

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 – March 31, 2025

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: \$75,963.65

WORK COMPLETED:

- Task 1: Project Management
 - Invoices, Progress Reports
 - Check In 2 Meeting – Meeting Minutes
- Task 3: Survey of Practices
 - Summarizing Findings to Present to Committee at Next Check-In Meeting
- Task 4: Variables and Methodology
 - Finalized Variables and Methodology Deliverable
- Task 5: Tool Development
 - Draft Tool 90% complete
- Task 6: Final Report
 - Began development of final report

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Task 1: Project Management
 - Invoices, Progress Reports
 - Check In 3 to go over tool draft
- Task 5: Tool Development
 - Finalized Tool and Guide
- Task 6: Final Report
 - Draft and Finalized Project Report
 - Final Presentation

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