

**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: October 1 to December 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
 X 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: \$57,659.73

WORK COMPLETED:

- Task 1: Project Management
 - Invoices, Progress Reports
- Task 3: Survey of Practices
 - Summarizing Findings to Present to Committee at Next Check-In Meeting
- Task 4: Variables and Methodology
 - Draft the variables and methodology deliverables – Draft List of Data Inputs & Tool Methodology
- Task 5: Tool Development
 - Worked on the tool layout and functions

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Task 1: Project Management
 - Invoices, Progress Reports
 - Check In 2 Scheduled at Start of Quarter – Review Survey Results and Present Draft Task 4 Memo
- Task 4: Variables and Methodology
 - Finalize the variables and methodology deliverables – Final List of Data Inputs & Tool Methodology
- Task 5: Tool Development
 - Draft Tool Development
 - Draft Tool Guide Development

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