

State Planning and Research Program Quarterly Report

PROJECT TITLE: *Use of Dashboards for Winter Operations*

OBJECTIVES: This project focuses on all aspects of dashboarding to provide the most complete understanding for state winter maintenance managers to track and manage winter maintenance operations. Another goal is to determine how the information from these dashboards may be used to communicate with agency executives and legislators, and potentially the public.

PERIOD COVERED: July 1 to September 30, 2023

PARTICIPATING AGENCIES: Minnesota Department of Transportation, Clear Roads Pooled Fund, and AECOM Technical Services, Inc.

PROJECT MANAGER:

Hafiz Munir / Tom Peters

SP&R PROJECT NO:

MnDOT Contract No.
1051128

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: \$74,477.32

PROJECT EXPENDITURES TO DATE: \$28,964.20

WORK COMPLETED:

- Task 1: Project Management
 - Prepared progress reports and invoices.
- Task 2: Literature Review
 - Finalized literature review summary.
- Task 3: Survey of Practices
 - Finalized survey questions.
 - Distributed survey questions to target groups.
 - Gathered and analyzed survey responses.
 - Prepared a draft report to summarize survey results and findings and provide recommended agencies for case studies.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Task 1: Project Management
 - Conduct a Check-in Meeting to review survey results and discuss recommendations on selection of case study agencies.
- Task 3: Survey of Practices
 - Finalize survey summary report.
 - Finalize selection of case study agencies.
- Task 4: Development of Case Studies
 - Draft interview questions for case studies.
 - Contact case study agencies to schedule interviews.
 - Conduct case study interviews.

STATUS AND COMPLETION DATE:

On schedule and budget. Expected project completion June 30, 2024.