

## 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.*

<b>Transportation Pooled Fund Program Project #</b> <i>(i.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX))</i>  <b>TPF-5(345) Pavement Surface Properties Consortium – A Research Program at the Virginia Smart Road Phase II</b>		<b>Transportation Pooled Fund Program - Report Period:</b> <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)	
<b>Project Title:</b> <p style="text-align: center;"><b>Pavement Surface Properties Consortium: A Research Program</b></p>			
<b>Name of Project Manager(s):</b> Kevin Kenneth McGhee		<b>Phone Number:</b> (434) 293-1956	
<b>Lead Agency Project ID:</b> 82650		<b>Other Project ID (i.e., contract #):</b>	
<b>Original Project End Date:</b> 2/28/2022		<b>Current Project End Date:</b> 2/28/2022	
		<b>E-Mail</b> <a href="mailto:Kevin.McGhee@VDOT.Virginia.gov">Kevin.McGhee@VDOT.Virginia.gov</a>	
		<b>Project Start Date:</b> 5/19/2016	
		<b>Number of Extensions:</b> --	

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*	\$729,483	52%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
\$34,279 (2%)	\$34,279	2%

\* Committed; the actual contracted budget is \$1,013,775 (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.):**

- The cancellation of all state-sponsored travel due to the virus pandemic has resulted in the cancellation of all of the activities related to the Safer Roads Conference to be held in Richmond, Virginia Smart Road on May 12-14, 2020.
- Held a virtual TAC meeting on Thursday April 19, 2020 with participants from the TPF-5 (345) Pooled Fund to update the states representatives on what is going to happen with some of the other activities planned for this year, such as the preparation work for the verification of the SCRIM devices at the TRC test track in Ohio, which has also been postponed.
- Presented the preliminary results of the analysis for the North Dakota demonstration to the steering group on April 6, 2020. All the results of the data collection, processing, and analysis made for the project were presented, as well as the results for the evaluation of the pavement preservation sections in Minnesota. The presentation covered the results of the SPF+EB analysis and a list of potential friction improvement projects based on the B/C projects.

**Anticipated work next quarter:**

- Complete final report of the work in North Dakota and send it to NDDOT for review.
- Plan the data collection in Illinois, which is expected to be done in the months of July and August depending of the restrictions to travel due to the virus.

**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).**

The Safer Road Conference has been postponed indefinitely and the data collection efforts during this quarter have been totally shut down because of COVID-19 restrictions.

**Potential Implementation:**