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)**	**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 – Managing the Pavement Properties for Improved Safety

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		5/19/2016
Original Project End Date:	**Current Project End Date:**	**Number of Extensions:**
2/28/2022	2/28/2022	--

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
$1,162,181*	$627,099	54%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
$68,400 (6%)	$ (35,600) +	6%

* Committed; the actual contracted budget is $790,575 (VTTI)

\+ The actual expenditures were $68,400; however, the consortium received the $ 102,626 reimbursement of the deposit for the admission to the SCRIM into the UK.

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.):

- A reimbursement of a deposit of $102,626 was finally received from the shipping company that made the arrangements to ship the SCRIM to the UK for maintenance and re-calibration in March. The deposit was required by the government of the UK to allow the temporary import of the vehicle that would allow it to participate in the TRL yearly trials held in the MIRA test grounds (operated by the CSTI personnel). As had been reported before, the SCRIM returned to the US May 7, 2019.
- A web based TAC meeting was held on October 30, 2019.
  - The TAC discussed the proposal for the RNS "Friction Demand" to be presented at the next TRB AFD90 Committee Meeting in January. The consensus was to continue work on the RNS with Brian Schleppi, the CRC for AFD90.
  - The TAC confirmed the agreement to send two participants from each member state to the SaferRoads 2020 conference which will take place in Richmond, Virginia on May 12-14, 2020. The attendance to the conference will be instead of the annual Rodeo in Blacksburg, which will not be held in 2020.
- Continued the processing and analysis of the data collected in North Dakota.
- The following presentation was accepted for presentation at the *99th Annual Meeting of the Transportation Research Board:*
  - McCarthy, R, Flintsch, G, de León Izeppi, E, Katicha, S., Guo, F., "A Mathematical Approach for Determining Investigatory Levels of Friction."

Anticipated work next quarter:

- Prepare the presentations to the *99th Annual Meeting of the Transportation Research Board*, January 11-16, 2020 in Washington, D.C. In addition to the paper mentioned in the previous section, Edgar de León will be making a presentation in the ANB25 Highway Safety Performance Committee.
- Finish the analysis of the North Dakota Data.
- Start the anticipated work for the 2021 Certification of the SCRIM device with WDM in the TRC test track in Ohio.

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: