

**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: 2024 - Quarter 4 October 1 – December 31, 2024
<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) \$4,710,000 SPR (522) agency obligations (Pooled Fund Website / MnDOT) \$2,810,000 SPR (375) Rollover (estimated) \$475,000	<p style="text-align: center;">Overall \$337,857.04</p> <p style="text-align: center;">Auburn University \$342,472.59/\$1,712,362.95 20.0% paid National Center for Pavement Preservation \$542,505.28/\$2,446,937.00 (includes Agency Travel) 22.2% paid</p>	<p style="text-align: center;">Pooled Fund 12/60 months = 20%</p> <p style="text-align: center;">Contracts 12/48 months = 25%</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.):

NCPP

Task 1 –

- ✓ Provided technical support to participating agencies on their respective potential projects:
 - North Carolina DOT – Spray Applied Rejuvenator
 - Maryland DOT – Scrub Seal
 - Mississippi DOT – Scrub Cape Seal
 - Included 2 virtual meetings on November 20 and December 4

Task 4 –

- ✓ Reviewed and refined project materials and testing matrix.
- ✓ Prepared and submitted a Pavement Preservation Journal article for Spring 2025 edition.
- ✓ PG3 Website was created and presented to technical committee and then the TAP. Updates were made based on feedback.

Task 5 –

- ✓ Weekly “Touch Point” meetings were conducted with the MnDOT leads and NCAT PI on October 18, 25; November 1, 21; December 6, 13 and 20, respectively.
- ✓ The second 2025 in-person TAP meeting was held on November 14 in conjunction with the Rocky Mountain West Pavement Preservation Partnership.

Task 6 -

- ✓ Finalized travel arrangements for the November 2024 TAP Meeting
- ✓ Finalized logistical and meeting details with hotel for the November 2024 TAP Meeting
- ✓ Processed travel reimbursements for November 2024 TAP Meeting
- ✓ Communicated reimbursement details with TAP Members for November 2024 TAP Meeting
- ✓ Prepared all the miscellaneous and associated correspondence.

NCAT

Task 1 –

- ✓ Continued data collection and analysis of existing sections.
- ✓ Performed testing for forensic analysis of US-169 test sections.

Task 2 –

- ✓ Reviewed project nominations for Alaska, Idaho, and Mississippi

Task 5 –

- ✓ Assisted with planning and participated in TAP meeting held in Sacramento, CA at RMWPPP meeting
- ✓ Presented findings from the study at SEUPG 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 – It is anticipated participating states will begin letting projects. Spec review, technical consultations, and potential training will take place.
- ✓ Task 3 – Continue to work with states to fill in project treatments and schedules.
- ✓ Task 3 – Work with states to review specifications and provide technical support.
- ✓ Task 5 – Conduct in person TAP meeting at SEPPP

NCAT

- ✓ Task 1 – Continue data collection and analysis of existing sections.
- ✓ Task 2 – Review nominations as needed. Provide technical assistance for construction of new sections as needed.
- ✓ Task 5 – Assist with planning and participate in TAP meetings (online and in-person). Present research findings at TRB, ISSA Slurry Systems Workshop, WRAPP conference, and SEPPP annual meeting.

Significant Results:

NCPP

- ✓ Developed PG3 Project Website
- ✓ Provided direct support to Maryland, Mississippi and North Carolina DOT's for project selection
- ✓ Held second in person TAP meeting
- ✓ Finalized all the subsequent logistical and accounting tasks for the May 2024 TAP Meeting

NCAT

- ✓ Continued data analysis to provide information on treatment performance that can help agencies improve their pavement management practices.
- ✓ In coordination with MnDOT and NCPP, continued development of implementation phase activities.

Potential Implementation:

NCPP

- ✓ Participating states may begin uploading nominating projects for review and feedback. Project support and implementation will follow.

NCAT

- ✓ NCAT will 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) – 1/17/2025 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)**

	2023	2024	2025	2026	2027	Total
Income:						
AK	0.00	50,000.00	0.00	0.00	0.00	50,000.00
	0.00	50,000.00	0.00	0.00	0.00	50,000.00
AL	50,000.00	50,000.00	50,000.00	0.00	0.00	150,000.00
	50,000.00	50,000.00	50,000.00	0.00	0.00	150,000.00
CO	0.00	50,000.00	50,000.00	50,000.00	0.00	150,000.00
	0.00	50,000.00	0.00	0.00	0.00	50,000.00
ID	150,000.00	50,000.00	50,000.00	0.00	0.00	250,000.00
	150,000.00	50,000.00	0.00	0.00	0.00	200,000.00
IL	0.00	50,000.00	50,000.00	50,000.00	0.00	150,000.00
	0.00	50,000.00	0.00	0.00	0.00	50,000.00
MD	0.00	50,000.00	50,000.00	50,000.00	50,000.00	200,000.00
	0.00	50,000.00				50,000.00
MI	0.00	50,000.00	50,000.00	50,000.00	50,000.00	200,000.00
	0.00	50,000.00				50,000.00
MN	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	250,000.00
	50,000.00	50,000.00				100,000.00
MS	0.00	50,000.00	50,000.00	50,000.00	50,000.00	200,000.00
	0.00	50,000.00				50,000.00
NC	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	250,000.00
	50,000.00					50,000.00
ND	250,000.00	0.00	0.00	0.00	0.00	250,000.00
	250,000.00	0.00	0.00	0.00	0.00	250,000.00
NY	0.00	50,000.00	50,000.00	50,000.00	50,000.00	200,000.00
	0.00	50,000.00	0.00	0.00	0.00	50,000.00
SC	0.00	50,000.00	50,000.00	50,000.00	50,000.00	200,000.00
	0.00	50,000.00				50,000.00
TX	0.00	50,000.00	50,000.00	50,000.00	50,000.00	200,000.00
		50,000.00				50,000.00
WA	0.00	20,000.00	20,000.00	20,000.00	0.00	60,000.00
	0.00	20,000.00	0.00	0.00	0.00	20,000.00
WI	0.00	50,000.00	0.00	0.00	0.00	50,000.00
	0.00	50,000.00	0.00	0.00	0.00	50,000.00
Total	550,000.00	720,000.00	620,000.00	520,000.00	400,000.00	2,810,000.00
Committed	550,000.00	670,000.00	50,000.00			1,270,000.00
Total Received						

Attachment – B (PG3) – 1/17/2025 Financial Summary Report

Expenditures:	Encumbrances	Actual Paid	
TPF15522S: Salaries			
TPF15522T: Travel			
National Partnership to Improve the Quality of Preventive Maintenance Treatment Construction & Data Collection Practices (Research)	1,369,890.40	337,472.59	
TPF-5(522) - Improving the Quality of Preventive Maintenance Construction and Data Collection Practices - Continuation of TPF-5(345)	2,431,061.90	529,733.84	
	<u>3,800,952.30</u>	<u>867,206.43</u>	3,800,952.30
	Available Balance:		\$-990,952.30