**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.*

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| **Transportation Pooled Fund Program Project #**  *(i.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX)*  **TPF-5(518) Implementation of Structural Data from  Traffic Speed Deflection Devices** | | **Transportation Pooled Fund Program - Report Period:**  🞎 Quarter 1 (January 1 – March 31)  🗹 Quarter 2 (April 1 – June 30)  🞎 Quarter 3 (July 1 – September 30)  🞎 Quarter 4 (October 1 – December 31) | |
| **Project Title:**  **Implementation of Structural Data from Traffic Speed Deflection Devices** | | | |
| **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 #):**  467764 (VT) | | **Project Start Date:**  2/1/2024 |
| **Original Project End Date:**  9/30/2028 | **Current Project End Date:**  9/30/2028 | | **Number of Extensions:**  -- |

Project schedule status:

* On schedule 🞎 On revised schedule 🞎 Ahead of schedule 🞎 Behind schedule

Overall Project Statistics:

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| **Total Project Budget** | **Total Cost to Date for Project** | **Percentage of Work**  **Completed to Date** |
| $6,797,000\* | $ 2,836,780 | 42% |

***Quarterly*** Project Statistics:

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| **Total Project Expenses**  **and Percentage This Quarter** | **Total Amount of Funds**  **Expended This Quarter** | **Total Percentage of**  **Time Used to Date** |
| $ 591,110 (9%) | $ 591,110 | 9% |

\* Committed; the actual contracted budget is $4,307,500 (VTTI)

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| **Project Description**:  The objectives of this follow-on pooled fund study include continuation of an existing research consortium that focuses on providing participating agencies guidance on how to specify and implement TSDD data within their respective pavement management systems and processes. Specific tasks within this multi-year program will be developed in cooperation with the partner agencies. |

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| **Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):**   * Continued work on the QA/QC procedures   + Started developing a software application to automate QA/QC procedures for TSDD measurements * Reviewed the proposed solution by ARRB Systems to correct the calibration error of TSD measurements   + Organized a webinar to inform the pooled fund members of the issue and the proposed solution (on 05/14/2025) * Finalized the plans for the 4th Symposium on TSDDs   + Date: September 16 and 17, 2025   + Location: Alexandria, Virginia   + Organized a webinar with pooled fund members to discuss conference registration and travel reimbursements   + Solicited from pooled fund members and industry a request to present at the Symposium * Started work on the TSD verification report (Phase I to IV of the work performed) * Organized a meeting with pooled fund members to vote on the purchase of a Laser Doppler Vibrometer (LDV) to be used for verification efforts of the TSD * Developed a list of routes to perform TSD repeated testing in Virginia * Finalized the RFQ |

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| **Anticipated work next quarter**:   * Finalize the purchase of the LDV * 4th TSDD Symposium   + Finalize the agenda   + Organize the meeting * Conduct Phase V of the verification testing of the TSD in August at the Virginia Smart Road * Finalize the list of routes for repeated testing and share with ARRB Systems * Post the RFQ on the pooled fund website * Continue work on the QA/QC software application and on the verification report (anticipated completion of first version of software and draft report: December 2025) |

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| **Significant Results:** |

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| **Circumstance affecting project or budget. (Please describe any challenges encountered or anticipated that might affect the completion of the project within the time, scope and fiscal constraints set forth in the agreement, along with recommended solutions to those problems).** |

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| **Potential Implementation:** |