

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 type="checkbox"/> Quarter 2 (April 1 – June 30) <input type="checkbox"/> Quarter 3 (July 1 – September 30) <input checked="" 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
\$5,997,000*	\$ 3,594,292	60%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
\$233,078 (4%)	\$233,078	60%

* Committed (including 2 transfers from FHWA EFL); the actual contracted budget is \$4,445,996 (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.):

- Continued data collection
- Organized and delivered 6th webinar in December
- Held all 4 subgroups second meeting: presented “*Guideline for Pavement Management Implementation of TSD*”
- Received TSD collected at MnRoad
- Analyzed TSD for Eastern Federal Lands special project (Natchez Trace and Blue Ridge Parkway):
 - Collected and analyzed GPR data (subcontract to Infrasense)
 - Calculated S_{Neff} and subgrade Mr
- Completed all Chapters of *Guideline for Pavement Management Implementation of TSD*
- Prepared meeting agenda and presentation for TAC meeting to be held in January

Anticipated work next quarter:

- Organize 7th webinar in February or March
- Hold the TAC meeting on January 13th and the Walter E. Convention Center in Washington DC
- Plan to organize a 1.5-day meeting of TPF members to exchange experience with TSD data analysis and use in each state
- Analyze results of MnRoad test trials
- Plan for the third round of subgroup meetings
- Finalize, edit, and share with members *Guideline for Pavement Management Implementation of TSD*
- Work on the document *Guidelines and Specifications for TSDD Data Collection*
- Continue work on developing and documenting case studies

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: