TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Virginia DOT (VDOT)	
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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.

Total Project Budget	Total Cost	to Date for Project	Percentage of Work Completed to Date
Overall Project Statistics:			
☑ On schedule ☐ On revised schedule ☐ A		Ahead of schedule	☐ Behind schedule
Project schedule status:			
Original Project End Date: 9/30/2021	Current Project	End Date: /31/2023	Number of Extensions:
		9904 (VT)	Project Start Date: 10/15/2018
Name of Project Manager(s): Brian Diefenderfer	, ,	293-1944	brian.diefenderfer@vdot.virginia.gov
Project Title: Pavement Structural Evaluation with T	raffic Speed Defle	ection Devices (TSDDs	s)
		Guarter 4 (October	1 December 51)
		☐ Quarter 4 (October	,
Deflection Devices (TSDDs)		☑ Quarter 3 (July 1 – September 30)	
(i.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX) TPF-5(385) Pavement Structural Evaluation with Traffic :		, , ,	
		☐ Quarter 1 (January 1 – March 31)	
Transportation Pooled Fund Program Project #		Transportation Pooled Fund Program - Report Period:	

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
\$418,639 (6%)	\$418,639	70%

\$4,600,064

\$6,040,000*

70%

^{*}Committed (including 2 transfers from FHWA EFL); the actual contracted budget is \$5,201,677 (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.):

- Organized Workshop meeting on September 27th, 2022.
- Finalized and submitted report for Eastern Federal Lands TSD data analysis.
- Continued work Guidelines and Specifications for TSDD Data Collection.
- Submitted proposal to develop appropriate indices to derive from TSD measurement to be used for network-level and project-level applications. Proposal was discussed during TAC meeting on September 27th, 2022 and project was approved.

Anticipated work next quarter:

- Organize 8th Webinar: look for volunteer from participating agencies to present their agency efforts.
- Finalize Guidelines and Specifications for TSDD Data Collection.
- Finalize Webinars 1-6 report.
- Continue support of Wisconsin TSD analysis efforts.
- Develop Circular summarizing workshop circular.
- Restart regional pooled fund meetings.
- Organize a TAC meeting during TRB.

Significant Results:

• Scavone, M. Katicha, S., Flintsch, G., and Amarh E. "Estimating Load Transfer Load Transfer Efficiency for Jointed Pavements from TSD Deflection Velocity Measurements." Accepted for presentation at the 2023 Transportation Research Board Meeting and Publication in the TRR.

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:	