

**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: April 1 – June 30, 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 / PROJECT BUDGET:

\$98,062.06

PROJECT EXPENDITURES TO DATE: \$8,513.93

WORK COMPLETED:

- Task 1: Project Management
 - Invoices, Progress Reports
 - Check In One – June 21st, 2024
- Task 2: Literature Review
 - Draft Literature Review – generated and submitted
 - Working on Finalizing based on comments from Check In One
- Task 3: Survey of Practices
 - Draft Survey Questions - generated and submitted
 - Working on Finalizing based on comments from Check In One
- Task 4: Variables and Methodology
 - Starting to gather and organize variables

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Task 1: Project Management
 - Budget and schedule management
 - Check In Two
- Task 2: Literature Review
 - Submit Final
- Task 3: Survey of Practices
 - Finalize questions and execute survey
 - Summary Results for Check In Two
- Task 4: Variables and Methodology
 - Draft the variables and methodology deliverables – Draft List of Data Inputs & Tool Methodology

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