

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): _____ FHWA _____

INSTRUCTIONS:

Lead Agency contacts 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(515)		Transportation Pooled Fund Program - Report Period: <input type="checkbox"/> Quarter 1 (January 1 – March 31) <input type="checkbox"/> Quarter 2 (April 1 – June 30) <input type="checkbox"/> Quarter 3 (July 1 – September 30) <input type="checkbox"/> Quarter 4 (October 1 – December 31)	
TPF Study Number and Title: TPF-05(515) The Evaluations of Low-Cost Safety Improvements Pooled Fund Study (ELCSI-PFS)			
Lead Agency Contact: Woon Kim, FHWA	Lead Agency Phone Number: (202) 493-3383	Lead Agency E-Mail Woon.Kim@dot.gov	
Lead Agency Project ID: TPF-05(515)	Other Project ID (i.e., contract #): N/A	Project Start Date: 10/2024	
Original Project Start Date: 05/2005	Original Project End Date: 05/2010	If Extension has been requested, updated project End Date: N/A continuing effort	

Project schedule status:

☒ On schedule ☐ On revised schedule ☐ Ahead of schedule ☐ Behind schedule

Overall Project Statistics:

Total Project Budget	Total Funds Expended This Quarter	Percentage of Work Completed to Date
Ongoing project (N/A)	Ongoing project (N/A)	Ongoing project (N/A)

Project Description:

The primary goal of the Evaluation of Low-Cost Safety Improvement Pool Fund Study (ELCSI-PFS) was to save lives and reduce traffic crash injuries by identifying effective safety strategies for national implementation. The ELCSI-PFS conducted research to quantify the safety effectiveness of selected strategies — so-called crash modification factors (CMFs) — that may address priority safety concerns but had not been proven. This study also provided benefit-cost (B/C) ratios to estimate the resulting relationship between the relative monetary value of benefits and costs of a selected strategy. Transportation agencies utilized estimated CMFs and B/C ratios to select, plan, fund, and install a specific safety strategy on a targeted site to improve its outstanding safety issue. The secondary goal of this study is to improve and advance the statistical tools to conduct more reliable, rigorous research. For this effort, this study collaborated with the American Statistical Association (ASA) and identified new statistical methodologies to advance the current practices

used in the development of CMFs. This study initiated in 2005 but continued adding years for additional studies. Currently this study is running Phase XIV (so-called 3 CMFs) to evaluate the safety effectiveness of the following countermeasures:

- Curb Extensions (CE)
- Wide Width Pavement Markings (WWPM)
- Narrow Width Rumble Strips (NWRS)

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

ELCSI-PFS PHASE XIV: 3 CMFS

- Conducted the quarterly progress meeting on January 16, 2025, to brief findings in the literature reviews, to refine the study scope, and to discuss upcoming tasks and potential challenges in the next step.
- Developed the agenda and presentation materials in January and February for the stakeholder panel meeting and conducted the meeting on February 24, 2025. The subject matter experts and practitioners from FHWA and pooled fund study partnering states attended and discussed the next steps with the research plan and data collection for each topic.
- Began the gap analyses for all three studies based on the literature review and inputs from the stakeholder panel meeting. The research team will determine research questions that this study will focus on for each topic.

TECHNICAL ADVISORY COMMITTEE (TAC) MEETING

- Began planning the 2025 TAC meeting by discussing locations, dates, speakers, and agenda.
- Began contacting the states who showed interest for hosting the meeting for additional information and estimated the average travel expenses for states who showed interest for in-person participation.
- Sent an email to save the date to partnering states and potential FHWA attendees.

PUBLICATIONS

None

Anticipated work next quarter:

- Determine details of the 2025 TAC meeting including venue and speakers.
- Continue working on study feasibility and gap analysis.

Significant Results:

- Conducted the stakeholder panel meeting for inputs from practitioners and subject matter experts.

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