

# TRANSPORTATION POOLED FUND PROGRAM

## QUARTERLY PROGRESS REPORT

Date: 1/20/2026

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.*

<b>Transportation Pooled Fund Program Project #</b> (i.e. SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX))  TPF-5(487) (Initial Phase <u>TPF-5(319)</u> )	<b>Transportation Pooled Fund Program - Report Period:</b> <input type="checkbox"/> Quarter 1 (January 1 – March 31) <input type="checkbox"/> Quarter 2 (April 1 – June 30) <input type="checkbox"/> Quarter 3 (July 1 – September 30) <input checked="" type="checkbox"/> Quarter 4 (October 1 – December 31)	
<b>Project Title:</b> Traffic Management Center Pooled Fund Study Phase II ((TPF-5(487) and <u>TPF-5(319)</u> – Initial or Phase I)		
<b>Name of Project Manager(s):</b> Chip Millard	<b>Phone Number:</b> (202) 366-4415	<b>E-Mail:</b> Chip.Millard@dot.gov
<b>Lead Agency Project ID:</b> DTFH61-06-D-0004-T-11008	<b>Other Project ID (i.e., contract #):</b>	<b>Project Start Date:</b> Feb. 1, 2000
<b>Original Project End Date:</b> Sept. 30, 2010	<b>Current Project End Date:</b> Apr. 16, 2027	<b>Number of Extensions:</b> 4

Project schedule status:

On schedule       On revised schedule       Ahead of schedule       Behind schedule

Overall Project Statistics:

Total Project Budget	Total Cost to Date for Project	Percentage of Work Completed to Date
\$ 7,675,569 (Commitment Total for 2 Phases) \$ 4,200,000 (Commitment for TPF-487)	\$ 6,506,783.47 (Total for 2 Phases)	85 (Total for 2 Phases)

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
\$ 183,128.02	\$ 183,128.02	

**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.

**Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):**

The following is the progress achieved on current TMC PFS projects:

*Sharing Information on TMS Emerging Topics*

- AI/ML for Performing TMS Functions:
  - White Paper: Final submitted 10/20/25.
  - Factsheet: Initial submitted 10/28/25; revised draft submitted 11/25/25.
  - Presentation: Initial submitted 10/28/25; revised draft submitted 11/25/25.

*Sharing and Using Different Types of Data in Traffic Management Systems (TMS)*

- Sharing Data
  - Technical report: final submitted 11/24/25. Added into publication process on 12/18/25.
  - Factsheet: final submitted 10/15/25. Added into publication process on 12/18/25.
  - Presentation: initial version submitted 10/9/25. Added into publication process on 12/18/25.
- Using Data
  - Technical report: final submitted 11/20/25. Added into publication process on 12/18/25.
  - Factsheet: initial version submitted 10/7/25; revised draft submitted 11/21/25. Added into publication process on 12/18/25.
  - Presentation: initial version submitted 10/9/25; revised draft submitted 11/21/25. Added into publication process on 12/18/25.

*Planning to Frame the Strategic Direction and Future Investments in TMS*

- Final technical report submitted 12/5/25.
- Final fact sheet submitted 10/9/25.

*Methods to Identify Staffing Needs and Developing or Updating Staffing Plans for TMSs*

- Identifying Staffing Needs
  - Continued to prepare final 508c report.
- Developing or Updating Staffing Plans
  - Final technical report submitted 10/20/25.

*Enabling the Sharing and Use of Software and Application Programming Interfaces (APIs) for TMS*

- Revised draft technical report submitted 10/22/25.

*Classifying, Measuring, Collecting, and Using Information on the Conditions of TMS Assets*

- Draft annotated outline for the technical report submitted 11/19/25.

*Locating and Placing TMS Devices*

- Continued to work on the final annotated outline for the technical report.

A Virtual Technical Exchange exploring *TMC Field Equipment Shelters and Rodent/Insect Proofing* was held on 11/5/25 highlighting PennDOT and MnDOT's experiences. These quarterly meetings provide a forum for TMC PFS members to exchange information on key technical topics of interest.

A quarterly conference call was conducted on 12/3/25. During the meeting, AECOM presented on *Sharing and Using Different Types of Data in TMS*, members reviewed current progress on projects, members provided updates on agency activities, and members reviewed possible new 2026 projects and next steps.

**Anticipated work next quarter:**

*TMC PFS Virtual Technical Exchange*. The next virtual technical exchange on *Artificial Intelligence and Machine Learning for Traffic Management Systems*, which will highlight Florida DOT and Utah DOT's experiences, is scheduled for February 4, 2026.

*TMS PFS Quarterly Meeting*. The next quarterly meeting with members to review progress on all of the current and planned TMC PFS projects and activities is scheduled for March 4, 2026.

*Sharing Information on TMS Emerging Topics*

- *Monitoring and Reporting on Performance of TMS*: Final white paper expected in Q1 2026.
- *AI/ML for Performing TMS Functions*: Final fact sheet and presentation expected in Q1 2026.
- *Partnering with Universities for TMC Support*: Draft and final white paper, draft and final fact sheet, and draft and final presentation expected in Q1 2026.
- *TMS Cybersecurity*: Draft and final white paper, draft and final fact sheet, and draft and final presentation expected in Q1 2026.

*Sharing and Using Different Types of Data in Traffic Management Systems (TMS)*

- Project ended 1/2/2026. Final report and outreach materials are in the publication process.

*Planning to Frame the Strategic Direction and Future Investments in TMS*

- Final report and outreach materials expected to be finalized and put into publication process in Q1 2026.

*Methods to Identify Staffing Needs and Developing or Updating Staffing Plans for TMSs*

- Identifying Staffing Needs
  - Final report expected to be finalized and put into publication process in Q1 2026.
- Developing or Updating Staffing Plans
  - Final report expected to be finalized and put into publication process in Q1 2026.

*Sharing and Using Software and Application Programming Interfaces (APIs) for TMS*

- Final technical report expected in Q1 2026.

*Classifying, Measuring, Collecting, and Using Information on the Conditions of TMS Assets*

- Revised draft annotated outline for the technical report expected in Q1 2026.

*Locating and Placing Traffic Management System Field Devices*

- Final white paper expected in Q1 2026.
- Final annotated outline for the technical report expected in Q1 2026.

**Significant Results:**

- Several project reports are expected to be finalized and submitted for publication in Q1 2026.

**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

**Potential Implementation:**

New projects for implementation in 2026 will be voted on during a TMC PFS Member meeting scheduled for January 28, 2026.