

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Montana 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.

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|--|---|--|--|
| Transportation Pooled Fund Program Project # <i>(i.e., SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX))</i> TPF-5(444) | | Transportation Pooled Fund Program - Report Period: <input type="checkbox"/> Quarter 1 (January 1 – March 31) <input checked="" 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) | |
| Project Title: <ul style="list-style-type: none"> • Traffic Safety Culture – Phase 2 | | | |
| Name of Project Manager(s): Rebecca Ridenour | Phone Number: 406-444-7203 | E-Mail rridenour@mt.gov | |
| Lead Agency Project ID: 8882-444 | Other Project ID (i.e., contract #): 8882-444-17, 8882-444-18, 8882-444-19, 8882-444-20, 8882-444-21, 8882-444-22, 8882-444-23, 8882-444-24 | Project Start Date: TPF-5 (444)- Oct. 1, 2019 | |
| Original Project End Date: TPF-5 (444)- September 30, 2024 | Current Project End Date: TPF-5 (444)- September 30, 2024 | Number of Extensions: 1 | |

Project schedule status:

- On schedule
 On revised schedule
 Ahead of schedule
 Behind schedule

Overall TPF-5(444) Project Statistics:

| Total Project Budget | Total Cost to Date for Project | Percentage of Work Completed to Date |
|---|--------------------------------|--------------------------------------|
| \$1,180,746.50 (Total costs for all contracts) | \$854,640.45 | 65% |

Overall Project Statistics:

| Total Project Expenses and Percentage This Quarter | Total Amount of Funds Expended This Quarter | Total Percentage of Time Used to Date |
|--|---|---------------------------------------|
| \$65,615.12 and 5.56% | \$65,615.12 | 66% |

Total MDT IDCs for this quarter = \$8,908.08

TPF- 5(444)- Support Contract Project Statistics Year 5:

| Total Project Budget | Total Cost to Date for Project | Percentage of Work Completed to Date |
|----------------------|--------------------------------|--------------------------------------|
| \$112,172.00 Y4 & Y5 | \$95,687.58 Y5 | 80% Y5 |

Support Contract Quarterly Project Statistics:

| Total Project Expenses and Percentage This Quarter | Total Amount of Funds Expended This Quarter | Total Percentage of Time Used to Date |
|--|---|---------------------------------------|
| \$12,179.67 and 11% Y5 | \$12,179.67 | 85% Y5 |

*MDT IDCS for this quarter for Y5 = \$1,651.57,

TPF- 5(444)- Resources and Tools to Reduce Multi-Risk Driving Behaviors Statistics:

| Total Project Budget | Total Cost to Date for Project | Percentage of Work Completed to Date |
|----------------------|--------------------------------|--------------------------------------|
| \$305,229.50 | \$283,309.96 | 93% |

Resources and Tools to Reduce Multi-Risk Driving Behaviors Quarterly Project Statistics:

| Total Project Expenses and Percentage This Quarter | Total Amount of Funds Expended This Quarter | Total Percentage of Time Used to Date |
|--|---|---------------------------------------|
| \$21,919.54 and 6% | \$21,919.54 | 93% |

*MDT IDCS for this quarter for this project: 2,681.34

TPF- 5(444)- Resources and Tools to Improve Pedestrian Safety Statistics:

| Total Project Budget | Total Cost to Date for Project | Percentage of Work Completed to Date |
|----------------------|--------------------------------|--------------------------------------|
| \$244,519.00 | \$202,806.52 | 85% |

Resources and Tools to Improve Pedestrian Safety Quarterly Project Statistics:

| Total Project Expenses and Percentage This Quarter | Total Amount of Funds Expended This Quarter | Total Percentage of Time Used to Date |
|--|---|---------------------------------------|
| \$32,078.53 and 13% | \$32,078.53 | 83% |

*MDT IDCS for this quarter for this project: \$4,361.53

TPF- 5(444)- Understanding Aggressive Driving Phase 2 Statistics:

| Total Project Budget | Total Cost to Date for Project | Percentage of Work Completed to Date |
|----------------------|--------------------------------|--------------------------------------|
| \$247,573.00 | \$1,583.39 | 2% |

Understanding Aggressive Driving Phase 2 Quarterly Project Statistics:

| Total Project Expenses and Percentage This Quarter | Total Amount of Funds Expended This Quarter | Total Percentage of Time Used to Date |
|--|---|---------------------------------------|
| \$1,583.39 and 1% | \$1,583.39 | 1% |

*MDT IDCS for this quarter for this project: \$213.64

Project Description:

This program is a cooperative effort of participating state departments of transportation (DOTs) and other (traditional and non-traditional) organizations with a vested interest in traffic safety. This long-term partnership will support an evolving and integrated project portfolio developed and revised each year by the partners and will complement other related research activities. Together, these projects will accelerate the development and delivery of tools and services to transform the national, state, and community level traffic safety culture. The goal of this transformation is to support the Toward Zero Deaths (TZD) vision with sustainable traffic safety solutions.

In this context, the Montana Department of Transportation (MDT) is partnering with the Center for Health and Safety Culture (CHSC) at Montana State University to (1) conduct research to solve specific culture-based traffic safety problems, (2) create training and education materials to enhance workforce understanding and application of traffic safety culture methods, and (3) provide technology transfer of best practices in traffic safety culture methods to all stakeholders. Together, these efforts will support the transformation of traffic safety culture within the families, communities, and organizations of participating states.

This project is in phase 2; the first phase was TPF-5(309) Partnership for the Transformation of Traffic Safety Culture. The current phase will end September 30, 2024, and a Phase 3 solicitation (1621) is open for commitments.

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

May 2023

- Agenda
 - TPF Financial Update
 - Related Efforts – Relevant Information and Events
 - Active Project Updates
 - Traffic Safety Culture (TSC) Pooled Fund Study- Overview of the Past and Present
 - Traffic Safety Culture Pooled Fund Study Phase 3
 - Meetings
 - Action Items
- Major actions
 - Board members shared updates on any traffic safety related efforts they were involved with in their state or community.
 - CHSC provided updates on current projects.
 - CHSC provided an overview of the past and present TSC pooled fund study efforts.
 - MDT reminded folks to finalize their phase 2 FY2024 commitments.

Board Activities

- Review and approved of the February 2024 Meeting Notes.
- Discussed project ideas for the completion of Phase 2.
- Posted solicitation 1621 for Phase 3 on TPF website.

Program Fund Updates

As of June 30, 2024, states who have committed to funding this pooled fund are CT, GA, IA, ID, IL, KS, KY, LA, MI, MN, MS, MT, NV, TX, UT, VT, and WA. The participating states in the program have committed \$1,465,000.00 in funds over the five-year period. The commitments by organization can be found at <https://www.pooledfund.org/Details/Study/668>.

Contract Status***Traffic Safety Culture – Phase 2 Management Support (8882-444-17, 18, 21, 24, & 25)***

During this quarter, the CHSC staff provided support and helped facilitate the February quarterly meeting. CHSC sent out the WebEx invites, worked with MDT on agenda development, recorded the meeting, and took meeting notes. Meeting notes for the quarterly meeting were sent to MDT for distribution and posting to the TPF website. CHSC developed the quarterly report for January through March for MDT and the board's review, which has been posted to

the TPF website. The Center staff provided feedback on the Phase 3 solicitation and began preparing promotional materials for Phase 3. MDT and CHSC set a date for a Phase 3 promotional webinar, scheduled webinar, and promoted the webinar through various distribution methods.

Resources and Tools to Reduce Multi-Risk Driving Behaviors (8882-444-20)

During this quarter, the CHSC team completed data analysis of the random control trial, drafted Tasks 3 and 4 report, and developed a resource for practitioners. The draft final report and resources were submitted to MDT for review on June 28th, 2024.

Resources and Tools to Improve Pedestrian Safety (8882-444-22)

During this quarter, the CHSC team worked on Task 3 to develop a toolkit of tools and resources based on what was learned in Task 1 and Task 2 of this project. The CHSC team submitted the draft Task 3 report and toolkit,

Understanding Aggressive Driving and Ways to Reduce It – Phase 2 (8882-444-26)

The Center for Health and Safety Culture (CHSC) was chosen by the board to expand the research completed in Phase 1 by developing and testing one or more strategies to engage bystanders to discourage aggressive driving. CHSC will also develop and test media messaging to reduce aggressive driving behavior. The contract authorizes CHSC to conduct research from May 2024 to March 2026. This is a cost reimbursement contract with a total budget of \$247,573.00. The following is a list of tasks the Center will perform under this contract:

- Task 0: Project Management
- Task 1: Develop Strategies to Support Bystanders in Intervening to Reduce Aggressive Driving Behavior
- Task 2: Test Bystander Engagement Strategies
- Task 3: Develop and Test Media Messages
- Task 4: Provide Recommendations and Resources and Complete Final Report

During this quarter, the CHSC team started this project in late May. The team met to review the project plan and began planning for bystander interviews which is a part of Task 1.

Anticipated work next quarter:

Meetings

Program Support Contract (8882-444-25)

- Host the August quarterly meeting, create the agenda, and take meeting notes.
- Conducted monthly meetings and check ins with MDT.
- Promote Phase 3 solicitation
- Prepare proposals for any requested projects.

Contract Status

Resources and Tools to Reduce Multi-Risk Driving Behaviors (8882-444-20)

- The team will revise the final report based on board feedback and will complete the remaining deliverables including: a PowerPoint presentation, poster, and final webinar.

Resources and Tools to Improve Pedestrian Safety (8882-444-22)

- The CHSC team will revise the Task 3 Report and toolkit based on board feedback and will begin Task4,

Understanding Aggressive Driving and Ways to Reduce It – Phase 2 (8882-444-26)

- The CHSC team will continue to work on Task 1 and plans to complete interviews by the end of the quarter. The team will also start working on Task 3 to Develop and Test Media Messages.

Board Activities

- Attend the quarterly meeting in August.
- Promote Phase 3 of the TSC Pooled Fund.
- Review final report and provide comments for the Resources and Tools to Reduce Multi-risk Driving Behaviors project.
- Work with CHSC to develop project ideas for the completion of Phase 2.

Significant Results:

- The CHSC team shared results of the randomized control trial for multiple risky driving behaviors in the final report. While the overall statistical tests on the outcomes of interest were non-significant due to small sample size, participants were able to utilize strategies to address risky driving behaviors. Further, utilization of strategies was maintained through follow-up three months later and participants provided reflections that demonstrated increased emotion regulation and awareness while driving. Together, these results provide promising evidence for engaging young adult drivers in efforts to address multiple risky driving behaviors through emotion regulation in general and utilization of specific strategies for particular behaviors.

Circumstances 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).

Potential Implementation: None currently.