

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Federal Highway Administration (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.

Transportation Pooled Fund Program Project # TPF-5(470)		Transportation Pooled Fund Program - Report Period: <input checked="" 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 type="checkbox"/> Quarter 4 (October 1 – December 31)	
TPF Study Number and Title: TPF-5(470): Traffic Signal Change and Clearance Interval Pooled Fund Study			
Lead Agency Contact: Jamie Mackey	Lead Agency Phone Number: 385-831-4262	Lead Agency E-Mail jamie.mackey@dot.gov	
Lead Agency Project ID:	Other Project ID (i.e., contract #): 693JJ322A000005_693JJ323F00330N	Project Start Date: 09/22/2023	
Original Project Start Date: 09/22/2023	Original Project End Date: 09/21/2026	If Extension has been requested, updated project End Date: N/A	

Project schedule status:

- On schedule
 On revised schedule
 Ahead of schedule
 Behind schedule

Overall Project Statistics:

Total Project Budget	Total Funds Expended This Quarter	Percentage of Work Completed to Date
\$1,036,655.77	Deliverables \$110,387.15 Travel Expenses \$10,267.67	19%

<p>Project Description: Define a sound, data-driven, research approach and work plan to address the current limitations and challenges in the determination and assessment of traffic signal change and clearance intervals (CCI). Conduct research based on statistically valid data and robust methods to establish a defensible and practical methodology for agencies to use for assessing and making CCI decisions. Provide a report, companion data, and materials to support review and understanding of the findings, including presentation slides, factsheets, practical documented summary examples, to facilitate building awareness among traffic signal operators.</p>
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<p>Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):</p> <ul style="list-style-type: none"> • Conducted in-person technical panel meeting in Salt Lake City. • Conducted benchmarking survey. • Developed research work plan and comment resolution report. • Conducted the first external webinar.
<p>Anticipated work next quarter:</p> <ul style="list-style-type: none"> • Finalize research work plan and comment resolution report. • Finalize benchmarking survey white paper and SQL database. • Conduct pilot data collection and analysis. • Determine when to report pilot data collection/analysis results back to the technical panel.
<p>Significant Results:</p> <ul style="list-style-type: none"> • Decided to conduct a pilot data collection/analysis effort that: <ul style="list-style-type: none"> ○ Focuses on the top-priority research goals. ○ Excludes lower-priority research goals. ○ Focuses on BSM/CV, video, historical crash, and LiDAR data. ○ Gives the technical panel an opportunity to review initial outcomes and propose changes or corrections to the research approach.
<p>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).</p> <p>The research team anticipates requesting to transfer a portion of the available equipment/materials and travel funding to labor, to improve the sample size of data collection/analysis that will be needed to address the top-priority research questions.</p>
<p>Potential Implementation:</p> <p>The research team will turn its focus to implementation considerations (e.g., developing a practical new CCI methodology and field validation method) in approximately the Fall of 2024, following the initial months of data collection and analysis.</p>

Task	Deliverable	Complete?
1	Kick-off Meeting	Y
1	Project Management - Final Work Plan	Y
2	Technical Panel Meeting 1	Y
2	Feasibility and Gaps White Paper	Y
2	Technical Panel Meeting 2	Y
2	Final Project Research Work Plan	80% complete as of 03/31/2024
3	Final White Paper on Survey Results	95% complete as of 03/31/2024
3	SQL Database and Dashboard	95% complete as of 03/31/2024
4	Data Collection and Analysis*	Remainder of 2024
4	Technical Panel Meeting 3**	Summer 2024
5	Technical Panel Meeting 4	Summer 2025
5	Final White Paper - Final Methodology	Spring 2025
6	Project Report Annotated Outline	Spring 2025
6	Final Project Report	Summer 2025
6	Technical Panel Meeting 5	Summer 2025
7	Final Outreach Plan Report	Summer 2025
7	Final Outreach Plan Materials	Summer 2025
7	External Webinar 1	Y
7	External Webinar 2	Summer/Fall 2024
7	External Webinar 3	Summer 2025
8	Travel Estimate Log	Y
8	Detailed Travel Reimbursement Log	Summer 2025

* Monthly time and materials (T&M) payments.

** No milestone payment for Technical Panel Meeting 3.