

## TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

FHWA Office of Operations

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<b>Transportation Pooled Fund Program Project #</b> TPF-5(470)	<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 Signal Change and Clearance Interval Pooled Fund Study – Synthesis Report (Phase 1 of 3)		
<b>Name of Project Manager(s):</b> Eddie Curtis	<b>Phone Number:</b> (404) 780-0927	<b>E-Mail</b> Eddie.Curtis@dot.gov
<b>Lead Agency Project ID:</b> 693JJ321F000151	<b>Other Project ID (i.e., contract #):</b> DTFH6116D00053L	<b>Project Start Date:</b> 6/3/2021
<b>Original Project End Date:</b> 9/28/2022	<b>Current Project End Date:</b> 3/28/2023	<b>Number of Extensions:</b> 2

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
\$330,624 - (Phase 1)	\$278,690	84%

**Quarterly** Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
\$42,000 (13%)	\$42,000	86%

**Project Description:**

Synthesis of the state of knowledge on traffic signal change and clearance intervals, and to identify research gaps, and develop a research and data collection plan to improve the documentation and consistent implementation of methods within state and local agencies.

The objectives of this task order are as follows:

1. The Contractor must develop a synthesis of knowledge on traffic signal change and clearance intervals, and identify research gaps, and develop a research plan and evaluate potential data collection alternatives.
2. The Contractor must provide a report, and companion database to characterize the current state of knowledge and practices related to traffic development and implementation of traffic signal change and clearance intervals.

**Project Requirements**

The Contractor must provide all personnel, equipment, supplies, facilities, transportation, tools, materials, supervision, and other items and non-personal services necessary to perform the following Tasks.

Task 1 – Project Management

Task 2 – Literature Review and Benchmarking Report

Task 2.5 – Extended Literature Review – (Examines unpublished research)

Task 3 – Research Plan

Task 4 – Data Collection Methods Analysis

Task 5 – Synthesis Report and Outreach

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

- Expanded Literature Review - Complete
- Draft Synthesis Report - Complete

**Anticipated work next quarter:**

- Final Synthesis Report
- Presentation of Synthesis Findings (Scheduled 1/19/2023)
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**Significant Results:**

- **Stopping Probability Method demonstrates conflicts with Kinematic Methods at low and high speeds**

**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).**

- **The need to address a significant amount of unpublished research was discovered during the task order. To sustain the authority of the current research, a modification of the task was directed to address unpublished research. Additional funding was added to the task order and the performance period was extended to March 28, 2023.**

**Potential Implementation:**

None to report this quarter.

# Tentative Schedule (June 2021 - September 2022)

Traffic Signal Change and Clearance Interval Pooled Fund Study – Synthesis Report

