TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Virginia DOT (VDOT) .

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-5(141)**	**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:
Pavement Surface Properties Consortium: A Research Program

Name of Project Manager(s):	**Phone Number:**	**E-Mail**
Kevin Kenneth McGhee	(434) 293-1956	Kevin.McGhee@VDOT.Virginia.gov
Lead Agency Project ID:	**Other Project ID (i.e., contract #):**	**Project Start Date:**
82650		7/1/2006
Original Project End Date:	**Current Project End Date:**	**Number of Extensions:**
6/30/2011	3/31/2016	--

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
$1,890,581	$1,828,732	97%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
$45,839 (2.4%)	$45,839	97%

Project Description:

Through a regional pooled fund, this program of research focuses on optimizing pavement surface texture characteristics. The initial focus of the program was on the application of inertial and laser-based equipment for measuring pavement surface properties, but the scope has been expanded based on the guidance provided by the Technical Advisory Committee. The program has included the following main broad activities:

- ✓ Establishment equipment comparison and verification facility and hosting of annual equipment roundups.
- ✓ Evaluation of new and existing methods and technologies for measurement of functional highway surface properties and providing enhanced pavement surfaces.
- ✓ Conducting specific studies that require measurement of pavement surface properties under controlled traffic or environmental conditions on different surfaces. These have included (among others):
  - Investigation of seasonal effects on friction measurements,
  - Evaluating the potential adoption of the International Friction Index (IFI), and
  - Determining speed adjustment factors for locked-wheel friction trailers.
- ✓ Supporting the FHWA Continuous Friction Measurement Equipment (CFME) Technology Deployment program.
- ✓ Conducting technology transfer activities, such as: making presentations at national and international conferences and meetings, organizing training workshops, publishing journal papers, and organizing conferences and symposia.

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

- Work has continued on the following activities:
  - Organizing the mid-year TAC meeting in conjunction with this year's RPUG meeting in Raleigh, N.C. on November 2-5, 2015. Five member states have confirmed and all the arrangements for their participation have been made.
  - Data processing and analysis of the data collected during the 10th Annual Surface Properties Rodeo
  - Preparation of the rodeo report and presentation for review at the TAC meeting in November.
- The Consortium offered to contribute to RPUG with two presentations.
  - Virginia Pilot Network Friction Project using CFME
  - Enhancing Pavement Surface Macrotexture Characterization by Using the Effective Area for Water Evacuation
- Prepared a revised scope for the consortium's proposed second phase, which will be discussed at the TAC meeting.

Anticipated work next quarter:

- Hold the mid-year TAC meeting in conjunction with this year's RPUG meeting in Raleigh, N.C. on November 2-5, 2015.
- Prepare and deliver the two presentations accepted for RPUG meeting in Raleigh, N.C.
- Prepare the presentations for the three papers that have been accepted for TRB in 2016.

Significant Results:

Circumstance affecting project or budget. (Please describe any challenges encountered or anticipated that might 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 were encountered in this quarter.

Potential Implementation: