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	$4,552,000	610%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
$90,000	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.):

The 2017 Annual Technical Activity Committee (TAC) meeting was conducted successfully on June 14-15.

The Phase X study started in June of 2017 for:
1- Adaptive Signal Control Technologies
2- Bicycle Lanes, Added by Reducing Lane and/or Shoulder Width
3- Variable Speed Limits
4- Roadside Fixed Objects

The Texas A&M was awarded the contract. The kick off meeting was conducted and the preliminary work plan was presented in the meeting.

PUBLICATION PROGRESS:
FHWA publications are near completion 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 Realignment of Horizontal Curves
6. Safety Evaluation of Turning Movement Restrictions at Stop-Controlled Intersections
7- Safety Evaluation of Red Light Indicator Lights
8- Safety Evaluation of Edge Line Rumble Stripes (ELRS) on Rural, Two-Lane Horizontal Curves.
9- Safety Evaluation of Cable Median Barriers in Combination with Rumble Strips On The Inside Shoulder of Divided Roads

Anticipated work next quarter:

1- Manage ELCSI-PFS' studies on-going.
2- Manage DCMF on-going studies.
3- Manage ELCSI-PFS, Phase X studies.
4- Conduct the ASA workshop for the "Highway Transportation Statistical Paper Syntheses" in the 2017 ASA meeting.
5- Conduct a 90 meeting session for the ELCSI-PFS studies in the 2017 Traffic Record Forum.
6- Conduct and attend one week Summer Camp for the Statistical and Applied Mathematical Science Institute (SAMSI.)
6- Continue work on publications.
7- Review and finalize studies near completions.
8- Attend meetings.
9- Keep up communication with TAC members.
10- Keep up cooperation with American Statistical Association.
11- Other related efforts.

Significant Results:

The 2017 Annual Technical Activity Committee (TAC) meeting was conducted successfully on June 14-15.

Phase X studies started for:

1- Adaptive Signal Control Technologies
2- Bicycle Lanes, Added by Reducing Lane and/or Shoulder Width
3- Variable Speed Limits
4- Roadside Fixed Objects

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