

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 type="checkbox"/> Quarter 2 (April 1 – June 30) <input checked="" type="checkbox"/> Quarter 3 (July 1 – September 30) <input type="checkbox"/> Quarter 4 (October 1 – December 31) | |
| Project Title: <p style="text-align: center;">Pavement Surface Properties Consortium: A Research Program</p> | | |
| Name of Project Manager(s): Kevin Kenneth McGhee | Phone Number: (434) 293-1956 | E-Mail Kevin.McGhee@VDOT.Virginia.gov |
| Lead Agency Project ID: 82650 | Other Project ID (i.e., contract #): | Project Start Date: 2/15/2021 |
| Original Project End Date: 9/30/2025 | Current Project End Date: 29/30/2025 | 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 |
|----------------------|--------------------------------|--------------------------------------|
| \$1,000,000* | \$4,538 | 0.5% |

Quarterly Project Statistics:

| Total Project Expenses and Percentage This Quarter | Total Amount of Funds Expended This Quarter | Total Percentage of Time Used to Date |
|--|---|---------------------------------------|
| \$4,538 (5%) | \$4,538 | 0.5% |

* Committed; the actual budget contracted with VTTI is \$199,713.

Project Description:

This program of research focuses on optimizing pavement surface texture characteristics. Phase I and II of the program have demonstrated the benefits of a collaborative research program and addressed 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. The focus of Phase III is to continue to support the implementation of asset management approaches and tools that help improve the safety of our road networks by reducing the number of crashes and related fatalities. It represents a concerted effort to bring pavement design and evaluation experts together with maintenance and safety professionals to maximize the contribution of the pavement community Towards Zero Deaths on US highways.

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

- The kick off meeting was held in conjunction with the TAC meeting of TPF 5(345) on March 30, 2021 and the two pooled fund met together twice during this quarter. Please refer to TPF 5(345) progress report for details about the consortium activities.

Anticipated work next quarter:

- The research consortium members will work on identifying key relevant research effort to be conducted under this collaborative effort and develop the corresponding research need statements.

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).

Potential Implementation: