TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT

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.

Transportation Pooled Fund Program Project # *(i.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX)* TPF-05(317)	**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: The Evaluation of Low Cost Safety Improvements Pooled Fund Study (ELCSI-PFS)		
Name of Project Manager(s): Roya Amjadi	**Phone Number:** 202-493-3383	**E-Mail** roya.amjadi@dot.gov
Lead Agency Project ID: TPF-05(317)	**Other Project ID (i.e., contract #):** N/A	**Project Start Date:** 05/2005
Original Project End Date: 05/2010	**Current Project End Date:** Open Ended	**Number of Extensions:** 1

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
$4,380,000	$4,282,000	555%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
$183,000	N/A	N/A

Project Description:

FHWA has initiated the Low Cost Safety Improvements Pooled Funds Study to encompass safety-effectiveness evaluations of priority strategies from the NCHRP Report 500. The goal of the proposed research is to develop reliable estimates of the safety effectiveness of safety improvements identified as strategies in the NCHRP Report 500 Guidebooks through scientifically rigorous “Before”-”After” (B/A) evaluations of sites within the U.S. where these strategies are being implemented. The data for the study will be gathered from those states that implement the strategies throughout the US. The methodology utilized will typically be an Empirical Bayes evaluation or other appropriate method, using B/A data to help determine their effectiveness in reducing the number and severity of crashes. The data will be collected, and evaluation studies performed, as the strategies are implemented over the course of several years.

Phase I- The first phase (retro-respective) of evaluations is completed and published for;
1. Safety Evaluation of Increasing Retroreflectivity of STOP Signs
2. Safety Evaluation of Flashing Beacons at STOP-Controlled Intersections
3. Safety Evaluation of STOP AHEAD Pavement Markings
4. Safety Evaluation of Installing Center Two-Way Left-Turn Lanes on Two-Lane Roads

Phase II- The second phase (retro-respective) of evaluations is completed and published for;
1. Safety Evaluation of Improved Curve Delineation
2. Safety Evaluation of Offset Improvements for Left-Turn Lanes
3. Safety Evaluation of Lane and Shoulder Width Combinations on Rural, Two-Lane, Undivided Roads
4. Safety Evaluation of Advance Street Name Signs

Phase III, Part 1- The third phase (part-one, strategy implementation) of evaluations is completed. This phase is a

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

NEW TASKS

1. Contractor's technical proposal for the ELCSI-PFS, Phase X was received and reviewed in September of 2016. However, contractor proposed cost was higher than government cost estimate, and its proposal was rejected. FHWA will be sending out a new request for proposal for the Phase X in November of 2016.
2. The Expert Statistician Support Team task was awarded, and its kick off meeting was conducted in August of 2016.
3- The Safety Evaluation of High Friction Surface Treatments, Phase II is collecting friction data using FHWA, High Friction Tester.

PUBLICATION PROGRESS:

The ELCSI-PFS' 10 new technical papers are near final stages of developments/modifications. These technical papers will be scheduled for publications as they are approved by FHWA for final products starting in December of 2016.

CURRENT STUDIES AND PROGRESS (% completed):

1. Pedestrian Countdown Signals (90% complete)
2. Flashing Yellow Arrow Signal (95% complete)
3. Access Management (95% complete)
4. Realignment of Horizontal Curve (90% complete)
5. High Friction Surface Treatments (25%).
6. Expert Statistician Support Team (5%)

COMPLEMENTARY STATISTICAL STUDIES FUNDED BY DCMF PROGRAM

1- The Focus Crash Type Risk Factors study (50% complete) (methodology used for this study did not work, and new

Anticipated work next quarter:

1- Manage ELCSI-PFS' on-going and two new tasks.
3- Manage 2 on-going DCMF studies.
4- For the second time, request proposal for ELCSI-PFS, Phase X studies for a better cost proposal.
5- Award the task for ELCSI-PFS, Phase X studies.
8- Continue work on publications.
9- Review and finalize studies near completions.
10- Attend meetings.
11- Keep up communication with TAC members.
12- Keep up cooperation with American Statistical Association.
13- Other related efforts.

Significant Results:

Review and preparation for publication are in final stages for:
1. Safety Evaluation of Multiple Strategies at Stop-Controlled Intersections
2. Safety Evaluation of Multiple Strategies at Signalized Intersections
3. Safety evaluation of Restricted Crossing U-Turn (final report completed)
4. Safety Evaluation of Profiled Thermoplastic Pavement Markings (final report completed)
5. Safety Evaluation of the Flashing Yellow Arrow Treatment at Signalized Intersections
6. Safety Evaluation of Corner Clearance at Signalized Intersections
7. Safety Evaluation of Realignment of Horizontal Curves
8. Safety Evaluation of Turning Movement Restrictions at Stop-Controlled Intersections

NEW TASKS
1. The Safety Evaluation of High Friction Surface Treatments Phase II is collecting friction data using FHWA, High Friction Tester.
2. The Expert Statistician Support Team task was awarded and kick off meeting was conducted in August 2016.

PUBLICATION PROGRESS:
10 new publications are to be scheduled starting December of 2016.

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).

FHWA safety funding has been reduced. The ELCSI-PFS will be effected by FHWA funding reduction, and will depend of State member contributions for new and upcoming studies.

Potential Implementation:

N/A