

**ate Planning and Research Program
Quarterly Report**

PROJECT TITLE: *Best Management Practices for Liquid Chloride Storage and Pumping Systems*

OBJECTIVES: The goal of this project is to examine and document liquid deicing storage and pump systems currently being used by departments of transportation (DOTs) and public works agencies across the country and best practices for managing and maintaining these systems.

PERIOD COVERED: July 1 to September 30, 2024

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

PROJECT MANAGER:

Hafiz Munir / Tom Peters

LEAD AGENCY: MnDOT

PRINCIPAL INVESTIGATOR:

Karalyn Clouser and Laura Fay (Co-PI)
WTI, Montana State University

SP&R PROJECT NO:

MnDOT Contract No.
1051126

Federal Project Number:
TPF-5(479)

PROJECT IS:

☐ Planning
☒ Research & Development

ANNUAL BUDGET: \$75,000

PROJECT EXPENDITURES TO DATE: \$61,491.78

WORK COMPLETED:

- Task 4 draft Liquid Deicer Storage and Pump System Equipment and Best Practices Manual developed and submitted to Clear Roads on September 3, 2024.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Meeting to discuss Task 4 draft manual is scheduled for October 9, 2024. Will update the manual based on feedback received from the technical panel.
- Task 5 Final Report will be developed which will summarize the methodology and information gained from the previous tasks of this project.

STATUS AND COMPLETION DATE:

In Progress. Anticipated Project Completion Date: December 31, 2024