, VA. This meeting will be used to discuss a draft set of guidelines for freeways, avenues for distributing the guidelines/standard, review the results of the sampling research, and prioritize items for the remainder of the project. The relationship between this standard and the private sector North American Traffic Working Group will also be discussed.

**Status and Completion Date:** On schedule. Project completion date still planned for 5/31/11.