

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(385) Pavement Structural Evaluation with Traffic Deflection Devices (TSDDs)		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: Pavement Structural Evaluation with Traffic Speed Deflection Devices (TSDDs)			
Name of Project Manager(s): Brian Diefenderfer	Phone Number: (434) 293-1944	E-Mail brian.diefenderfer@vdot.virginia.gov	
Lead Agency Project ID:	Other Project ID (i.e., contract #): 449904 (VT)	Project Start Date: 10/15/2018	
Original Project End Date: 9/30/2021	Current Project End Date: 10/31/2023	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
\$6,389,000*	\$ 4,181,425	65%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
\$762,064 (12%)	\$762,064	65%

* Committed (including 2 transfers from FHWA EFL); the actual contracted budget is \$5,593,677 (VTTI)

Project Description:

The objective of the pooled-fund is to establish a research consortium focused on providing participating agencies the opportunity to test available TSDDs as part of a demonstration project and providing guidelines on how to specify collection and use data collected with TSDDs. Specific tasks within this multi-year program will be developed in cooperation with the consortium participants.

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

- Conducted 7th webinar on the analysis of Eastern Federal Land TSD data.
- Finalized location and date of workshop of TPF members to exchange experience with TSD data analysis. The meeting is planned for September 27th, 2022.
- Conducted mid-year TAC meeting (virtual) in July.
- Distributed final version of Guideline for Pavement Management Implementation of TSD
- Continued work on report summarizing the first 6 organized webinar
- Continued work on Guidelines and Specifications for TSDD Data Collection
- Attended conference in Chicago and presented at a workshop/session on the use of TSDD data for pavement management.
- Continued support of Eastern Federal Land, South Carolina and Wisconsin DOT analysis of TSD data
- Submitted TRB paper on the analysis of Joints with TSD data

Anticipated work next quarter:

- Organize Workshop meeting on September 27th, 2022.
- Finalize and submit report for Eastern Federal Lands TSD data analysis.
- Continue work *Guidelines and Specifications for TSDD Data Collection*
- Submit proposal to develop appropriate indices to derive from TSD measurement to be used for network-level and project-level applications.
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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: