

## TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT – Q1/2024

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

**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.

<b>Transportation Pooled Fund Program Project #</b> <b>TPF-5(343)</b>		<b>Report Period:</b> <input checked="" type="checkbox"/> <b>Quarter 1 (January 1 – March 31)</b> <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)	
<b>TPF Study Title:</b> <a href="#">Roadside Safety Research for MASH Implementation</a>			
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<b>Lead Agency Project ID:</b> T4541	<b>Other Project ID (i.e., contract #):</b> GCB	<b>Date of Quarterly Report Submission:</b> 4/30/2024	
<b>Project Start Date:</b> 1/1/2016	<b>Original Project End Date:</b> 12/31/2021	<b>If Extension has been requested, updated project End Date:</b> 6/30/2024	

**Project schedule status:**

<input type="checkbox"/> On schedule	<input checked="" type="checkbox"/> On revised schedule	<input type="checkbox"/> Ahead of schedule	<input type="checkbox"/> Behind schedule
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**Overall Project Statistics (excluding bilateral and supplemental projects with individual states):**

Commitments to date \$ (7yrs)	Obligations to date \$	% Obligated	Currently under contract \$	Expended to date \$	Expended to date %	Completed this quarter \$
7,205,363	6,751,686	93.70%	6,510,713	6,185,596	95%	864,735

## Project Description:

### Project website: <https://www.roadsidepooledfund.org/> (members only)

The Roadside Safety Research for MASH Implementation program is designed to conduct research on roadside safety priorities for research projects aligned with the MASH implementation completion schedule. The compliance dates for MASH roadside safety hardware are:

- December 31, 2017: W-beam barriers and cast-in-place concrete barriers
- June 30, 2018: W-beam tangent terminals
- December 31, 2018: Crash cushions
- December 31, 2019: Bridge rails, transitions, all other longitudinal barriers (including portable barriers installed permanently), all other terminals, sign supports, other breakaway hardware, cable barriers, cable barrier terminals
- Also, temporary work zone devices, including portable barriers, manufactured after December 31, 2019, must have been successfully tested to the 2016 edition of MASH.

Washington State Department of Transportation is the lead agency for this pooled fund study. Texas A&M Transportation Institute (TTI) is the lead Principal Investigator and crash test site. A website is available to those interested in completed and ongoing research as well as the work plan for new inquiries.

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

The following tasks were completed in this quarter:

- Work continued on the following projects:
  1. T4541-EM: Multi-Directional Base Design for Steel Beam Non-Proprietary Large Sign Supports: Phase I
  2. T4541-ES: MASH 4-12 Evaluation of a Fence Mounted System for Attachments to Concrete Bridge Barrier
  3. T4541-EV: MASH Crashworthy Pedestrian and Small Traffic Signals
  4. T4541-EX: Buried-in-Backslope Terminal Variations in Foreslope, Backslope, and Ditch Configurations
  5. T4541-FC: Evaluation of a Four Bolt Slip Base for breakaway Luminaire Supports with Various Pole Configurations
  6. T4541-FD: Portable Sign Supports for Aluminum Signs with Variations on Mounting Height
  7. T4541-FE: MASH Test Level 3 Evaluation of a Shorter Thrie-Beam Approach Transition
  8. T4541-FH: Summary Report for Pooled Fund Program TPF-5(343)

### Anticipated work next quarter:

- Continue carrying out the research plan for testing projects approved at the Fall 2023 Roadside Safety Pooled Fund Annual Meeting.

### Significant Results:

--see below--.

**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).**

The researchers face a tight deadline and a pretty intensive schedule for the next 3 months or so in order to complete the portfolio of ongoing tasks and projects by the end of the year. Several meetings have been held with TTI and FHWA to identify the risks and opportunities the program faces as we close this important program and transition into the new [TPF-5\(501\) Roadside Safety Pooled Fund - Phase 3](#). TTI appears to be on track to complete the remaining work on active task orders by June 30, 2024. However, there is a good likelihood that the balance of uncontracted funds plus balance of unused amounts on task orders to date is expected to be in the range of about \$400,000. Following consultations with the FHWA the proposal to rollover these funds to the new TPF-5(501) Phase 3 program was tabled. There have been objections or comments thus far. If rolled over, these funds should become available to the new program in the 1<sup>st</sup> or 2<sup>nd</sup> quarter of 2025.

**Potential Implementation:**

Implementation ongoing following successful tests for MASH compliance.