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 5(361)	**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: SHRP2 Naturalistic Driving Study Pooled Fund: Advancing Implementable Solutions		
Name of Project Manager(s): Charles Fay	**Phone Number:** 202-493-3336	**E-Mail** charles.fay@dot.gov
Lead Agency Project ID: TPF 5(361)	**Other Project ID (i.e., contract #):**	**Project Start Date:** 3/17/2017
Original Project End Date: 3/17/2022	**Current Project End Date:** 3/17/2022	**Number of Extensions:**

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
$2,310,000.00	200,000	0.08

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
0.00	100,000	0.04

Project Description:

This pooled fund study will support groundbreaking research using data from the second Strategic Highway Research Program (SHRP 2) Naturalistic Driving Study (NDS). The goal is to advance the development of implementable solutions for State and local transportation agencies with an emphasis on the broad areas of Safety, Operations, and Planning. Since the system of 'driver-vehicle-roadway and driving conditions' was captured, the value of these data should not only support research in the individual areas above but in a connected-automated roadway system as well.

The Technical Advisory Committee (TAC) picked six out of twenty-five proposed projects to fund for research.

The titles of these six projects are:
* Validation of Performance-Based Design

* Investigating How Multimodal Environments Affect Multitasking Driving Behaviors

* Developing Speed Crash Modification Factors (CMFs) using SHRP-2 data

* Incorporating the Impacts of Driver Distraction into Highway Design and Traffic Engineering

* Verification and Calibration of Microscopic Traffic Simulation using Driver Behavior and Car Following Metrics for Freeway Segments

* Freeway Guide Sign Performance at Complex Interchanges: Reducing Information Overload

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

Contracts are expected to start by 12/31/2019. Within 3 months of contact starts- webinars will be provided to inform the transportation community of the work to be undertaken. Likewise webinars and other tech transfer activities will be provided when the research is completed.

Each project will proceed in phases or parts, where Part A is a "feasibility phase" lasting 12 months, followed by Part B- "complete the work phase"- lasting up to 21 months. Total period of performance for Part A&B is up to 33 months.

Part A results will be reviewed by the TAC and if the preliminary results look promising, then the TAC will continue funding Part B to complete the work. Should the TAC decide not to fund Part B of a project, then these funds would be allocated to other research or implementation activities.

Anticipated work next quarter:

By end of 2019, the six projects are expected to be under contract.
Work is expected to begin 1/2020.

Significant Results:

TBD: Research will begin 1/2020 and lasts 33 months.

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).

No issues to report

Potential Implementation:

TBD: Research will begin 1/2020 and lasts 33 months. Upon the conclusion of activities the researchers will prepare and deliver final research reports that describe the research outcomes, deliverables, and proposed avenues for technology transfer and dissemination of research results.