**TRANSPORTATION POOLED FUND PROGRAM**

**QUARTERLY PROGRESS REPORT**

Date: \_\_7/31/2018\_\_\_\_\_\_\_\_\_

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

**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(319), SRP-2(207) and TPF-5(052) | | **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:**  Transportation Management Center Pooled Fund Study | | | |
| **Name of Project Manager(s):**  Jimmy Chu | **Phone Number:**  202-366-3379 | | **E-Mail**  Jimmy.chu@dot.gov |
| **Lead Agency Project ID:**  DTFH61-06-D-0004-T-11008 | **Other Project ID (i.e., contract #):** | | **Project Start Date:**  Feb. 1, 2000 |
| **Original Project End Date:**  Sept. 30, 2010 | **Current Project End Date:**  Apr. 16, 2020 | | **Number of Extensions:**  3 |

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** |
| 4,285,998 | 2,562,252 | 60 |

***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** |
| 65,381 | 65,381 |  |

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| **Project Description**:  The Transportation Management Center (TMC) Pooled Fund Study (PFS) serves as a forum to identify and address issues that are common among agencies that manage and operate TMCs and provides an opportunity for agencies to collectively take on those key issues and challenges. The TMC PFS also provides an opportunity to facilitate the interaction, sharing of information and successful practices with a broader audience to advance and improve upon the current state-of-the-practice related to the management, operation, and performance of TMCs.  The goal of the TMC PFS is to assemble regional, state, and local transportation management agencies and the Federal Highway Administration (FHWA) to:   * Identify human-centered and operational issues; * Suggest approaches to addressing identified issues; * Initiate and monitor projects intended to address identified issues; * Provide guidance and recommendations and disseminate results; * Provide leadership and coordinate with others with TMC interests; and * Promote and facilitate technology transfer related to TMC issues nationally. |

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| **Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):**  Effects on ITS Planning and Deployment in a Connected Vehicle Environment: This project was essentially completed. The final project report is under FHWA review.  Capability and Usage Guidelines for Color Changeable Message Signs: Draft guidelines for using color full-matrix changeable message signs were presented to the members at the annual meeting in April 2018. Preliminary work plan and schedule for the human factors study was presented to the members at the annual meeting. Second draft guidelines were submitted and reviewed by the project committee in June 2018.  Considerations of Current and Emerging TMC Data: The project was on schedule. A draft project report was anticipated to be delivered in September 2018.  The TMC Pooled Fund Study Annual Meeting was held on April 11 and 12 in Tampa, Florida. Members reviewed the project status and progress, discussed plans for the program, prioritized and selected projects/studies to initiate in 2019, and toured the Connected Vehicle Pilot Project in Tampa. |
| **Anticipated work next quarter**:  Capability and Usage Guidelines for Color Changeable Message Signs: Revised draft guidelines for using color full-matrix changeable message signs will be submitted for review. Work plan and schedule for the human factors study will be solidified and work will commence in August 2018.  Considerations of Current and Emerging TMC Data: A draft project report will be developed and submitted for review in September 2018.  A quarterly conference call will be held on July 18, 2018. Members will review the progress of on-going projects and discuss the scopes, priorities and schedule of upcoming projects. |

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| **Significant Results:**  The final report for the Travel Time Displays at Freeway Entrance Approaches project has been published. The report explores the optimal ways to provide travel time information at freeway entrance approaches to drivers and to evaluate the influence of travel time information on their route choices and diversion behaviors. The studies presented in this report provide both laboratory and field insights into message format and location, as well as resulting behaviors by commuters.  There have been 37 research efforts funded by this group that have helped advance transportation management and operations practices through the country. |
| **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).**  No issues have been encountered to date. |

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| **Potential Implementation:**  Additional webinars to broadcast research results and products by the TMC pooled fund study will be arranged and rolled out on a quarterly basis. |