**TRANSPORTATION POOLED FUND PROGRAM**

**QUARTERLY PROGRESS REPORT**

Lead Agency (FHWA or State DOT): Missouri DOT

**INSTRUCTIONS:**

*Lead Agency contacts 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(539)* | | **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) | |
| **TPF Study Number and Title:**  TPF-5(539) Establishment of a Public-Private Transportation Data Exchange Center | | | |
| **Lead Agency Contact:**  Jen Harper | **Lead Agency Phone Number:**  573-526-3636 | | **Lead Agency E-Mail**  Jennifer.harper@modot.mo.gov |
| **Lead Agency Project ID:**  S090201C | **Other Project ID (i.e., contract #):**  TR202501 | | **Project Start Date:**  December 1, 2024 |
| **Original Project Start Date:**  December 1, 2024 | **Original Project End Date:**  November 30, 2028 | | **If Extension has been requested, updated project End Date:** |

Project schedule status:

□ On schedule □ On revised schedule □ Ahead of schedule □ Behind schedule

Overall Project Statistics:

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| **Total Project Budget** | **Total Funds Expended**  **This Quarter** | **Percentage of Work**  **Completed to Date** |
| $1,399,997 | $122,174.21 | 10% |

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| **Project Description**:  This pooled fund study aims to establish a collaborative data exchange framework between Original Equipment Manufacturers (OEMs) and Departments of Transportation (DOTs). OEMs collect and store vast amounts of connected vehicle data, which can provide valuable insights for transportation agencies in assessing safety, mobility, and infrastructure performance. Conversely, DOTs are the custodians of critical infrastructure and possess data, such as construction schedules and signal timing information, that could enable OEMs to enhance connected vehicle systems and develop innovative solutions.  By fostering a partnership between OEMs and DOTs, this study seeks to develop a secure, scalable, and mutually beneficial data-sharing ecosystem. This collaboration will support the creation of tools and analytics that improve roadway safety, enhance mobility, and optimize infrastructure management, while also enabling OEMs to design solutions that align with transportation agency priorities. The pooled fund will focus on defining data standards, establishing governance structures, and developing the technological foundation needed to facilitate seamless data integration and exchange. |

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| **Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):**  This quarter, we have made substantial progress toward the goals of the pooled fund study, particularly in expanding OEM engagement and advancing our data-sharing objectives. Two key meetings were held to shape the engagement strategy and finalize data priorities, and we made notable progress in recruiting new OEM participants.  • **Pooled Fund Member Meeting (June 6):** During this meeting, members deliberated on strategies for engaging with OEMs and prioritized the types of data most valuable to DOT operations. The team reached consensus on focusing initially on proactive safety data as a foundational use case for OEM collaboration.  • **OEM Engagement – Stellantis and NIRA Dynamics (Ongoing):** Following targeted outreach efforts, we successfully engaged Stellantis and NIRA Dynamics in discussions about joining the pooled fund. Both parties have agreed to share data, marking a significant achievement for the study. An in-person meeting with Stellantis is scheduled to take place at the ITS World Congress to finalize the terms of engagement and next steps. Additionally, we are working with NIRA Dynamics to establish a formal data sharing agreement that will enable the secure transfer of their data to the pooled fund platform. |
| **Anticipated work next quarter**:  **In the upcoming quarter, we plan to build on recent momentum by advancing OEM engagement and beginning initial data exploration. Our primary activities will include:**  • **Finalizing Data Sharing Agreements:** We will work closely with NIRA Dynamics to complete a formal data sharing agreement and continue discussions with Stellantis to solidify the terms of engagement established during our upcoming in-person meeting at the ITS World Congress.  • **Recruiting an Additional OEM:** Efforts will be made to identify and engage at least one more OEM partner to broaden the scope and diversity of data available to the pooled fund.  • **Initiating Data Exploration:** With data access expected to begin, we will start exploring the datasets shared by OEMs to assess structure, quality, and relevance to our identified priority—proactive safety applications. |

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| **Significant Results:**  **This quarter, the pooled fund study achieved key milestones that advanced our OEM engagement efforts and solidified our data-sharing strategy:**   1. **OEM Engagement Expanded:** We successfully initiated collaboration with Stellantis and NIRA Dynamics. Both organizations agreed to share data with the pooled fund, marking a major step forward in building a robust data-sharing network between DOTs and OEMs. 2. **In-Person OEM Meeting Scheduled:** A strategic in-person meeting with Stellantis has been scheduled for the upcoming ITS World Congress, where we aim to finalize the terms of engagement and define next steps for data integration. 3. **Data Sharing Agreement Underway:** We are actively developing a data sharing agreement with NIRA Dynamics to formalize their participation and enable secure data exchange. 4. **Project Focus Defined:** In the June 6 member meeting, pooled fund participants prioritized proactive safety data as the initial focus area, ensuring that our OEM engagements align with high-impact DOT objectives. |
| **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).**  N/A |

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| **Potential Implementation:**  N/A |