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(345) Pavement Surface Properties Consortium – A Research Program at the Virginia Smart Road Phase II**	**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): Kevin Kenneth McGhee	**Phone Number:** (434) 981-5214	**E-Mail** Kevin.McGhee@VDOT.Virginia.gov
Lead Agency Project ID: 82650	**Other Project ID (i.e., contract #):**	**Project Start Date:** 5/19/2016
Original Project End Date: 2/28/2022	**Current Project End Date:** 2/28/2022	**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
$1,412,181*	$695,204	49%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
$68,105 (5%)	$68,105	49%

* Committed; the actual contracted budget is $790, 775 (VTTI)

Project Description:

This program of research focuses on optimizing pavement surface texture characteristics. Phase I of the program demonstrated that a collaborative research program can provide an accessible and efficient way for highway agencies and other organizations to conduct research on pavement surface properties. This second phase focuses on addressing some of the emerging challenges in the evaluation of pavement surface properties and the changes needed to best support the next generation of pavement and asset management systems, including support for MAP21-related initiatives. The program includes the following main broad activities: (1) equipment comparisons; (2) technology transfer; and (3) research on emerging topics.

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

- Participated in the *99th Annual Meeting of the Transportation Research Board*, January 11-16, 2020 in Washington, D.C.
  - Edgar de León Izeppi made two presentation on Network Level Friction Testing for:
    - AFD90 Pavement Surface Properties and Vehicle Interaction Committee for Task Group V – Safety, Environmental, and other issues on Tuesday January 14, 2020.
    - ANB25 Highway Safety Performance Committee on Thursday January 16, 2020.
  - Ross McCarthy made a presentation on Determining Investigatory Levels of Friction with Crashes on Monday January 13, 2020 at the *Design and Analysis of Pavement Friction and Texture* session 1243 sponsored by AFD90.
  - Ryland Musick made a presentation on Friction-Based Safety Performance Functions for the West Virginia Division of Highways Roadway Network on Monday January 13, 2020 at the *Pavement Surface Characteristics* session 1336 sponsored by AFD90.
- A conference call was held on February 5 with participants from 8 states to plan some of the activities for this years' Rodeo. A list of possible topics for presentations during the Rodeo was made, the two more important being a Best Practices presentation and a Portfolio of Treatments and the levels of friction and macrotexture that can be achieved. This work will allow the planning the 13*th Annual Surface Properties Rodeo* to be held at the Virginia Smart Road on May 20-24, 2020. The members were also informed of some of the details of the calibration of the SCRIM in the UK.
- Edgar de León Izeppi and Gerardo Flintsch participated in the ATSSA 50th Annual Convention & Traffic Expo held in the Convention Center in New Orleans, Louisiana on January 24 – 28, 2020. During this meeting, details of the organization of the Safer Roads 2020 Conference to be held in Richmond, Virginia on May 2020 were discussed. VTTI, VTRC, VDOT and other organizations have pledge their support for this conference and are working together with ATSSA organizing the technical reviews and other aspects of the conference. The TAC meeting agreed to send two participants from each member state to the SaferRoads 2020 conference in lieu of participating in the Annual Rodeo.
- Edgar de León Izeppi participated in the 53rd Annual Mid-Atlantic Quality Assurance Workshop (QAW) in Williamsburg, Virginia with the presentation *Network Level Friction Testing – A tool to reduce crashes* on Wednesday February 12, 2020.
- Worked on processing and analysis continued with the data collected with the SCRIM in North Dakota.

Anticipated work next quarter:

- Finalize the details to participate in the Safer Roads 2020 Conference to be held in Richmond, Virginia on May 2020.
- Complete a report for the North Dakota technology assistance.
- Work with Kansas and Illinois DOT to conduct demonstrations and guide them in the implementation of a pilot PFMP using CFME technology (SCRIM).

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: