**TRANSPORTATION POOLED FUND PROGRAM**

**QUARTERLY PROGRESS REPORT**

Lead Agency (FHWA or State DOT): \_\_\_FHWA Resource Center Pavement and Materials Team \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**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 #***TPF-5(299)* | **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:**Improving the Quality of Pavement Surface Distress and Transverse Profile Data Collection and Analysis (PSDAT) Pooled-Fund Study |
| **Name of Project Manager(s):** **Andy Mergenmeier** | **Phone Number:****667.239.0879** | **E-Mail****Andy.mergenmeier@dot.gov** |
| **Lead Agency Project ID: N/A** | **Other Project ID (i.e., contract #):****N/A** | **Project Start Date:****March 2014** |
| **Original Project End Date:****2020** | **Current Project End Date:****2020 – no additional funds added** | **Number of Extensions:****0** |

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** |
| $1.5 million | $1.5 million |  |

***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** |
| $0 | $0 | $0 |

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| **Project Description**: Assemble state highway agencies (SHA), the Federal Highway Administration (FHWA), Industry, and academia to (1) identify Pavement Surface Distress and Transverse Profile Data Collection and Analysis (PSDAT) data integrity and quality issues; (2) suggest approaches to addressing identified issues; (3) initiate and monitor projects intended to address identified issues; (4) disseminate results; (5) assist in solution deployment; and (6) support other efforts related to improving PSDAT data collection and analysis. |

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| **Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):**Revised transverse profiler certification tests AASHTO standards approved – publishing in 2024. Implementation of TPF products contract ongoing. Developing work plans for improving AASHTO R 87 rut depth and Cross slope definitions, implement Transverse Pavement Profiler Assessment standards, and developing work plan for The feasibility analysis of developing a reference quality annotated image library of pavement surface conditions for AI/ML applications. Total funding for this pooled fund study has been obligated, the follow-on project TPF-5(399) has funds for further efforts. |
| **Anticipated work next quarter**: Draft final report for the Implementation of TPF products project. . |

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| **Significant Results:** Twenty-one state highway agencies have committed funds to the study.  |
| **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:** AASHTO standards published in 2021 related to transverse profile certification procedures (AASHTO PP 106-111) and standard data format (AASHTO MP 47) for 2D/3D pavement image data. |