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(380) Project 1 - Pooled Fund Management	**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: Autonomous Maintenance Technology (AMT)		
Name of Project Manager(s): David Reeves	**Phone Number:** 303-757-9518	**E-Mail** david.reeves@state.co.us
Lead Agency Project ID: TPF-5380-01	**Other Project ID (i.e., contract #):** PO 411017954	**Project Start Date:** 8/14/2018
Original Project End Date: 12/31/2022	**Current Project End Date:** 12/31/2022	**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
$71,700	$ 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
$0	N/A	N/A

Project Description:

The Colorado Department of Transportation (CDOT) has helped to develop a first-of-its kind work zone vehicle designed to advance safety for roadway maintenance crews. Customarily positioned behind road construction crews in order to protect workers from the traveling public, the Autonomous Impact Protection Vehicle (AIPV) increases work zone safety by removing the driver from a truck that is actually designed to be hit. The objective of the Autonomous Maintenance Technology (AMT) Pool Fund is to develop, demonstrate and refine the AIPV in preparation for its wide-spread deployment nationwide in DOT maintenance operations.

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

Significant progress in 3Q18 include:

• Administration Contract in place with CSU
• Monthly meetings scheduled for the last working Thursday each month via Zoom
• AMT represented at the AWPA and ARTVA Conferences; AIPV presented
• Addition of Virginia DOT to the Pool Fund brings membership to ten states
• AMT Mission Statement and Operations Document adopted
• AMT Research Problems Statement Template was adopted for use
• Google Team Drive created for Technical Advisory Committee collaboration
• AMT website located at http://www.csits.colostate.edu/autonomous-maintenance-technology.html
• Working groups are being populated : Specification; Project (Proposal development); Systems Engineering and Integration; Outreach; Training; Legislative

Anticipated work next quarter:

Anticipated work for Q4 2018 includes:
• Continued monthly meetings
• State status report on the status of each state in adopting AIPV
• Project Development RFP drafts

Significant Results:

The administrative contract is the only contract at this time. Results are indicated in the quarterly significant progress category for this time-period.

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).

As this is a newly formed Pool Fund, no challenges have yet been identified.

Potential Implementation: