

## State Planning and Research Program Quarterly Report

**PROJECT TITLE:** *Quantifying the Economic Value of Snow and Ice Operational Success*

**OBJECTIVES:** The goal of this research project is to develop a tool that agencies can use to quantify the economic value of their snow and ice operations including investing in emerging technologies and innovative practices. The tool will provide a realistic cost and benefit to the operations and allow for justification and planning for an appropriate annual budget.

**PERIOD COVERED:** January 1 to March 31, 2024

**PARTICIPATING AGENCIES:** Minnesota Department of Transportation, Clear Roads Technical Advisory Committee, and AECOM Technical Services, Inc.

**PROJECT MANAGER:**

Hafiz Munir / Tom Peters

**SP&R PROJECT NO:**

MnDOT Contract No.  
1054111

**PROJECT IS:**

☐ Planning  
☒ Research & Development

**LEAD AGENCY:** MnDOT

**PRINCIPAL INVESTIGATOR:**

Mallory Crow, PhD, PE  
AECOM Technical Services, Inc.

Federal Project Number:  
TPF-5(479)

**ANNUAL BUDGET:** \$98,062.06

**PROJECT EXPENDITURES TO DATE:** \$8,513.93

**WORK COMPLETED:**

- Task 1: Project Management
  - Project setup
  - Kick off meeting material.
- Task 2: Literature Review
  - Gathered related literature
  - Began development of draft literature review summary
  - Included preliminary literature review summary in kick off meeting slides.
- Task 3: Survey of Practices
  - Started reviewing questions to include on survey

**SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:**

- Task 1: Project Management
  - Budget and schedule management
  - Check-in meeting 1
- Task 2: Literature Review
  - Finish development of draft literature review summary
  - Present findings to committee
- Task 3: Survey of Practices
  - Develop draft survey questions.
  - Present to committee for feedback.
  - Finalize questions and execute survey

**STATUS AND COMPLETION DATE:** The project is on budget and on schedule.