**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

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| **Transportation Pooled Fund Program Project #**  TPF-5(522) <https://pooledfund.org/Details/Study/754> | | **Report Period:**  2024 - Quarter 2  (April 1 – June 30, 2024) | |
| Project Title: National Partnership to Improve the Quality of Pavement Preservation TreatmentConstruction & Data Collection Practices (PG Phase III) 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 DOTNRRA 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 NRRA 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 Ulring(MnDOT)  Debbie Walker (FHWA) | **Phone Number:**  651-366-5432  202-493-3068 | | **E-Mail**  [joel.ulring@state.mn.us](mailto:joel.ulring@state.mn.us)  [deborah.walker@dot.gov](mailto: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:**

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| --- | --- | --- |
| **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 | **Overall**  **$337,857.04**  **Auburn University**  $228,315.06/$1,712,362.95  13.3% paid  **National Center for Pavement Preservation**  $360,805.32/$2,446,937.00  (includes Agency Travel)  14.8% paid | **Pooled Fund**  6/60 months = 10%  **Contracts**  6/48 months = 12.5% |

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| **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™](https://infopave.fhwa.dot.gov/) web portal). |

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| **Progress this Quarter**  **(includes meetings, work plan status, contract status, significant progress, etc.):**  NCPP  Task 1 –   * Project flowchart and process were developed and completed. They were subsequently presented to the TAP on May 6, 2024. * Construction forms were developed for Micro Surface, Chip Seal, Scrub Seal, and HMA Thinlay.   Task 3 –   * A compilation summary of projects from participating state (as available as of the date of the subject report) was created. This further sorted the participating states into LTPP Climate Zones, Preservation Partnership Regions, Treatment Type(s) and expected construction date.   Task 4 –   * Pavement Preservation Journal article for summer edition was prepared and submitted. * PG3 Sharepoint site was created and is operational.   Task 5 –   * A virtual TAP meeting was held April 9, 2024. * The first in-person TAP meeting was held on May 6, 2024, in conjunction with the NCAT Test Track meeting. * In addition, weekly “Touch Point” meetings were conducted with the MnDOT leads and NCAT PI on April 5, 12, 19, 26, May 3, 17, June 7, 14, 21 and 28, 2024, respectively. * Plans are being prepared to hold the second annual in person TAP meeting in conjunction with the Rocky Mountain West Pavement Preservation Partnership (RMWPPP) Meeting on November 14, 2024, in Sacramento, CA.   Task 6 -   * Coordinated with NCAT on final details for TAP May Meeting. * Coordinated with hotel on lodging reservations and payment for the May 2024 TAP Meeting. * Finalized and paid registration for TAP Panel Members to attend the NCAT Annual Meeting. * Communicated meeting details with TAP Members * Reimbursed TAP Travelers for Miscellaneous Travel Expenses (i.e. mileage, parking, baggage, rental car, meals) for TAP Meeting in May. * Contractually secured lodging and meeting place for the TAP Fall 2024 Meeting in conjunction with RMWPPP Meeting as stated earlier. * Prepared all the miscellaneous and associated correspondence. |

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| **Anticipated work next quarter**:  The following is expected to be completed for next quarter.  NCPP   * Task 1 – Continue development of project data forms * Task 1 – Project nominations will be reviewed as they are submitted * Task 3 – Continue to work with states to fill in project treatments and schedules. * Task 4 – Conduct virtual TAP meeting |

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| **Significant Results:**  NCPP   * Developed workflow and project processes, including drafting a testing matrix. * Provided logistics for the May 6 meeting. |

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| **Potential Implementation:**  NCPP   * Participating states may begin uploading nominating projects. Project support and implementation will follow. |

**Attachment – A (PG3) – 4/08/2024 Income Summary Report**

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|  |  | **TPF-5(522) - Improving the Quality of Preventive Maintenance Construction and Data Collection Practices - Continuation of TPF-5(345) - TPF-5(522)** | | | | | | | | | | |  |  |  |
|  |  |  |  |  |
| Income: | | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **2023** | | **2024** | | **2025** | | **2026** | | **2027** | | | **Total** | |
|  |
|  | **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 | | 0.00 | | | 250,000.00 | |  |
|  | 150,000.00 | | 50,000.00 | | 0.00 | | 0.00 | | | 200,000.00 | |  |
|  | **IL** | | 0.00 | | 50,000.00  50,000.00 | | 50,000.00  0.00 | | 50,000.00  0.00 | | 0.00 | | | 150,000.00  50,000.00 | |  |
|  | 0.00 | | 0.00 | | |  |
|  | **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 | | 50,000.00 | | | 250,000.00 | |  |
|  | 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 | | 50,000.00 | | | 250,000.00  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 | | 50,000.00 | | | 200,000.00  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 Committed Total Received** | | **550,000.00** | | **720,000.00** | | **620,000.00**  **50,000.00** | | **520,000.00** | | **400,000.00** | | | **2,810,000.00** | |  |
|  | **550,000.00** | | **670,000.00** | | **1,270,000.00** | |  |
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**Attachment – B (PG3) – 4/08/2024 Financial Summary Report**

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|  | **Expenditures:** | | |  |  |  |  |  |  |  |
|  |  | **Encumbrances** | **Actual Paid** | |  |  |  |
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|  | TPF15522S: Salaries | | |  |  |  |  |  |  |  |
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|  | TPF15522T: Travel | | |  |  |  |  |  |  |  |
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|  | National Partnership to Improve the Quality of Preventive Maintenance Treatment Construction & Data Collection Practices (Research) | | |  | 1,369,890.40 |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |
|  | TPF-5(522) - Improving the Quality of Preventive Maintenance Construction and Data Collection Practices - Continuation of TPF-5(345) | | |  | 2,416,049.24 |  |  |  |  |  |
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|  |  |  |  |  | 3,785,939.64 |  |  |  | 3,785,939.64 |  |
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|  |  |  |  |  |  |  |  |  |  |  |
|  | | | | **Available Balance:** | | |  | **$-975,939.64** | | |