## TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

## FHWA Office of Operations

Transportation Pooled Fund Program P	roject #	Transportation Pooled Fund Program - Report Period:											
TPF-5(470)		☐ Quarter 1 (January	<sup>,</sup> 1 – March 31)										
		☐ Quarter 2 (April 1 -	- June 30)										
		☐ Quarter 3 (July 1 –	September 30)										
		X Quarter 4 (October	•										
Project Title:		24 Quarter 4 (Cotober	- December 61)										
•													
Traffic Signal Change and Clearance Inter-	val Pooled Fund	Study – Synthesis Repo	rt (Phase 1 of 3)										
Name of Project Manager(s):	Phone Num	nber:	E-Mail										
Eddie Curtis	(404) 780-0		Eddie.Curtis@dot.gov										
Lead Agency Project ID: 693JJ321F000151	Other Projection	ect ID (i.e., contract #):	Project Start Date: 6/3/2021										
Original Project End Date: 9/28/2022	Current Pro 3/28/2023	pject End Date:	Number of Extensions: 2										
Project schedule status: $\Box$ On schedule $\sqrt{}$ On revised sche	dule 🗆	Ahead of schedule	☐ Behind schedule										
Overall Project Statistics:													
Total Project Budget	Total Co	st to Date for Project	Percentage of Work Completed to Date										
\$330,624 - (Phase 1)	\$278,690		84%										
Quarterly Project Statistics:													
Total Project Expenses		nount of Funds	Total Percentage of										
and Danasatana This Occasion													
and Percentage This Quarter \$42,000 (13%)	\$42,0000	ed This Quarter	Time Used to Date										

## **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.):	
<ul> <li>Expanded Literature Review - Complete</li> <li>Draft Synthesis Report - Complete</li> </ul>	
Anticipated work next quarter:	
<ul> <li>Final Synthesis Report</li> <li>Presentation of Synthesis Findings (Scheduled 1/19/2023)</li> </ul>	
Expanded Literature Review - Complete  I work next quarter:  Final Synthesis Report Presentation of Synthesis Findings (Scheduled 1/19/2023)  Results:  pping Probability Method demonstrates conflicts with Kinematic Methods at low and high speeds  acce affecting project or budget. (Please describe any challenges encountered or anticipated that at the completion of the project within the time, scope and fiscal constraints set forth in the along with recommended solutions to those problems).  Inceed to address a significant amount of unpublished research was discovered during the task er. To sustain the authority of the current research, a modification of the task was directed to address published research. Additional funding was added to the task order and the performance period was extended	
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																																						
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Task 1 - Project Management				· · · · ·			,								·			·					,					1 1		· ·					ļ			-
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Task 2 - Literature Review, Benchmarking and Research Gaps							J				J.																				1							
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Task 3 – Research Plan																													2	).								
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Task 4 – Data Collection Alternatives and Analysis Methods																, ,			, ,					, ,		, ,		, ,			, ,			3		, ,		
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Task 5 – Synthesis Report and Outreach																																_						
Interim Deliverable 1.1 - Kickoff Meeting (Agenda, Presentation, Project Schedule, Kickoff																																						
Meeting Minutes)																																						
Interim Deliverable 1.2 - Project Management Plan																																						
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Time for Panel and FHWA Reviews			15 22		6 13	20	27	3 10	17	24 31	7	14 21	28	5	12 19	26	2	9 16	23 3	30 7	14 2		4 1	1 18	25 1	8	15 2	2 1	8	15 22	2 29	5 1	2 19	26	3 10	0 17	24	31 7
☆ ★ Draft and Final Outcome of the Task to be presented on Technical Pannel Meetings	2	9	16 23	30	7 14	21	28	4 11	18	25 1	8	15 22	29	6	13 20	27	3 1	10 17	7 24	1 8	15 2	2 29	5 12	2 19	26 2	9	16 2	3 2	9	16 23	30	6 1	3 20	27	4 1	1 18	25	1 8
¬ Timespan for Kick-off and Technical Panel Meetings	_		17 24		8 15	22	29	5 12	19	26 2	9	16 23	30	7	14 21	28	4 1	11 18	3 25	2 9	16 2	3 30	6 13		27 3	10	17 2	4 3	10	17 24	31	7 1	4 21	28	5 13	2 19	26	2 9
Timespan for Monthly Status and Ad-Hoc Meetings (TBD)	_				9 16		30	6 13		27 3	10	17 24			15 22		5 1			3 10				4 21			18 2			18 25		8 1	5 22	29	6 13	3 20		3 10
▲▲ Monthly and Quarterly Progress Reports	5	12	19 26	3	10 17	24	31	7 14	21	28 4	11	18 25	2	9	16 23	30	6 1	13 20	27	4 11	18 2	2 <mark>5</mark> 1	8 1	5 22	29 5	12	19 2	6 5	12	19 26	2	9 1	6 23	30	7 14	4 21	28	4 11