

TRANSPORTATION POOLED FUND PROGRAM

QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Colorado Department of Transportation

INSTRUCTIONS:

Lead Agency contacts 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>(i.e., SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX)</i> TPF-5(441)	Transportation Pooled Fund Program - Report Period: <input type="checkbox"/> Quarter 1 (January 1 – March 31) <input type="checkbox"/> Quarter 2 (April 1 – June 30) <input type="checkbox"/> Quarter 3 (July 1 – September 30) <input checked="" type="checkbox"/> Quarter 4 (October 1 – December 31)	
TPF Study Number and Title: TPF-5(441) No Boundaries Maintenance Innovations		
Lead Agency Contact: James Fox	Lead Agency Phone Number: 720-241-6309	Lead Agency E-Mail james.fox@state.co.us
Lead Agency Project ID: R6.3 - TPF-5(441)	Other Project ID (i.e., contract #): PO 431009297 (expires 9/1/25)	Project Start Date: 9/30/2020
Original Project Start Date: 9/30/2020	Original Project End Date: 12/30/2025	If Extension has been requested, updated project End Date: Click or tap to enter a date.

Project schedule status:

<input checked="" type="checkbox"/> On schedule	<input type="checkbox"/> On revised schedule	<input type="checkbox"/> Ahead of schedule	<input type="checkbox"/> Behind schedule
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Overall Project Statistics:

Total Project Budget	Total Funds Expended This Quarter	Percentage of Work Completed to Date
\$960,000.00	\$18,845.97	87%

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 record keeping.

B. Administration: creation of quarterly reports, budget and invoicing, monitoring and coordination of funding transfer among member states, and technical advisory committee meeting (TAC) meetings and peer exchanges.

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

D. Research and innovation: quick-turnaround synthesis research, innovation database development and launch, and innovation database support.

E. Marketing and recruitment: solicitation of new members, marketing (website updates and upkeep, program brochures, innovation one-sheets, and a marketing plan), and partnership and liaison opportunities.

Progress this Quarter

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

A. General

- Conducted work in categories A-E below identified on Task Order 4.
- Conducted ongoing management and record keeping.
- Updated membership roster, including updated technical and research staff from member states.

B. Administration

- Planned and facilitated a TAC meeting on December 17, 2024 and documented in detail for members.
- Worked with TAC members to determine a host for the spring 2025 in-person meeting, which will be held in Portland, ME from April 29-May 1, 2025.
- Kept budget and tracking spreadsheets up to date; worked with CDOT to address missing transferred funds.

C. Communication

- Continued writing and sending weekly emails, featuring individual news items on research, webinars, events, and program announcements, to the No Boundaries email distribution list.
- Coordinated quick-turnaround surveys and forwarded formal surveys at individual members' and outside researchers' requests.
 - Using barracks in times of emergencies – SC DOT
 - Information on WorkShield warning lights – Caltrans
 - Federal funding for performance based contracts – MD DOT
 - Attenuators on lighter vehicles – CO DOT
 - LED STOP / SLOW paddles with LED color – NYS DOT
 - Survey on internal sign fabrication capabilities – VT AOT
- Communicated with individual members to fulfill information requests.

D. Research and Innovation

- Continued collecting/creating innovations for the innovations database.

E. Marketing and Recruitment

- Updated website with new program information.

Anticipated work next quarter:

A. General

- Conduct ongoing management and record keeping.
- Develop, draft and finalize a fourth amendment to Task Order 4.

B. Administration

- Plan and hold a Steering Committee meeting on February 24, 2025.
- Begin planning for a hybrid in-person/virtual TAC Peer Exchange the week of April 28, 2025 in Portland, ME.
 - Planning will include updating the meeting agenda, guest presentations and technical site visit details. Other meeting logistics will include finding and contracting with a hotel for guest rooms and meeting space and booking member flights.
- Work with CDOT on financials as the current phase of the pooled fund comes to an end.

C. Communication

- Continue writing and sending weekly news emails to the No Boundaries email distribution list.
- Coordinate quick-turnaround surveys and forward formal surveys at individual members' and outside researchers' request.
- Onboard new TAC members and new No Boundaries member agencies as needed.

D. Research

- As funds allow, summarize member's quick-turnaround surveys results and post them on the State of the Practice web page.
- Continue collecting/creating innovations to add to the innovations database.

E. Marketing and Recruitment

- Update No Boundaries website with latest program information.
- Identify opportunities for presenting on No Boundaries at other national meetings.

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 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 be 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.