

## 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.*

<b>Transportation Pooled Fund Program Project #</b> <i>(i.e., SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX))</i>  TPF-5(309) and TPF-5(444)		<b>Transportation Pooled Fund Program - Report Period:</b> <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)	
<b>Project Title:</b> <ul style="list-style-type: none"> <li>Partnership for the Transformation of Traffic Safety Culture</li> <li>Traffic Safety Culture – Phase 2</li> </ul>			
<b>Name of Project Manager(s):</b> Rebecca Ridenour		<b>Phone Number:</b> 406-444-7203	
<b>E-Mail</b> rridenour@mt.gov			
<b>Lead Agency Project ID:</b> 8882-309, 8882-444		<b>Other Project ID (i.e., contract #):</b> 8882-309-01, 8882-309-02, 8882-309-03, 8882-309-04, 8882-309-05, 8882-309-07, 8882-309-08, 8882-309-09, 8882-309-10, 8882-309-11, 8882-309-12, 8882-309-13, 8882-309-14, 8882-309-15, 8882-309-16, 8882-444-17, 8882-444-18, 8882-444-19, 8882-444-20, 8882-444-21, 8882-444-22, 8882-444-23	
<b>Project Start Date:</b> TPF-5 (309)- Oct. 1, 2014  TPF-5 (444)- Oct. 1, 2019			
<b>Original Project End Date:</b> TPF-5 (309)- September 30, 2019 TPF-5 (444)- September 30, 2024		<b>Current Project End Date:</b> TPF-5 (309)- December 31, 2021 TPF-5 (444)- September 30, 2024	
		<b>Number of Extensions:</b> 6 0	

Project schedule status:

On schedule     
  On revised schedule     
  Ahead of schedule     
  Behind schedule

**Overall TPF-5(309) Project Statistics:**

Total Project Budget	Total Cost to Date for Project	Percentage of Work Completed to Date
\$1,092,283.00 (Total costs for all contracts)	\$1,060,221.68	100%

**Overall 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 and 0%	\$0.00	100%

Total MDT IDCs for this quarter = \$0.00

**Overall TPF-5(444) Project Statistics:**

Total Project Budget	Total Cost to Date for Project	Percentage of Work Completed to Date
\$745,362.50 (Total costs for all contracts)	\$375,072.92	50%

**Overall Project Statistics:**

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
\$72,797.92 and 10%	\$72,797.92	50%

Total MDT IDCs for this quarter = \$9,823.89

**TPF- 5(444)- Support Contract Project Statistics Year 3:**

Total Project Budget	Total Cost to Date for Project	Percentage of Work Completed to Date
\$20,955.00 Y3	\$17,573.56 Y3	94% Y3

**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
\$2,942.70 and 15%Y3	\$2,942.70	84% Y3

\*MDT IDCs for this quarter for Y3 = \$398.99

**TPF- 5(444)- A Review of Methods to Change Beliefs Statistics:**

Total Project Budget	Total Cost to Date for Project	Percentage of Work Completed to Date
\$77,910.00	\$77,910.00	100%

**A Review of Methods to Change Beliefs 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 and 0.00%	\$0.00	100%

\*MDT IDCs for this quarter for this project: \$0.00

**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
\$212,653.00	\$136,537.52	59%

**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
\$20,457.14 and 10%	\$20,457.14	64%

\*MDT IDCs for this quarter for this project: \$2,242.35

**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	\$65,689.16	17%

**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
\$24,648.59 and 16%	\$24,648.59	26%

\*MDT IDCs for this quarter for this project: \$5,640.12

**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
\$119,807.00	\$24,759.49	17%

**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
\$24,749.49 and 21%	\$24,749.49	21%

\*MDT IDCS for this quarter for this project: \$1,542.45

**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.

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

Meetings

August 17<sup>th</sup>

- Agenda
  - TPF Financial Update
  - Related Efforts – Relevant Information and Events
  - Tips to Grow Traffic Safety Culture: Raising Hope and Concern
  - Recently Completed and Active Project Updates
  - Pending Projects
  - 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 reviewed the request to increase incentives for the Resources and Tools to Reduce Multiple Risky Driving Behaviors project.

Board Activities

- Reviewed and approved the May meeting notes.
- Continued process of requesting funds for FFY2020-2024 TPF solicitation.
- Reviewed and provided comments on the Task 2 Report for the Resources and Tools to Reduce Multiple Risky Driving Behaviors project.
- Voted to approve the increase to the incentives for Resources and Tools to Reduce Multiple Risky Driving Behaviors project.
- Met to discuss in-person meeting options.

### Program Fund Updates

TPF-5(444) As of September 30, 2022, there are 17 participating states in the Transportation Pooled Fund (TPF) Program. They are CT, GA, IA, ID, IL, KS, KY, LA, MI, MN, MS, MT, NV, TX, UT, VT, and WA. The 18 states participating in the program have committed \$1,430,000.00 in funds over the five-year period. The commitments by organization can be found at <https://www.pooledfund.org/Details/Study/668>.

### Contract Status

#### **TPF-5 (444)- Traffic Safety Culture – Phase 2 Management Support (8882-444-17, 18, & 21)**

The Center for Health and Safety Culture (CHSC) was chosen by the board as the support agency and will provide overall, ongoing, Pooled Fund support to program management, the program participants, and the TSC TPF Board. Contracts 8882-309-17, 18, & 21 are for support services from January 1, 2020, until October 31, 2022. This is a cost reimbursement contract with a total budget of \$54,805.00. This quarter, CHSC submitted a proposal for FY22 support work and MDT chose to modify this current contract to include FY22. FY22 contract number is 8882-444-21. The new end date of this contract is October 31, 2022. This amendment included \$20,955.00 of additional funding. The progress schedule for FY22 (Year 7) is below. The following is a list of tasks the Center will perform for the program in FY22.

- Task 1: Meeting Support
- Task 2: Report Writing Support
- Task 3: Support Outreach and Awareness
- Task 4: Support Work Plan and Project Development

During this quarter, CHSC staff provided support and helped facilitate the August 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. CHSC developed the quarterly report for July through September for MDT and the board's review. CHSC worked with MDT to prepare the FFY23 contract for Management Support to include in-person meeting costs.

### Progress Schedule Status

Activity	Percent Complete	Year 7 - Month											
		Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Task 1: Meeting Support	92%	X	X	X	X	X	X	X	X	X	X	X	
Task 2: Report Writing Support	100%		X			X			X			X	
Task 3: Support Outreach and Awareness	92%	X	X	X	X	X	X	X	X	X	X	X	
Task 4: Support Work Plan and Project Dev.	92%	X	X	X	X	X	X	X	X	X	X	X	

#### **TPF-5 (444)- A Review of Methods to Change Beliefs (8882-444-19)**

The Center for Health and Safety Culture (CHSC) was chosen by the board to conduct a narrative literature review to understand how belief change can result in changed behaviors. Based on the literature review, the research team developed a resource to guide stakeholders in developing and implementing effective strategies to change beliefs that define traffic safety culture and influence road user behavior. The contract authorized CHSC to conduct research from March 15, 2021- May 31, 2022. This was a cost reimbursement contract with a total budget of \$77,910.00. The following is a list of tasks the Center will perform under this contract:

- Task 0: Project Management
- Task 1: Literature Review
- Task 2: Resource Development
- Task 3: Create Dissemination Resources and Complete Final Report

The deliverables for this contract included quarterly reports, task reports, tools for stakeholders to assess potential effectiveness, PowerPoint slides, webinar, poster, and the final report.

This project has been completed.

**TPF-5 (444)- Resources and Tools to Reduce Multi-Risk Driving Behaviors (8882-444-20)**

The Center for Health and Safety Culture (CHSC) was chosen by the board to seek to address the gap between how to address impulsivity and the underlying beliefs and behaviors of individuals engaging in multiple risky driving behaviors by creating and testing an intervention designed to address traffic impulsivity to improve driver behaviors. The contract authorizes CHSC to conduct research from March 25, 2021, to March 31, 2024. This is a cost reimbursement contract with a total budget of \$229,590.50. CHSC requested an increase to the total intervention incentives, which was approved by the board on September 9, 2022. The total budget for the project was increased by \$16,937.50. The following is a list of tasks the Center will perform under this contract:

- Task 0: Project Management
- Task 1: Literature Review
- Task 2: Content Development of Brief Intervention
- Task 3: Test Brief Intervention
- Task 4: Create Resources and Complete Final Report

The deliverables for this contract include quarterly reports, task reports, guidance resource, PowerPoint slides, webinar, poster, and the final report.

During this quarter, CHSC used what was learned about the intervention from the pilot testing interviews with college students to refine the intervention. An online platform called CIAS was selected to build the intervention, and CIAS will also be used to administer the intervention. The CIAS platform is specifically designed for digital behavioral health interventions. Through the building process, CHSC is learning that the personalized nature of the intervention is a complex build in CIAS and is taking significantly longer to create in CIAS than originally forecasted. Additionally, in this quarter, we sought permission from the Office of Planning and Analysis to obtain a sample of 2,000 student emails for this study. We submitted this request in August, and despite following up on this request, we are still waiting to hear if we will be granted the requested email recruitment list. Given these delays, we have not yet submitted this research project for IRB approval. The original goal was to start recruiting students for the study in early October to avoid the upcoming holidays and student finals, but given the current delays, we will not reach this target and have decided to push the recruitment start to Jan. 15, 2023. This may require a delay in the project timeline.

Progress Schedule (Table will be extended to include July through October 2023 in the future)

Activity	Percent Complete	2021-2023																										
		Apr	Ma	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Ma	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Task 0: Project Management	53%	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
Task 1: Literature Review	100%	X	X	X	X	X	X	X	X	X																		
Task 2: Content Dev. for Intervention	100%										X	X	X	X	X	X	X											
Task 3: Test Intervention	40%																X	X	X									
Task 4: Resources and Final Report	0%																											

**TPF-5 (444)- Resources and Tools to Improve Pedestrian Safety (8882-444-22)**

The Center for Health and Safety Culture (CHSC) was chosen by the board to seek to develop resources to assess and grow beliefs among stakeholders to support the deployment of effective strategies to improve pedestrian safety. The project will result in the creation of tools to increase beliefs supportive of pedestrian safety strategies. The contract authorizes CHSC to conduct research from April 28, 2022, to April 30, 2025. This is a cost reimbursement contract with a total budget of \$244,519.00. The following is a list of tasks the Center will perform under this contract:

- Task 0: Project Management
- Task 1: Literature Review and Formative Interviews
- Task 2: Understand the Culture of Pedestrian Safety
- Task 3: Create Tools to Grow Beliefs Supportive of Pedestrian Safety Strategies
- Task 4: Complete Final Report

The deliverables for this contract include quarterly reports, task reports, PowerPoint slides, webinar, poster, and the final report.

During this quarter, the CHSC continued work on the literature review and created an interview protocol for the formative interviews.

Progress Schedule (Table will be extended to include July through October 2024-2025 in the future)

Activity	Percent Complete	2022-2025																										
		Apr	Ma	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Ma	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Task 0: Project Management	17%	X	X	X	X	X	X																					
Task 1: Literature Review	65%	X	X	X	X	X	X																					
Task 2: Understand Culture	0%																											
Task 3: Create Tools	0%																											
Task 4: Final Report	0%																											

**TPF-5 (444)- Understanding Aggressive Driving and Ways to Reduce It – Phase 1 (8882-444-23)**

The Center for Health and Safety Culture (CHSC) was chosen by the board to seek to develop resources to help traffic safety stakeholders guide decision making and conversations about aggressive driving. The contract authorizes CHSC to conduct research from July 6, 2022, to April 30, 2024. This is a cost reimbursement contract with a total budget of \$119,807.00. The following is a list of tasks the Center will perform under this contract:

- Task 0: Project Management
- Task 1: Literature Review
- Task 2: Survey Development
- Task 3: Create Resources and Complete Final Report

The deliverables for this contract include quarterly reports, task reports, PowerPoint slides, webinar, poster, and the final report.

During this quarter, CHSC worked on the literature review. They collected articles and began systematically searching for literature on interventions to address Aggressive Driving.

Progress Schedule

Activity	Percent Complete	2022-2024																							
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Ma	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr		
Task 0: Project Management	14%	X	X	X																					
Task 1: Literature Review	25%	X	X	X																					
Task 2: Survey Dev.	0%																								
Task 3: Resources and Final Report	0%																								

**Anticipated work next quarter:**

Meetings

*Program Support Contract (8882-444-21)*

Quarterly meeting on Nov 16<sup>th</sup>

- Set up Web-Ex meeting information.
- Provide meeting logistics and notes.
- Discuss in-person meeting options.

Contract Status

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

- Complete the build of the intervention in CIAS.
- Submit interview protocol for the Intervention.
- Secure approval for access to a list of student emails for study recruitment.

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

- Create the interview protocol for the formative interviews and submit to Institutional Review Board (IRB).
- Complete the formative interviews.
- Begin finalizing the Task 1 Report.

*Understanding Aggressive Driving and Ways to Reduce It – Phase 1 (8882-444-23)*

- Draft Task 1 Report.

Board Activities

- Decide the timing of the in-person meeting.

**Significant Results:**

- None in this quarter.

**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).**

- See quarterly report for Resources and Tools to Reduce Multiple Risky Driving Behaviors project. CHSC will reach out to MDT when they have a better understanding of the new timeline for the intervention.

**Potential Implementation: None** currently.