

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

for

TPF-5(522) National Partnership to Improve the Quality of Pavement Preservation Treatment Construction & Data Collection Practices (PG3)

Lead Agency: Minnesota Department of Transportation

Transportation Pooled Fund Program Project # TPF-5(522) https://pooledfund.org/Details/Study/754		Report Period: 2025 - Quarter 3 July 1 – September 30, 2025
Project Title: National Partnership to Improve the Quality of Pavement Preservation Treatment Construction & Data Collection Practices (PG3) Project Website being determined (Not fully developed yet add) This pooled fund is the third pooled fund looking at the effectiveness of preservation treatments. “PG1” led by Alabama DOT and “PG2” led my Minnesota DOTNRRRA quarterly reports for Phase-I and Phase-II are being combined because of existing projects in phase-I that are still ongoing and still pertain to the NRRRA efforts that are being done in phase-II. Both websites will be updated with the same quarterly report. Individual budgets are attached to this quarterly report for both efforts.		
Project Manager(s): Joel Ullring (MnDOT) Debbie Walker (FHWA)	Phone Number: 651-366-5432 202-493-3068	E-Mail joel.ullring@state.mn.us deborah.walker@dot.gov
Pooled Fund Start Date: January 1, 2024	Pooled Fund End Date: December 31, 2029	Duration: 5 years
Contracted Contractors: Auburn University National Center Pavement Preservation	Contract (MnDOT #): 1055574 1055609	Contractor Start/End Date: 3/8/2024 – 12/31/2028 3/15/2024 – 12/31/2028
Auburn University National Center Pavement Preservation	Number of Extensions: 0 0	Extension Date: NA NA

Project schedule status ☐ On schedule

Phase – 1 TPF-5(522) Overall Project Statistics:

Total Project Budget	Total Costs obligated to Date for Project	Percentage of Time and Funding Completed to Date
Total Funding Expected (based on agency discussion) \$4,710,000 SPR (522) agency obligations (Pooled Fund Website / MnDOT) \$3,530,000 SPR (375) Rollover (estimated) \$0	Overall \$1,965,060.32 Auburn University \$684,944.18/\$1,712,362.95 40.0% paid National Center for Pavement Preservation \$1,280,116.14/\$2,446,937.00 (includes Agency Travel) 52.3% paid	Pooled Fund 21/60 months = 35.0% Contracts 21/48 months = 43.8%

Project Description:

The use of the right pavement preservation (PP) treatment at the right time on the right road can improve the condition level and extend the service life of a pavement structure. When properly applied or constructed, they optimize performance of the pavement. By monitoring the timing, placement, and performance of PM treatments through applied research, the optimal timing for placement can be determined and performance grading specifications developed, improving overall pavement performance.

This pooled-fund study will support state highway agencies (SHAs) and other Local Public Agencies (LPAs) by improving the application and quality of PP treatments on their pavements under live traffic conditions. The study will also provide guidance and funding to SHAs and LPAs in an effort to standardize or harmonize treatment strategies, address implementation efforts, and develop best construction practices utilizing their existing specifications or available AASHTO standards. For the study to be valuable, documentation of pretreatment pavement condition is critical along with monitoring of post treatment performance. The study will use established and proven data collection procedures such as those from the Long-Term Pavement Performance (LTPP) program to monitor the PM treatments. This data will be available to the public through an online system (e.g. [LTPP InfoPave™](#) web portal).

Progress this Quarter

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

NCPP

Task 1 –

- ✓ Provided technical support for participating agency projects as follows:
 - Idaho DOT - RAP Chip Seal
 - Project training for DOT and contractor staff July 11
 - Preconstruction meeting July 28
 - Minnesota DOT – Scrub Cape Seal
 - Project training for DOT and contractor staff July 9
 - North Carolina DOT – Spray applied rejuvenator
 - Preconstruction meeting August 18
 - Delaware DOT – Micro Surfacing
 - Project training for DOT and contractor staff September 10
- ✓ MNROAD Database forms drafted for Mississippi, Idaho, Minnesota and North Carolina projects, respectively.

Task 2 –

Provided on-site technical support as follows:

- Idaho DOT on-site support for RAP chip seal test cell construction July 28 and 29
- Minnesota DOT on-site support for scrub cape seal test cell construction August 7 and 8
- North Carolina DOT on-site support for spray applied rejuvenator construction (expected 9/24/25)
- Delaware DOT on-site support for rut filling micro surfacing (expected 9/29/25)

Task 4 –

- ✓ Pavement Preservation Journal article for Fall 2025 edition was submitted.
- ✓ Pavement Preservation Journal article for Winter 2025 edition was drafted.

- ✓ PG3 Update provided to AASHTO Maintenance Committee by Joel Ulring
- ✓ PG3 Website updated to include State Project Nomination Map and July TAP meeting information

Task 5 –

- ✓ Weekly “Touch Point” meetings were conducted with the MnDOT leads and NCAT PI on July 11, July 18, August 1, August 15, August 22, August 29, September 5, September 12 and September 26, respectively.
- ✓ Virtual TAP meeting held on July 23

Task 6 –

Made lodging and travel arrangements for TAP members to attend the September 2025 TAP Meeting

- ✓ Arranged room set up, AV, and catering for the September 2025 TAP Meeting
- ✓ Communicated Travel and reimbursement information with TAP Members
- ✓ Processed initial travel reimbursements for September 2025 TAP Meeting
- ✓ Prepared miscellaneous and associated correspondence.

NCAT

Task 1 –

- ✓ Continued data collection and analysis of existing sections.

Task 2 –

- ✓ Performed testing on pretreatment cores received from North Carolina DOT.
- ✓ Reviewed new nomination forms from North Dakota and Alabama.

Task 5 –

- ✓ Assisted with planning and participated in virtual TAP meeting (July 23) and in-person meeting (September 18).
- ✓ Worked on the development of a new tool for preservation treatment selection and LCCA.
- ✓ Presented research findings at MPPP annual meeting.

Anticipated work next quarter:

The following is expected to be completed for next quarter.

NCPP

- ✓ Task 1 – Continue development of project data forms as needed based on project submittals
- ✓ Task 1 – Project nominations will be compiled and reviewed as they are submitted
- ✓ Task 1 – Spec review, technical consultations, and training will take place.
- ✓ Task 3 – Continue to work with states to fill in project treatments and schedules.
- ✓ Task 3 – Work with states to provide technical support for post construction activities.
- ✓ Task 4 – finalize and submit Pavement Preservation Journal Article for Winter issue

- ✓ Task 5 – Prepare for next virtual TAP meeting January 2026.

NCAT

- ✓ Task 1 – Continue data collection and analysis of existing sections.
- ✓ Task 2 – Perform testing on pretreatment cores from Minnesota DOT and asphalt mixture from Idaho DOT. Continue to review nominations and provide technical assistance as needed.
- ✓ Task 5 – Assist with planning and participate in TAP meetings (online and in-person). Present research findings at RMWPPP meeting and Missouri Asphalt Conference. Assist with drafting article for the Pavement Preservation Journal Winter Issue. Deploy new tool for preservation treatment selection and LCCA.

Significant Results:

NCPP

- ✓ Maintained and updated PG3 Project Website and SharePoint site.
- ✓ Provided direct support to Minnesota, North Carolina, Idaho, and Delaware DOT's for spec review, training, and on-site support.
- ✓ Prepared subsequent logistical and accounting tasks for the September 2025 TAP Meeting with the MPPP in Omaha.

NCAT

- ✓ In coordination with MnDOT and NCPP, continued development of implementation phase activities through data analysis, technical support, and outreach.

Potential Implementation:

NCPP

- ✓ Participating states can continue uploading nominating projects. Project support and implementation will follow as necessary.

NCAT

- ✓ NCAT will continue to help review project nominations, provide support prior to construction, and assist NCPP with onsite visits as needed. NCAT will conduct material testing of samples collected during construction.

Attachment – A (PG3) – 10/22/2025 Income Summary Report

TPF-5(522) - Improving the Quality of Preventive Maintenance Construction and Data Collection Practices - Continuation of TPF-5(345) - TPF-5(522)

State/Agency Participation -- TPF-5 (522)								
Agency		FY23	FY24	FY25	FY26	FY27	FY28	Totals
Alabama	Commitment	\$50,000	\$50,000	\$50,000				\$150,000
	Contribution		\$100,000	\$50,000				\$150,000
Alaska	Commitment		\$50,000	\$50,000	\$50,000			\$150,000
	Contribution		\$50,000	\$50,000	\$50,000			\$150,000
Colorado	Commitment		\$50,000	\$50,000	\$50,000			\$150,000
	Contribution		\$50,000	\$50,000				\$100,000
Delaware	Commitment			\$20,000	\$20,000			\$40,000
	Contribution			\$20,000				\$20,000
FHWA	Commitment				\$60,000			\$60,000
	Contribution				\$60,000			\$60,000
Idaho	Commitment	\$150,000	\$50,000	\$50,000				\$250,000
	Contribution	\$150,000	\$50,000	\$50,000				\$250,000
Illinois	Commitment		\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
	Contribution		\$50,000	\$50,000				\$100,000
Kansas	Commitment				\$50,000	\$50,000		\$100,000
	Contribution							\$0
Maryland	Commitment		\$50,000	\$50,000	\$50,000	\$50,000		\$200,000
	Contribution		\$50,000	\$50,000				\$100,000
Michigan	Commitment		\$50,000	\$50,000	\$50,000	\$50,000		\$200,000
	Contribution		\$50,000	\$50,000				\$100,000
Minnesota	Commitment	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000		\$250,000
	Contribution	\$50,000	\$50,000	\$50,000				\$150,000
Mississippi	Commitment		\$50,000	\$50,000	\$50,000	\$50,000		\$200,000
	Contribution		\$50,000	\$50,000				\$100,000
Missouri	Commitment				\$50,000	\$50,000	\$50,000	\$150,000
	Contribution							\$0
New Mexico	Commitment			\$50,000	\$50,000	\$50,000		\$150,000
	Contribution			\$50,000	\$50,000			\$100,000
New York	Commitment		\$50,000	\$50,000	\$50,000	\$50,000		\$200,000
	Contribution		\$50,000	\$50,000				\$100,000
North Carolina	Commitment		\$50,000	\$50,000	\$50,000	\$50,000		\$200,000
	Contribution		\$50,000	\$50,000				\$100,000
North Dakota	Commitment	\$250,000						\$250,000
	Contribution	\$250,000						\$250,000
South Carolina	Commitment		\$50,000	\$50,000	\$50,000	\$50,000		\$200,000
	Contribution		\$50,000	\$50,000				\$100,000
Texas	Commitment		\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
	Contribution		\$50,000	\$50,000				\$100,000
Washington	Commitment		\$20,000	\$20,000	\$20,000	\$20,000		\$80,000
	Contribution		\$20,000	\$20,000				\$40,000
Wisconsin	Commitment		\$50,000					\$50,000
	Contribution		\$50,000					\$50,000
Totals	Commitment	\$500,000	\$720,000	\$740,000	\$800,000	\$620,000	\$150,000	\$3,530,000
	Contribution	\$450,000	\$770,000	\$740,000	\$160,000	\$0	\$0	\$2,120,000

Attachment – B (PG3) – 10/22/2025 Financial Summary Report

TPF-5(522) - Improving the Quality of Preventive Maintenance Construction and Data Collection Practices - Continuation of TPF-5(345) - TPF-5(522)

Expenditures:

	Encumbrances	Actual Paid
TPF-5(522)	\$ 2,120,000.00	
NCPP Tasks Expenses		\$1,182,499.64
NCPP Travel Expenses		\$ 97,616.50
NCAT Task Expenses		\$ 684,945.18
Totals	<u>\$ 2,120,000.00</u>	<u>\$1,965,061.32</u>
Available Balance		<u>\$ 154,938.68</u>