

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Texas Department of Transportation

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 # TPF-5(482)	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 checked="" type="checkbox"/> Quarter 3 (July 1 – September 30) <input type="checkbox"/> Quarter 4 (October 1 – December 31)	
Project Title: Development and Evaluation of Roadside Safety System for Motorcyclists		
Name of Project Manager(s): Martin Dassi	Phone Number: 512-416-4747	E-Mail Martin.Dassi@txdot.gov
Lead Agency Project ID:	Other Project ID (i.e., contract #):	Project Start Date: 2021
Original Project End Date: 2024	Current Project End Date: 2025	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
\$900,000	\$710,238	78.9%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
\$47,726.57; 5%	\$47,726.57	77.1%

Project Description:

The objective of this pooled fund study is to provide a cooperative approach to conducting research to address roadside safety issues specifically related to improving motorcyclist safety. Furthermore, the study is intended to provide participating states collaborative opportunities to stay abreast of best practices, new regulatory issues, risk management strategies, and other research pertaining to roadside safety improvements for motorcyclists. Research activities will include identification, development, and evaluation of strategies and devices for mitigating the frequency and severity of road departure motorcyclist crashes.

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

The following tasks were completed in this quarter:

Task 1. Project Management

- Virtual annual meeting preparations were completed through development of project update presentations and problem statements.

Task 2. Analyze Motorcycle Roadside Safety Issues

- Project 5. Development and Full-Scale Crash Testing of an Improved Steel Railing for Use on Top of Barriers: Phase II
 - Computer simulation and crash tests results were documenting in the report deliverable.
 - Deliverable 9-1531-R3A was submitted September 18th. The deliverable documents the development of the system, computer simulation, crash tests, and MASH assessment.
- Project 6. Technology Transfer
 - Website pages were finalized for all of the sections.
 - Contacts and acknowledgements were updated for the state members.
 - The website login was updated for login access for state members.
 - Website was finalized for demonstration at the virtual annual meeting.
- Project 7. Development of Safety Standards for Testing of Motorcycle Helmets for Use in Roadside Safety System Crashworthiness Evaluation
 - Post processed the neck force and moment data to evaluate the performance of the motorcycle helmets
 - Assessed the performance of each helmet according to criteria in Annex F of EN1317-8.
 - Documented results into research report.

Anticipated Work Next Quarter:**Task 1. Project Management**

- Conduct virtual annual meeting on October 18th.
 - Give project update presentations
 - Review problem statements
 - Vote on priority of projects
 - Begin research on prioritized projects.

Task 2. Analyze Motorcycle Roadside Safety Issues

- Project 7. Development of Safety Standards for Testing of Motorcycle Helmets for Use in Roadside Safety System Crashworthiness Evaluation
 - Finalize and submit Report 9-1531-R3B that documents the test results

Significant Results:

Potential Implementation: