

**State Planning and Research Program
Quarterly Report**

PROJECT TITLE: *Effects of Additives in Deicing Salts at Lower Temperatures*

OBJECTIVES: The goal of this project is to evaluate the impact additives to solid rock salt have on the eutectic temperature of the product through laboratory testing. From this testing, determine if the additives lower the eutectic temperature of the product, and if so by how much. The end goal is to determine if the additives improve performance.

PERIOD COVERED: January 1, 2023 – March 31, 2023

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.
1051718

PROJECT IS:

Planning
 Research & Development

LEAD AGENCY: MnDOT

Federal Project Number:
TPF-5(479)

PRINCIPAL INVESTIGATOR:
Laura Fay, WTI, Montana State University

ANNUAL BUDGET: \$149,993

PROJECT EXPENDITURES TO DATE: \$1,250

WORK COMPLETED:

- Task 1 Kick off meeting was held March 22, 2023.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Kick off meeting notes and slide deck will be submitted.
- Work on Task 2 literature review will begin.

STATUS AND COMPLETION DATE: Nothing to report at this time.