TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Colorado DOT

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(441)	**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: No Boundaries Roadway Maintenance Innovations		
Name of Project Manager(s): David Reeves & Tyler Weldon	**Phone Number:** 303-512-5503	**E-Mail** Tyler.Weldon@state.co.us
Lead Agency Project ID: R6.3-TPF-5(441)	**Other Project ID (i.e., contract #):** PO 431006609	**Project Start Date:** 10/27/2020
Original Project End Date: 10/27/21	**Current Project End Date:** 10/27/21	**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
$174,392.00	$15,321.69	9%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
$15,321.69 and 100%	$15,321.69	18%

Project Description:

No Boundaries Roadway Maintenance Practices transportation pooled fund program is sponsored by the Federal Highway Administration and is led by Colorado Department of Transportation (CDOT). Increasingly, state departments of transportation (DOTs) are challenged to maintain highway facilities to fluctuating budgets, policies and unknown future issues. Maintenance is a long-term activity to extend the life of highways. One of the strategies for achieving longer life facilities is to use innovative maintenance technologies and practices.

No Boundaries is a vital partner in connecting DOT maintenance professionals. By bringing together peers from transportation agencies across the nation and allowing sharing through a variety of channels—face-to-face peer exchanges, technical tours, online clearinghouse database, news distributions, and national partnerships—No Boundaries provides a network that accelerates the transfer of good ideas. This reduces duplication of effort, supports collaboration, and hastens the implementation of maintenance best practices. No Boundaries further fosters collaboration within the transportation community, academia and industry to implement innovative transportation maintenance technologies.

The scope of work is divided into five Task Areas, A through E.

A. General: staffing and management, updating the operations and procedures manual, and required recordkeeping.

B. Administration: creation of quarterly reports, budget and invoicing, monitoring and coordination of funding transfer among member states, technical advisory committee meeting (TAC) meetings and peer exchanges, and development and revision of the No Boundaries innovation database.

C. Communication: correspondence with TAC members and regular meetings, and creation and delivery of maintenance

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

A. General
--Updated the procedures manual.
--Facilitated selection of new TAC chair (Tyler Weldon) and Vice-chair (Doug Gruver).

B. Administration
--Held TAC meetings on November 17, 2020 (kickoff meeting) and December 16, 2020.
--Began planning for a TAC Peer Exchange in February and March, including scheduling and identifying topics.
--Maintained information about commitments, transfers and overall budget for the pooled fund.
--Identified a subcommittee to begin discussions and planning for the innovations database.
--Established relationship with FHWA liaison to the pooled fund study, Tony Nieves Torres, FHWA Office of Infrastructure.

C. Communication
--Began writing and sending weekly emails, featuring individual news items on research, events, and program announcements, to the No Boundaries email distribution list starting November 16, 2020.

D. Research
--Identified the roundtable discussion at the February/March TAC Peer Exchanges (Task Area B), a method to begin developing synthesis research.
--Identified the Innovation Database (Task Area B) part of the larger effort to identify innovations.

E. Marketing and Recruitment
--Updated the No Boundaries website sitewide with new information, including new study name and member contacts and

Anticipated work next quarter:

None. This phase of the pooled fund study is complete.
A. General
--Conduct ongoing management and recordkeeping.

B. Administration
--Prepare for, conduct and document the virtual two-part Peer Exchange on February 18 and March 2, 2021.
----Scheduling, agenda development, guest participants and speakers, and meeting facilitation.
--Reach out to all TAC members and funding contacts regarding transfers and payments for FFY20 and commitments and/or transfers and payments for FFY2021.
--Conduct kickoff meeting of Innovations Database Subcommittee meeting, scheduled for January 26, 2021, and perform follow-up steps as identified.

C. Communication
--Continue sending weekly news emails to the No Boundaries email distribution list.

D. Research
--Initiate synthesis discussions in Peer Exchange events (see Task B)
----Coordinate MnDOT sharing findings of its synthesis on mowing and spraying to the TAC.

E. Marketing and Recruitment
--Update No Boundaries website with latest program information.
--Compile a list of technical sessions and papers related to maintenance at the 2021 TRB Annual Meeting, which includes lectern, workshop and poster sessions.
--Attend targeted maintenance meetings at the 2021 TRB annual meeting and report on relevant research and partnership opportunities.
----Where possible, CTC, DW Clonch and TAC members will promote the No Boundaries pooled fund at committee

Significant Results:

See Progress this Quarter section.

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:

This project provides a forum for State DOTs to share their maintenance innovations with each other, support technology transfer activities and develop marketing and deployment plans for the implementation of selected innovations. Innovative products, practices and policies that CDOT and other member DOTs learn about can be readily be tried in the field, piloted and implemented. Members can call upon one another for further information, support and guidance. Such implementation among member states has been documented since No Boundaries' inception, and it is expected to continue.

Moreover, the project's next-generation database and associated innovation communication tools, now in development, is expected to serve as a hub where innovations and research related to highway maintenance can be found and showcased.

FHWA, industry and others (domestic and international) will are invited to participate in the project discussions and activities by presenting or demonstrating innovations. No Boundaries members also attend regional state and national meetings and serve as liaisons with national committees (notably AASHTO and TRB). Further implementation of maintenance innovations among such partners beyond state DOTs is fostered through these relationships.