TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT
2026-Q2

Lead Agency:
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.

Transportation Pooled Fund Program Project #	**Transportation Pooled Fund Program - Report Period:**
TPF-5(501)	☐Quarter 1 (January 1 – March 31) ☐Quarter 2 (April 1 – June 30) ☐Quarter 3 (July 1 – September 30) ☐Quarter 4 (October 1 – December 31)

TPF Title (follow link to TPF webpage)**:** **Roadside Safety Pooled Fund - Phase 3**

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Lead Agency Project ID: UCB 1969	**Other Project ID (i.e., contract #):** T-1969	**Program Start Date:** 2022-09-09 *
Original Project Start Date: 2022-09-09	**Original Project End Date:** 2027-09-08	**Updated project End Date:** N/A

* Actual project work started Apr 2023 once sufficient funds were obligated and agreements and contracts executed.

Project schedule status:

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

Main Program Statistics:

Commitments to date $ (5yrs)	Obligations to date $	% Obligated	Contracted to date $	Expended to date $	Expended to date %	Completed this quarter $
9,533,963	7,877,496	82.62%	7,236,745	3,090,257	42.70%	436,223

Supplementary Program Statistics:
(Projects paid for by individual states and contracted with the research agency under the program master agreement)**:**

Commitments to date $ (5yrs)	Obligations to date $	% Obligated	Contracted to date $	Completed to date $	Completed to date %	Completed this quarter $
791,463	791,463	100%	760,858	749,927	98.56%	166,158

Project Description:

The TPF-5(343) Roadside Safety Research for MASH Implementation pooled fund study expired in June 2024. Road to Zero has targeted a goal of zero deaths and serious injuries on our roadways. This strategic call to action and collaboration is built on the belief that not a single death is acceptable on our roadways. Every life matters. Unfortunately, recent trends indicate a continued increase in highway fatalities. Data (2017-2019) from the Fatal Analysis Reporting System (FARS) indicates that 45% of fatalities on the nation's roadways are a result of roadway departure crashes.

The objective of this TPF-5(501) Pooled Fund is to assist transportation agencies in achieving their Roadway Departure (RwD) related all state Strategic Highway Safety Plans (SHSPs) goals through development, evaluation and deployment of life-saving roadside safety devices and countermeasures in accordance with AASHTO and Federal Highway Administration (FHWA) adopted standards such as the Manual for Assessing Safety Hardware (MASH). It will also support continuation of MASH implementation in roadside hardware categories that have lagged in achieving MASH compliance (special barrier applications, sign supports, work zone traffic control devices, luminaire poles, etc.) due to various design and performance challenges and other related factors. These activities will directly support and impact state efforts to achieve Target Zero by helping reduce the frequency and severity of roadway departure crashes.

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

The Annual meeting took place in College Station, Texas on September 16-17, 2025 when problem statements for 2026 were voted on and prioritized. There were five recurring projects approved for continuation and nine research projects prioritized for execution in 2026.

The following new Task Orders were issued this quarter:

1. T1969-C8: Development and Evaluation of a MASH TL-3 Guardrail Gate
2. T1969-D1: MASH Evaluation of Guardrail Placement on Slopes - Phase 1
3. T1969-D2: Phase 3 Thrie-Beam Retrofit (TBR) Crash Testing of Phase 2 (MASH TL-4) Thrie-Beam Retrofit Design
4. T1969-D3: Shortened Thrie-Beam Approach Transition to Rigid Bridge Rail with Curb
5. T1969-D4: MASH Testing of Perforated Square Steel Tube Supported Metal Sign
6. T1969-D5: Deflection Guidance for Free-Standing PCB with Anchored End-Segments
7. T1969-D6: 2026 Travel and Meeting Assistance

Work continued on the following projects and tasks in this quarter:

1. T1969-AB: Optimized Guardrail Blockouts
2. T1969-AD: Barrier Deflections at Lower Impact Severities
3. T1969-AN: MASH TL-3 Enhancement of Short Radius Guardrail System (SRGS) in Front of 2:1 Slope – Phase 1
4. T1969-AO: MASH TL-3 Design, Testing, and Evaluation of a Flared Guardrail System – Phase 2
5. T1969-AP: Evaluation of Multi-Post Large Sign Supports with Slip Base and Slip Hinge
6. T1969-A3: Determine MASH TL-3 and/or TL-2 Compliance of the Midwest Guardrail System (MGS) with Reduced Post Spacing Near Curbs
7. T1969-A4: Determine MASH TL-3 and/or TL-2 Compliance of the Midwest Guardrail System (MGS) with Reduced Post Spacing Near Slopes

8. T1969-A5: Washington State I-90 Snoqualmie Pass Scupper Barrier Full-Scale Crash Testing – Phase 3
9. T1969-A9: An Exploration into Variation in Approach Guardrail Transition (AGT) to Rigid Barriers – Phase 2
10. T1969-B1: Design Variations of Short Radius Guardrail System
11. T1969-B2: Develop Guidance for MASH TL-3 Breakaway Sign Support Systems on Slopes
12. T1969-B4: Placement of Underground Obstructions Adjacent to Guardrail Posts
13. T1969-B5: Short-Post Midwest Guardrail System (MGS)
14. T1969-B6: Bridge Barrier to Guardrail Transition with Sidewalk for MASH TL-3
15. T1969-B7: Multi-Directional Large Sign Supports
16. T1969-B9: Flare Rates of Cast in Place Concrete Barriers at Low Impact Speeds
17. T1969-C1: 2025 Website and MASH Database Update Support
18. T1969-C2: Development and Evaluation of a MASH Breakaway Cast Aluminum Transformer Base
19. T1969-C3: 2025 Simulation Modeling Improvements and Updates
20. T1969-C4: 2025 Program Administration and Development
21. T1969-C5: 2025 Engineering Support Services and Recommendations for Roadside Safety Issues for Member States
22. T1969-C6: Development of Guidance for Short Radius Guardrail Use
23. T1969-C7: 2026 Program Administration & Development and Website & MASH Database Update Support
24. T1969-C9: MASH TL-3 Design, Testing, and Evaluation of a MGS Guardrail System on a Flare - Phase 3

Work was completed on the following projects:

1. T1969-AR: MASH Evaluation of Square Tubing Slip Base Sign Support Systems
2. T1969-B3: Bridging Gaps in Concrete Barriers – Phase 1

Anticipated work next quarter:

As more funds are received as expected, lead agency will be able to execute task orders for the priorities identified for 2026 all in all worth up to $2.1m.

Significant Results:

Per progress reports above.

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).

Timeous obligation of commitments made for 2026 will enable the program to continue at the healthy pace that it has maintained this current quarter.

Potential Implementation:

Implementation will follow successful tests for MASH Compliance.