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:** 2017	**Number of Extensions:** none

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	$3,670,000	280%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
$120,000	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.):

1- Publication FHWA-HRT-15-064, Tech Brief “ Safety Evaluation of Centerline Plus Shoulder Rumble Strips” is completed.
2- Publication FHWA-HRT-15-065, Technical Report for " Safety Evaluation of Wet Reflective Pavement Marking" is completed.
3- Publications FHWA-HRT-15-076, Tech Brief for "Safety Evaluation of Intersection Collision Warning System" is completed.
4- Publication FHWA-HRT-15-TBD, Tech Brief for " Safety Evaluation of Wet Reflective Pavement Marking" has been initiated.
5- Publication FHWA-HRT-15- TBD, Technical Report "Safety Evaluation of Continuos Green T Intersection" has been initiated.
6- Publication FHWA-HRT-15- TBD, Tech Brief "Safety Evaluation of Continuos Green T Intersection" has been initiated.

TAC member will receive e-mail notifications for new publications soon.

7- The ELCSI-PFS, Phase IX for the "Safety Evaluation of High Friction Surface Treatments" study scope was changed. Per FHWA review of contractor technical proposal, physical pavement friction data collection was added to this study's requirement. contractor submitted a revised technical proposal, and this task will be awarded soon.
8- Statement of Work for ELCSI-PFS, Phase X, safety evaluation of Clear zone for roadway departure and fixed object crashes is in progress.
9- The 2015 TAC Meeting balloting process was analyzed and reviewed by FHWA. This document will be submitted to TAC members soon.
10- Attended American Statistical Association (ASA), 2015 Joint Statistical Meeting (JSM) in August 2015 and met with

Anticipated work next quarter:

1- work on publications for;

i- Intersection Collision Warning System, Technical Report

ii- Wet Reflective Pavement Marking, Tech Brief

iii- Continuos Green T Intersection, Technical Report

iiii- Continuos Green T Intersection,Tech Brief

2- Final award of ELCSI-PFS, Phase IX "Safety Evaluation of High Friction Surface Treatments."

3- Finish Statement of Work for ELCSI-PFS, Phase X, safety evaluation of Clear zone for roadway departure and fixed object crashes.

4- Review the 2015 TAC Meeting ballot results for future studies of ELCSI-PFS.

Manage the ELCSI-PFS and DCMF studies.

- Update ELCSI-PFS website.
- Manage Phase III - Part 2.
- Manage Phase V- Part 2.
- Manage Phase VII.
- Manage Phase VIII.
- Manage Phase IX.
- Manage the Focus Crash Type Risk Factors study
- Manage Highway Transportation Safety Statistical Paper Synthesis

Significant Results:

1- Publication FHWA-HRT-15-064, Tech Brief " Safety Evaluation of Centerline Plus Shoulder Rumble Strips" is completed.

2- Publication FHWA-HRT-15-065, Technical Report for " Safety Evaluation of Wet Reflective Pavement Marking" is completed.

3- Publications FHWA-HRT-15-076, Tech Brief for "Safety Evaluation of Intersection Collision Warning System" is completed.

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5- Publication FHWA-HRT-15- TBD, Technical Report "Safety Evaluation of Continuos Green T Intersection" has been initiated.

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Completed the the ELCSI-PFS, 2015 TAC ballots analysis.

Successfully marketed CMFs and SPFs needs for improvement to American Statistical Association.

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, TFHRC publication office is currently is short of staff and the ELCSI-PFS publications may take a little longer than usual.

Potential Implementation:

N/A