

# 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

<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> 2025 - Quarter 4 October 1 – December 31, 2025
<p style="text-align: center;"><b>Project Title: National Partnership to Improve the Quality of Pavement Preservation Treatment Construction &amp; Data Collection Practices (PG3)</b></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>		
<b>Project Manager(s):</b> Joel Ullring (MnDOT) Debbie Walker (FHWA)	<b>Phone Number:</b> 651-366-5432 202-493-3068	<b>E-Mail</b> <a href="mailto:joel.ullring@state.mn.us">joel.ullring@state.mn.us</a> <a href="mailto:deborah.walker@dot.gov">deborah.walker@dot.gov</a>
<b>Pooled Fund Start 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>SPR (522) agency obligations</b> (Pooled Fund Website / MnDOT) \$3,810,000 <b>SPR (375) Rollover (estimated)</b> \$0	<b>Overall</b> <b>\$1,965,060.32</b>  <b>Auburn University</b> \$799,102.71/\$1,712,362.95 46.7% paid <b>National Center for Pavement Preservation</b> \$1,280,116.14/\$2,446,937.00 (includes Agency Travel) 52.3% paid	<b>Pooled Fund</b> 24/60 months = 40.0%  <b>Contracts</b> 24/60 months = 40.0%

**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 project overview and expectations for new members:
  - Missouri DOT October 8
  - Arkansas DOT December 15
- ✓ Held project nomination technical meeting with Alabama DOT October 8
- ✓ MNROAD Database forms drafted for Idaho, Delaware and North Carolina projects

**Task 2 –**

- ✓ Provided on-site technical support as follows:
  - Delaware DOT on-site support for rut filling micro surfacing October 15

**Task 4 –**

- ✓ Pavement Preservation Journal article for Winter 2025 edition was submitted.
- ✓ Pavement Preservation Journal article for Spring 2026 edition was drafted.
- ✓ PG3 Update provided to Kentucky Preventive Maintenance Alliance November 5
- ✓ PG3 Update provided to Emulsion Task Force November 21
- ✓ PG3 Website updated to include Journal article links and September TAP meeting information.

**Task 5 –**

- ✓ Weekly “Touch Point” meetings were conducted with the MnDOT leads and NCAT PI on October 10, October 17, October 31, December 5, December 12 and December 19, respectively.
- ✓ Virtual TAP meeting scheduled for January 28, 2026 (Q1 2026)

**Task 6 –**

- ✓ Completed Travel Reimbursements for the September 2025 TAP Meeting
- ✓ Finalized and paid expenses for the 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 asphalt mix received from Idaho TD.

##### Task 5 –

- ✓ Assisted with planning virtual TAP meeting (January 2026).
- ✓ Developed a new tool for preservation treatment selection and LCCA.
- ✓ Presented research findings at Rocky Mountain West PPP Annual Meeting and Missouri Asphalt Conference.

#### **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.
  - Project nominations expected for construction so far in 2026 include: Alabama DOT, Washington DOT and Alaska DOT
- ✓ Task 3 – Work with states to provide technical support for post construction activities.
- ✓ Task 4 – finalize and submit Pavement Preservation Journal Article for Spring 2026 issue
- ✓ Task 5 – Prepare for next virtual TAP meeting January 28, 2026.

#### NCAT

- ✓ Task 1 – Continue data collection and analysis of existing sections.
- ✓ Task 2 – Perform testing on pretreatment cores from Minnesota DOT. Continue to review nominations and provide technical assistance as needed.
- ✓ Task 4 – Incorporate performance data from new sections into the research database.
- ✓ Task 5 – Assist with planning and participate in TAP meetings (online and in-person). Present research findings at ISSA Workshop and Research Pays Off Webinar. Assist with drafting article for the Pavement Preservation Journal Spring 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 Alabama and Delaware DOTs for spec review 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) – 1/20/2026 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>State/Agency Participation -- TPF-5 (522)</b>								
<b>Agency</b>		<b>FY23</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26</b>	<b>FY27</b>	<b>FY28</b>	<b>Totals</b>
<b>Alabama</b>	<b>Commitment</b>	\$50,000	\$50,000	\$50,000				\$150,000
	<b>Contribution</b>		\$100,000	\$50,000				\$150,000
<b>Alaska</b>	<b>Commitment</b>		\$50,000	\$50,000	\$50,000			\$150,000
	<b>Contribution</b>		\$50,000	\$50,000	\$50,000			\$150,000
<b>Arkansas</b>	<b>Commitment</b>			\$50,000	\$50,000	\$50,000		\$150,000
	<b>Contribution</b>				\$50,000			\$50,000
<b>Colorado</b>	<b>Commitment</b>		\$50,000	\$50,000	\$50,000			\$150,000
	<b>Contribution</b>		\$50,000	\$50,000				\$100,000
<b>Delaware</b>	<b>Commitment</b>			\$20,000	\$20,000			\$40,000
	<b>Contribution</b>			\$20,000				\$20,000
<b>FHWA</b>	<b>Commitment</b>			\$60,000				\$60,000
	<b>Contribution</b>			\$60,000				\$60,000
<b>Idaho</b>	<b>Commitment</b>	\$150,000	\$50,000	\$50,000				\$250,000
	<b>Contribution</b>	\$150,000	\$50,000	\$50,000				\$250,000
<b>Illinois</b>	<b>Commitment</b>		\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
	<b>Contribution</b>		\$50,000	\$50,000				\$100,000
<b>Kansas</b>	<b>Commitment</b>				\$50,000	\$50,000		\$100,000
	<b>Contribution</b>							\$0
<b>Maryland</b>	<b>Commitment</b>		\$50,000	\$50,000	\$50,000	\$50,000		\$200,000
	<b>Contribution</b>		\$50,000	\$50,000				\$100,000
<b>Michigan</b>	<b>Commitment</b>		\$50,000	\$50,000	\$50,000	\$50,000		\$200,000
	<b>Contribution</b>		\$50,000	\$50,000				\$100,000
<b>Minnesota</b>	<b>Commitment</b>	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000		\$250,000
	<b>Contribution</b>	\$50,000	\$50,000	\$65,000				\$165,000
<b>Mississippi</b>	<b>Commitment</b>		\$50,000	\$50,000	\$130,000	\$50,000		\$280,000
	<b>Contribution</b>		\$50,000	\$50,000	\$130,000			\$230,000
<b>Missouri</b>	<b>Commitment</b>				\$50,000	\$50,000	\$50,000	\$150,000
	<b>Contribution</b>			\$50,000				\$50,000
<b>New Mexico</b>	<b>Commitment</b>			\$50,000	\$50,000	\$50,000		\$150,000
	<b>Contribution</b>			\$50,000	\$50,000			\$100,000
<b>New York</b>	<b>Commitment</b>		\$50,000	\$50,000	\$50,000	\$50,000		\$200,000
	<b>Contribution</b>		\$50,000	\$50,000	\$50,000			\$150,000
<b>North Carolina</b>	<b>Commitment</b>		\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
	<b>Contribution</b>		\$50,000	\$50,000				\$100,000
<b>North Dakota</b>	<b>Commitment</b>	\$250,000						\$250,000
	<b>Contribution</b>	\$250,000						\$250,000
<b>South Carolina</b>	<b>Commitment</b>		\$50,000	\$50,000	\$50,000	\$50,000		\$200,000
	<b>Contribution</b>		\$50,000	\$50,000				\$100,000
<b>Texas</b>	<b>Commitment</b>		\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
	<b>Contribution</b>		\$50,000	\$50,000				\$100,000
<b>Washington</b>	<b>Commitment</b>		\$20,000	\$20,000	\$20,000	\$20,000		\$80,000
	<b>Contribution</b>		\$20,000	\$20,000	\$20,000			\$60,000
<b>Wisconsin</b>	<b>Commitment</b>		\$50,000					\$50,000
	<b>Contribution</b>		\$50,000					\$50,000
<b>Totals</b>	<b>Commitment</b>	\$500,000	\$720,000	\$850,000	\$870,000	\$670,000	\$200,000	<b>\$3,810,000</b>
	<b>Contribution</b>	\$450,000	\$770,000	\$865,000	\$350,000	\$0	\$0	<b>\$2,435,000</b>

**Attachment – B (PG3) – 1/20/2026 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:**

	<b>Encumbrances</b>	<b>Actual Paid</b>
TPF-5(522)	\$ 2,435,000.00	
NCPP Tasks Expenses		\$1,182,499.64
NCPP Travel Expenses		\$ 97,616.50
NCAT Task Expenses		\$ 799,102.71
Totals	<u>\$ 2,435,000.00</u>	<u>\$2,079,218.85</u>
<b>Available Balance</b>		<u><b>\$ 355,781.15</b></u>