

**State Planning and Research Program
Quarterly Report**

PROJECT TITLE: *Effective Pre-Treatment Method for Events Beginning as Rain*

OBJECTIVES: The goal of this project is to evaluate pre-treatment options to determine their ability to effectively withstand rainfall through experimentation with the most common deicing materials in use. This research will document the effectiveness of these materials, mixed-in varying proportions and application rates, to determine their effectiveness.

PERIOD COVERED: July 1 – September 30, 2025

PARTICIPATING AGENCIES: Minnesota Department of Transportation, Clear Roads Technical Advisory Committee, and the University of Minnesota.

PROJECT MANAGER:
Hafiz Munir / Sheila Johnson

LEAD AGENCY: MnDOT

PRINCIPAL INVESTIGATOR:
Andy Erickson, St. Anthony Falls
Laboratory, University of Minnesota

SP&R PROJECT NO:
MnDOT Contract No.
1057601

Federal Project Number:
TPF-5(479)

PROJECT IS:

____ Planning
 X Research & Development

ANNUAL BUDGET: ~\$75,000
PROJECT BUDGET: \$149,999

PROJECT EXPENDITURES TO DATE: \$947.94

WORK COMPLETED:

- Task 1: We had a kickoff meeting on September 9, 2025, where we presented the project workplan.
- Task 2: We've begun the literature search for relevant literature and will continue to collect studies and resources for the literature review.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Task 1: Continued communications.
- Task 2: Develop the first draft of the literature review.

STATUS AND COMPLETION DATE: On track and within budget.