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
$7,300,000	$4,864,000	700%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
$100,000	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.

This pooled fund study has contributed over 700 CMFs to the CMF Clearinghouse, and this effort is on-going.

The Phase I study (retrospective) was competed for:
1.Increased retroreflectivity of STOP signs.
2.Flashing beacons at STOP-controlled intersections.
3.STOP AHEAD pavement markings.
4.Installing center two-way left-turn lanes on two-lane roads.

The Phase II study (retrospective) was completed for:
1.Improved curve delineation.
2.Offset improvements for left-turn lanes.
3.Lane and shoulder width combinations on rural, two-lane, undivided roads.
4.Advance street name signs.

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

- Completed Safety Evaluation of Pedestrian Countdown Signals.
- Added a new study for the Safety Evaluation of Clear Zone.
- Completed planning and arrangements for the 2018 Annual TAC meeting (08/26/18 to 08/27/18).
- Completed Statement of Work (SOW), and Independent Government Cost Estimate (IGCE) for the Safety Evaluation of the Mini-roundabouts, and scheduled to start in 2018.
- Secured $50K Federal fund from the Safety Intersection Roadmap for the Mini-roundabouts evaluations.
- Completed Statement of Work, and Independent Government Cost Estimate for the Improving Empirical Bayes Methodology, and scheduled to start in 2018.
- The ELCSI-PFS abstracts for its newly published 10 studies were accepted by the Traffic Record Forum (TRF) for presentations in August of 2018 TRF annual meeting.

The Phase X studies are in progress for:
1. Adaptive Signal Control Technologies
2. Bicycle Lanes, Added by Reducing Lane and/or Shoulder Width
3. Variable speed limits (VSL)
4. Treatments to minimize the influence of Light Poles
5. Treatments to minimize the influence of Guardrails
6. Clear Zone Evaluation (New)

PUBLICATION PROGRESS:
Completed for:
1. Safety Evaluation of Multiple Strategies at Stop-Controlled Intersections

Anticipated work next quarter:

Conduct the two-day 2018 Annual TAC meeting 0n 08/26 to 08/27.
Request Technical Proposals for the Mini-roundabouts evaluation.
Request Technical Proposals for Improving Empirical Bayes Methodology task.
Manage ELCSI-PFS' studies (seven) on-going.
Manage DCMF on-going studies.
Continue work on four new publications.
Attend meetings.
Keep up communication with TAC members.
Keep up cooperation with American Statistical Association.
Other related efforts.

Significant Results:

Added a new study for the Safety Evaluation of Clear Zone.
Completed the Safety Evaluation of Pedestrian Countdown Signal.
Completed all 20 publications (technical reports and tech briefs), and distributed them to TACs.
Completed planning, and arrangements for 2018 TAC meeting.
Completed SOW, and IGCE for the mini-roundabout and improving Empirical Bayes.
Secured Federal fund for mini-roundabout and improving Empirical Bayes studies.

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).

None.

Potential Implementation:

N/A