

**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.