

**State Planning and Research Program
Quarterly Report**

PROJECT TITLE: *Efficacy, Cost, and Impacts of Non-Chloride Deicers: An Educational Primer and Product Information Sheets*

OBJECTIVES: The goal of this project is to synthesize available information on non-chloride deicers to allow for a more comprehensive understanding by winter maintenance professionals and allow for easy comparison between products and with sodium chloride (salt brine, rock salt). This will be accomplished through a literature search, survey, and evaluation of currently used standards and tests. Laboratory testing may be used to provide supplemental information. The outcomes will include a comprehensive literature review document, one to two-page product summaries and product information sheets for key non-chloride deicers.

PERIOD COVERED: April 1 – June 30, 2022

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

PROJECT MANAGER:

Hafiz Munir / Tom Peters

SP&R PROJECT NO:

MnDOT Contract No.
1048127

PROJECT IS:

☐ Planning
☒ Research & Development

LEAD AGENCY: MnDOT

PRINCIPAL INVESTIGATOR:

Laura Fay, WTI, Montana State University

Federal Project Number:
TPF-5(353)

ANNUAL BUDGET: \$114,946

PROJECT EXPENDITURES TO DATE: \$6,726

WORK COMPLETED:

- The kickoff meeting was held April 29, 2022. The kickoff meeting presentation and notes were submitted May 11, 2022.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- The Task 1 literature review and Task 2 draft survey questionnaire will be submitted.
- A meeting will be scheduled and held to review the Task 1 and 2 deliverables.
- The Task 2 survey will send out.

STATUS AND COMPLETION DATE: No issues to report at this time.