TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Colorado 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 # *(i.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX)* TPF-5(497) and TPF 5(337)	**Transportation Pooled Fund Program - Report Period:** ☑ Quarter 1 (January 1 – March 31) ☐ Quarter 2 (April 1 – June 30) ☐ Quarter 3 (July 1 – September 30) ☐ Quarter 4 (October 1 – December 31)	
Project Title: Transportation Avalanche Research Pool (TARP)		
Name of Project Manager(s): David Reeves, Jamie Yount	**Phone Number:** 303-757-9518	**E-Mail** david.reeves@state.co.us
Lead Agency Project ID: WBS 25075.06.01	**Other Project ID (i.e., contract #):**	**Project Start Date:** April 2022
Original Project End Date: 12/31/2027	**Current Project End Date:** 12/31/2027	**Number of Extensions:** 0

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
$270,000 (39,847 Encumbered)	$0	0%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
n/a	n/a	n/a

Project Description:

The Transportation Avalanche Research Pooled fund (TARP) was set up to support collaborative research efforts in the field of avalanche hazard assessment and mitigation, with the goal of improving the safety, efficiency, and quality of control efforts, along with providing better information gathering and analysis techniques and seamless integration of new technologies to further these goals. The participation of many transportation related agencies in this study will also further cooperation in this industry, leading to improved future development of beneficial technologies and improved sharing of information and avalanche data, greatly furthering the safety, efficiency, and quality of the work done in this field for all relevant agencies. TARP 2.0 is a continuation of the original TPF 5(337) with most of the same members and a couple of new ones.

Currently there are no projects as this TPF was just awarded in April 2022 and states are still transferring us their FY22 and now FY23 commitments. There is a UAV white paper with University of Wyoming but it is still in the contract negotiations.

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

- Monthly meetings to exchange ideas and best practices on the first Thursday of every month. This period we had a meeting on 01/05/2023, 2/2/2023, 3/9/2023, 4/6/2023 and 5/4/2023.

Quarterly progress reports for each project are delivered as separate documents and available on on the shared Google Drive folder that TAC members have access to.

This last quarter TAC members brainstormed new ideas while wrapping up projects under TARP 1.0.
TARP members are also encouraged to go to a face-to-face meeting in conjunction with ISSW in Bend, Oregon October 8-13. TARP has reserved a room for Sunday afternoon on October 8th, 2023.

Unfinished Business:
- Voting - Recent conversations have been to just leave the voting as is. Affiliate members (non-voting the ones that contribute $5k per year) seem to be happy with how things are going.
- Proposal & problem statement evaluations - We are still collecting problem statements

TARP 1 Project updates - TPF 5(337):
- BGC is working on the final report for the performance metric and an ISSW abstract was submitted
- Still need a final report from Kevin Hammonds on the LIDAR project. He has been reminded and is working on it.

Anticipated work next quarter:

Continue to brainstorm research ideas to for TARP 2. Use the Problem Statement submittal form that is available here: https://docs.google.com/document/d/1-AqOyjBVqNKFofDNcWaA4em4_oHT1y7q/edit

New Business:
- Elect a chair and co-chair - It has been proposes that TARP elect a Chair and Co-chair for a term of 1yr as chair and then the co-chair would move into the chair role for 1 year. The chair would be responsible for organizing and leading the conference calls. CDOT would still be the lead state and handle the contracts but the TARP members would take a bigger role in guiding the conversation.
- Identify 3-4 most pressing needs facing our group in the next phase of TARP although open for discussion and the in person meeting in May would be a good opportunity to brainstorm.
- ISSW Bend Oregon - During the April meeting, ISSW was discussed and having an in person TARP meeting since most of our organizations will be in attendance. TARP could pay for travel for 1 person from each of the members (Full members & Affiliate). A meeting room for Sunday Oct 8 from 1pm-5pm has already been reserved. Our thought is that we could use some of the remaining TARP 1 funds for the meeting room, airfare and 1-2 nights of lodging. We can't pay for conference registration. In the May in person meeting TARP TAC will vote on this. Initial thoughts are to have a short closed door TARP business meeting and then have an open door meeting to highlight some of our previous and future work.

Significant Results:

n/a

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).

None

Potential Implementation: