

TRANSPORTATION POOLED FUND PROGRAM

QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Minnesota Department of Transportation

INSTRUCTIONS:

Lead Agency contacts should complete a quarterly progress report for each calendar quarter during which the projects are active. Please provide a project schedule status of the research activities tied to each task that is defined in the proposal; a percentage completion of each task; a concise discussion (2 or 3 sentences) of the current status, including accomplishments and problems encountered, if any. List all tasks, even if no work was done during this period.

Transportation Pooled Fund Program Project # <i>(i.e., SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX))</i> Click or tap here to enter text. TPF-5(538)	Transportation Pooled Fund Program - Report Period: ☒ Quarter 1 (January 1 – March 31) ☐ Quarter 2 (April 1 – June 30) ☐ Quarter 3 (July 1 – September 30) ☐ Quarter 4 (October 1 – December 31)	
TPF Study Number and Title: Phase II: Continuous Asphalt Mixture Compaction Assessment using Density Profiling System (DPS)		
Lead Agency Contact: Mercedes Kuznia	Lead Agency Phone Number: 612-494-0341	Lead Agency E-Mail Mercedes.maupin@state.mn.us
Lead Agency Project ID: Click or tap here to enter text.	Other Project ID (i.e., contract #): Click or tap here to enter text.	Project Start Date: 7/1/2025
Original Project Start Date: Click or tap to enter a date.	Original Project End Date: 6/30/2029	If Extension has been requested, updated project End Date: Click or tap to enter a date.

Project schedule status:

☒ On schedule	☐ On revised schedule	☐ Ahead of schedule	☐ Behind schedule
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Overall Project Statistics:

Total Project Budget	Total Funds Expended This Quarter	Percentage of Work Completed to Date
\$1,475,000	\$15,916.63	1.4%

Project Description:

The second phase of the pooled-fund project continues to build upon and advance the progress made in Phase I by answering technical and practical questions related to DPS and developing tools and guidance for implementing DPS in the field as a best practice for density measurement.

Progress this Quarter

(includes meetings, work plan status, contract status, significant progress, etc.):

1. Conducted an in-person workshop in January 2026 at the 2026 Transportation Research Board (TRB) Annual Meeting in Washington, D.C. to promote awareness of DPS tools and technologies.
2. Began developing project scoping language for a research project that will provide guidance and recommendations for deploying DPS under real-world conditions, in support of Tasks 1 and 2 of the workplan approved by the pooled fund's membership.
3. Began coordinating travel logistics for DPS members to attend the International Society for Intelligent Construction (ISIC) 2026 North American conference in Louisville, KY in August 2026.

Anticipated work next quarter:

1. Continue to support pooled fund members and friends through discussions of the results of their construction seasons.
2. Work with members to plan virtual meetings to discuss members' needs and pooled fund progress.
3. Develop a contractor solicitation for research to address Task 2.

Significant Results:

The best way to get informed about significant results is to access the DPS website:

<https://www.dot.state.mn.us/materials/dps/index.html>

Specifically, the member and friend presentations including project update presentations given here are the best way to stay apprised of the latest significant results:

<https://www.dot.state.mn.us/materials/dps/meetings.html>

More birds eye view significant DPS topics can be found in the DPS Digest Series located here:

<https://www.dot.state.mn.us/materials/dps/digest.html>

Circumstance affecting project or budget. (Please describe any challenges encountered or anticipated that might affect the completion of the project within the time, scope and fiscal constraints set forth in the agreement, along with recommended solutions to those problems).

None.

Potential Implementation:

The tools and technologies developed in this phase of the pooled fund will be focused on helping agencies deploy DPS on their pavement projects.