

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

Federal Project Number:
TPF-5(479)

PRINCIPAL INVESTIGATOR:

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

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.