

**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

<b>Transportation Pooled Fund Program Project #</b> TPF-5(522) <a href="https://pooledfund.org/Details/Study/754">https://pooledfund.org/Details/Study/754</a>		<b>Report Period:</b> 2024 - Quarter 1 (January 1 – March 31, 2024)
<b>Project Title: National Partnership to Improve the Quality of Pavement Preservation Treatment    Construction &amp; Data Collection Practices (PG Phase III)</b>		
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.		
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<b>Pooled Fund End Date:</b> January 1, 2024	<b>Pooled Fund End Date:</b> December 31, 2028	<b>Duration:</b> 5 years
<b>Contracted Contractors:</b> Auburn University National Center Pavement Preservation	<b>Contract (MnDOT #):</b> 1055574 1055609	<b>Contractor Start/End Date:</b> 3/8/2024 – 12/31/2028 3/15/2024 – 12/31/2028
Auburn University National Center Pavement Preservation	<b>Number of Extensions:</b> 0 0	<b>Extension Date:</b> 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
<b>Total Funding Expected</b> (based on agency discussion) \$4,710,000	<b>Overall</b> <b>\$0/222</b> <b>0%</b>	<b>Pooled Fund</b> 1/60 months = 2%
<b>SPR (522) agency obligations</b> (Pooled Fund Website / MnDOT) \$2,960,000	<b>Auburn University</b> \$0/\$3333 0% paid	<b>Contracts</b> 1/48 months = 2%
<b>SPR (375) Rollover (estimated)</b> \$475,000	<b>National Center for Pavement Preservation</b> \$0/\$2,446,937 (includes Agency Travel) 0% paid	

**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 -

Begin identifying, updating, and/or drafting project documentation forms. All LTPP data forms were collected and reviewed. Specific PG3 items included Project Nomination form (online), Project flowchart, and Chip Seal Construction field data form.

Task 5 -

- Held the initial TAP Kickoff meeting on March 1. Most of the participating states attended, and their respective project contact representatives were identified.
- Starting March 8, held weekly “Touch Point” meetings with the MnDOT and NCAT leads.
- Worked out the logistics to have the second annual in person TAP meeting in conjunction with the Rocky Mountain West Pavement Preservation Partnership Meeting in November in Sacramento, CA.

Task 6 -

In preparation for the May 2024 TAP Meeting, conducted and performed planning and logistical activities that included the following:

- Procured and finalized the lodging contract.
- Coordinated with NCAT to procure a meeting facility.
- Coordinated with NCAT to procure registration for TAP Panel Members attending the NCAT Annual Meeting.
- Communicated meeting details to TAP Members and attendees.
- Made Travel Arrangements (ie flights, rental cars, lodging, etc.).
- Set up alternative virtual option for participation.
- Performed miscellaneous associated tasks including correspondence and documentation.

NCAT

Task 1 –

Performance data collection and analysis of existing sections continued following the same process

established during Phases I and II of the study.

**Task 2 –**

Worked with MnDOT and NCPP to develop project nomination and construction data forms.

**Task 5 –**

Performed an update to the online tool for visualization of performance results of existing test sections. Coordinated with NCPP to organize in-person TAP meeting in conjunction with the NCAT Test Track Conference.

**Anticipated work next quarter:**

The following is expected to be completed for next quarter.

**NCPP**

- Task 1 - Continue with the development of project data forms
- Task 4 - Create a SharePoint Site for all participants in the study
- Task 4 - Prepare and submit a Pavement Preservation Journal article on the study for the summer edition.
- Task 5 - Finalized the agenda for the May 6 in person TAP meeting.
- Task 6 - Provide travel support and logistics for the May 6 in person TAP meeting.

**NCAT**

- Task 1 – Continue data collection and analysis of existing sections
- Task 2 – Finalize online project nomination form. Review nominations.
- Task 3 – Develop reporting requirement forms for new projects
- Task 5 – Host spring in-person TAP meeting at NCAT

**Significant Results:**

**NCPP**

- Kicked off project, began gathering information and formulating workflow for project nomination, preconstruction, construction, and post construction activities.
- Provided logistics for May 6 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, initiated development of implementation phase activities.

**Potential Implementation:**

**NCPP**

Participating states may begin nominating projects in the next quarter. 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) – 4/08/2024 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)**

<b>INCOME:</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>Total</b>
<b>AK</b>	0.00	50,000.00	0.00	0.00	0.00	0.00	50,000.00
	0.00	50,000.00	0.00	0.00	0.00	0.00	50,000.00
<b>AL</b>	50,000.00	50,000.00	50,000.00	0.00	0.00	0.00	150,000.00
	50,000.00	50,000.00	50,000.00	0.00	0.00	0.00	150,000.00
<b>CO</b>	0.00	50,000.00	50,000.00	50,000.00	0.00	0.00	150,000.00
	0.00	50,000.00	0.00	0.00	0.00	0.00	50,000.00
<b>ID</b>	150,000.00	50,000.00	50,000.00	0.00	0.00	0.00	250,000.00
	150,000.00	50,000.00	0.00	0.00	0.00	0.00	200,000.00
<b>IL</b>	0.00	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	250,000.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>MD</b>	0.00	50,000.00	50,000.00	50,000.00	50,000.00	0.00	200,000.00
	0.00	50,000.00	0.00	0.00	0.00	0.00	50,000.00
<b>MI</b>	0.00	50,000.00	50,000.00	50,000.00	50,000.00	0.00	200,000.00
	0.00	50,000.00	0.00	0.00	0.00	0.00	50,000.00
<b>MN</b>	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	0.00	250,000.00
	50,000.00	0.00	0.00	0.00	0.00	0.00	100,000.00
<b>NC</b>	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	0.00	250,000.00
	50,000.00	0.00	0.00	0.00	0.00	0.00	50,000.00
<b>MS</b>	0.00	50,000.00	50,000.00	50,000.00	50,000.00	0.00	200,000.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>ND</b>	250,000.00	0.00	0.00	0.00	0.00	0.00	250,000.00
	250,000.00	0.00	0.00	0.00	0.00	0.00	250,000.00
<b>NY</b>	0.00	50,000.00	50,000.00	50,000.00	50,000.00	0.00	200,000.00
	0.00	50,000.00	0.00	0.00	0.00	0.00	50,000.00
<b>SC</b>	0.00	50,000.00	50,000.00	50,000.00	50,000.00	0.00	200,000.00
	0.00	50,000.00	0.00	0.00	0.00	0.00	50,000.00
<b>TX</b>	0.00	50,000.00	50,000.00	50,000.00	50,000.00	0.00	200,000.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>WA</b>	0.00	20,000.00	20,000.00	20,000.00	0.00	0.00	60,000.00
	0.00	20,000.00	0.00	0.00	0.00	0.00	20,000.00
<b>WI</b>	0.00	50,000.00	0.00	0.00	0.00	0.00	50,000.00
	0.00	50,000.00	0.00	0.00	0.00	0.00	50,000.00
<b>Total</b>	550,000.00	720,000.00	620,000.00	520,000.00	450,000.00	50,000.00	2,910,000.00
<b>Committed</b>	550,000.00	470,000.00	50,000.00	0.00	0.00	1,070,000.00	1,120,000.00
<b>Total Received</b>							

**Attachment – B (PG3) – 4/08/2024 Financial Summary Report**

<b>Expenditures:</b>	<b>Encumbrances</b>	<b>Actual Paid</b>
TPF15522S: Salaries		
TPF15522T: Travel		
National Partnership to Improve the Quality of Preventive Maintenance Treatment Construction & Data Collection Practices (Research)	1,369,890.40	
TPF-5(522) - Improving the Quality of Preventive Maintenance Construction and Data Collection Practices - Continuation of TPF-5(345)	2,446,933.14	
<b>Totals</b>	<u>3,816,823.54</u>	3,816,823.54
	<b>Available Balance:</b>	<b>\$-1,346,823.54</b>