

**TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT**
for
**National Partnership to Improve the Quality of Pavement Preservation Treatment
Construction & Data Collection Practices (PG Phase III)**

Lead Agency: Minnesota Department of Transportation

Transportation Pooled Fund Program Project # TPF-5(522) https://pooledfund.org/Details/Study/754		Report Period: 2025 - Quarter 2 April 1 – June 30, 2025
<p style="text-align: center;">Project Title: National Partnership to Improve the Quality of Pavement Preservation Treatment Construction & Data Collection Practices (PG Phase III)</p> <p>Project Website being determined (Not fully developed yet add)</p> <p>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.</p>		
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, 2028	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) \$3,520,000 SPR (522) agency obligations (Pooled Fund Website / MnDOT) \$3,520,000 SPR (375) Rollover (estimated) \$0	<p style="text-align: center;">Overall \$1,668,565.12</p> <p style="text-align: center;">Auburn University \$570,786.65/\$1,712,362.95 33.3% paid National Center for Pavement Preservation \$1,097,778.47/\$2,446,937.00 (includes Agency Travel) 44.9% paid</p>	<p style="text-align: center;">Pooled Fund 18/60 months = 30%</p> <p style="text-align: center;">Contracts 18/48 months = 37.5%</p>

Project Description:

The use of the right pavement preventive maintenance (PM) surface 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 PM 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.):
NCP

Task 1 –

- ✓ Provided technical support for participating agency projects
 - Mississippi DOT Scrub Cape Seal
 - Project Pre Con April 2
 - Project training for DOT and contractor staff May 8
 - North Carolina DOT Spray Applied Rejuvenator
 - Meeting with project personnel April 4
 - Project training pre-meeting June 10
 - Project training for DOT staff June 12
 - Idaho DOT – RAP Chip Seal
 - Specification comments April 4
 - Project training scheduled for July 18
 - Delaware DOT – Micro Surfacing
 - Specification comments April 9
 - Michigan DOT – Variations on Mill/Fill with Chip Seal
 - Specification comments April 22
 - Note MDOT has pulled this project nomination, will submit a new project for 2026
- ✓ Construction form review and update for thin HMA, UBWC, Milling, Patching and Crack Sealing

Task 2 –

- ✓ Mississippi DOT onsite support for scrub seal test cell construction

Task 4 –

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

- ✓ PG3 Update provided to Emulsion Task Force by Joel Ulring
- ✓ PG3 Website updates, including State Project Nomination Map and March TAP meeting information

Task 5 –

- ✓ Weekly “Touch Point” meetings were conducted with the MnDOT leads and NCAT PI on April 4, April 11, May 2, May 9, May 23, May 28, June 13, June 20, and June 27, respectively.
- ✓ Coordination and planning for virtual TAP meeting July 23

Task 6 –

- ✓ Finalized processing of travel reimbursements for March 2025 TAP Meeting
- ✓ Finalized payment to hotel for the March 2025 TAP Meeting.
- ✓ Finalized financial information on total meeting and travel costs for March 2025 TAP Meeting and submitted to MN DOT for payment.
- ✓ Communicated meeting details with TAP Members for September Fall 2024 TAP Meeting
- ✓ Work with Doubletree for room layout and catering for September Fall 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 Mississippi DOT.

Task 5 –

- ✓ Assisted with planning virtual TAP meeting (July 23) and in-person meeting (September 18).
- ✓ Submitted article for Pavement Preservation Journal Summer issue.

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 2 – It is expected that construction will begin on North Carolina DOT, Minnesota DOT and Idaho DOT's projects. Field support 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 Fall issue
- ✓ Task 4 – Provide PG3 project update at AASHTO MAC and COMP meetings in July and August respectively by Joel Ulring.
- ✓ Task 5 – Prepare for next virtual TAP meeting July 23, 2025.

NCAT

- ✓ Task 1 – Continue data collection and analysis of existing sections.
- ✓ Task 2 – Perform testing on aggregate from Mississippi DOT and pretreatment cores from North Carolina DOT and Minnesota 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 MPPP meeting. Assist with drafting article for the Pavement Preservation Journal Fall Issue.

Significant Results:

NCPP

- ✓ Maintained and updated PG3 Project Website and SharePoint site.
- ✓ Provided direct support to Mississippi, North Carolina, Idaho, Michigan and Delaware DOT's for spec review, training, and on-site support.
- ✓ Finalized all the subsequent logistical and accounting tasks for the March 2025 TAP Meeting.

NCAT

- ✓ Continued data analysis and development of tools to provide information on treatment performance that can help agencies improve their pavement management practices.
- ✓ Performed testing to support the implementation of new test sections.

Potential Implementation:

NCPD

- ✓ Participating states may continue uploading nominating projects. Project support and implementation will follow.

NCAT

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

Attachment – A 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
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
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					\$100,000
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							\$0
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	\$50,000	\$250,000
	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
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	\$740,000	\$620,000	\$200,000	\$3,520,000
	Contribution	\$450,000	\$770,000	\$540,000	\$50,000	\$0	\$0	\$1,810,000

Attachment – B 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)	\$ 1,810,000.00	
NCPP Tasks Expenses		\$1,013,571.12
NCPP Travel Expenses		\$ 84,207.35
NCAT Task Expenses		\$ 570,786.65
Totals	<u>\$ 1,810,000.00</u>	<u>\$1,668,565.12</u>
Available Balance		<u>\$ 141,434.88</u>