

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>(i.e., SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX))</i> TPF-5(345) Pavement Surface Properties Consortium – A Research Program at the Virginia Smart Road Phase II		Transportation Pooled Fund Program - Report Period: <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)	
Project Title: <div style="text-align: center;">Pavement Surface Properties Consortium: A Research Program</div>			
Name of Project Manager(s): Kevin Kenneth McGhee		Phone Number: (434) 293-1956	
Lead Agency Project ID: 82650		Other Project ID (i.e., contract #):	
Original Project End Date: 2/28/2022		Current Project End Date: 2/28/2022	
		E-Mail Kevin.McGhee@VDOT.Virginia.gov	
		Project Start Date: 5/19/2016	
		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
\$698,500*	\$66,959	10%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
\$23,882 (3%)	\$23,882	10%

* Committed; the actual contracted budget is \$159,981

Project Description:

Through a regional pooled fund, 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 rodeos, (2) technology transfer, and (3) research on emerging topics.

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

- Organized the 11th *Annual Surface Properties Rodeo* at the Smart Road in Blacksburg, VA in June 6-10, 2017.
- Hosted the *Annual TAC Meeting* in Blacksburg, VA.
 - Approved the proposal to re-focus the consortium on developing and deploying asset management approaches and tools that help improve the safety of our road networks by reducing the number of crashes and related fatalities.
 - Presented examples of related case studies and research.
 - Received feedback from consortium members on research needs and possible future activities.
 - Decided to hold a TPF-5(345) mid-year meeting during the RPUG '17.
 - Decided to schedule a webinar to summarize and perhaps prioritize specific activities moving forward.
- Presented work related to the consortium activities at the 5th *Safer Roads International Conference* in Auckland, New Zealand, May 21-24 and at the *World Conference on Pavement and Asset Management*, Baveno, Italy, June 12-16.

Anticipated work next quarter:

- Schedule a webinar to summarize and prioritize specific activities moving forward.
- Prepare papers related to the consortium activities.
- Organize the TPF-5(345) mid-year meeting during the RPUG '17 in Denver, CO.

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: