**TRANSPORTATION POOLED FUND PROGRAM**

**QUARTERLY PROGRESS REPORT**

Lead Agency (FHWA or State DOT): \_\_\_FHWA\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**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(458)* | | **Transportation Pooled Fund Program - Report Period:**  XQuarter 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:**  **Traffic Analysis Modeling and Simulation** | | | |
| **Lead Agency Contact:**  Rachel James | **Lead Agency Phone Number:**  (202) 493-3205 | | **Lead Agency E-Mail**  Rachel.James@dot.gov |
| **Lead Agency Project ID:**  TPF-5(458) | **Other Project ID (i.e., contract #):** | | **Project Start Date:**  January 1, 2021 |
| **Original Project Start Date:**  **N/A Continuing Effort** | **Original Project End Date:** | | **If Extension has been requested, updated project End Date:** |

Project schedule status:

X 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** |
| 2021 – 40,000  2022 – 120,000 +25,000 (FHWA HRD)  [Used $77,273.00 + $7,727 to fund Data  Fusion Project] | Ongoing Project (N/A) | Ongoing Project (N/A) |

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| **Project Description**:  The Traffic Analysis, Modeling, and Simulation (TAMS) PFS is intended to serve as a forum and provide an opportunity for the participants to identify, address, and collectively tackle key issues and challenges that are common among public agencies in conducting, managing, and/or approving traffic analysis and simulation studies. The TAMS PFS will address key technical and programmatic traffic analysis issues through the investigation and development of best practices, lessons learned, and recommended guidelines or methodologies. The TAMS PFS will also provide an opportunity to facilitate the interaction, sharing of information, and exchange of knowledge with a broader audience to advance and improve upon the current state-of-the-practice related to the usage, management, and/or approval of traffic analysis and simulation tools. The goal of this study is to improve the state-of-the-practice in traffic analysis, modeling, and simulation to enable public agencies to make the best possible transportation investment decisions based upon high-quality traffic analyses. The objectives of this study are to assemble federal, state, regional, and local agencies to: 1) identify challenges and issues common among those responsible for conducting, managing, and/or approving traffic analysis and simulation studies; 2) suggest approaches to address identified challenges; 3) initiate and monitor projects intended to address identified challenges and issues; 4) develop and disseminate noteworthy practices, recommendations, and results; and 5) promote and facilitate technology transfer related to traffic analysis and simulation issues nationally. |

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| **Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):** Emerging Data Cleaning and Fusion for Traffic Model Calibration  * Received Data Fusion for Microsimulation Model Calibration Annotated Outline and circulated with pooled fund study members. Gave feedback to contractor. * Sent questionnaire to member states requesting information on preferred data sources and modeling software |
| **Anticipated work next quarter**: Emerging Data Cleaning and Fusion for Traffic Model Calibration  * Draft Data Fusion for Microsimulation Model Calibration Report due 06/2023. |

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| **Significant Results:** |
| **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:** |