

## 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:** October 1 to December 31, 2023

**PARTICIPATING AGENCIES:** Minnesota Department of Transportation and the Clear Roads Technical Advisory Committee

**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:** \$42,698.66

**WORK COMPLETED:**

- Task 1: Project Management
  - Prepared progress reports and invoices.
  - Conducted a check-in meeting with the project subcommittee to review the draft survey summary report and case study agency recommendations.
- Task 3: Survey of Practices
  - Prepared a draft report summarizing survey results and findings and providing recommended agencies for case studies.
  - Finalized survey summary report and the selection of case study agencies.
- Task 4: Development of Case Studies
  - Drafted interview questions for case studies.
  - Reviewed the interview questions with the project subcommittee.
  - Finalized the case study interview questions.
  - Contacted case study agencies to schedule interviews.
  - Conducted case study interviews with Iowa, North Dakota, and Kentucky.

**SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:**

- Task 1: Project Management
  - Conduct a Check-in Meeting to review case study summaries and findings.
- Task 4: Development of Case Studies
  - Conduct case study interviews with Ohio and Virginia.
  - Draft case study interview summaries.
  - Prepare draft case study reports.
  - Finalize case study reports.
- Task 5: Synthesis Report and Webinar
  - Initiate the development of the synthesis report.

**STATUS AND COMPLETION DATE:**

The project is on budget but is approximately one month behind schedule due to challenges with scheduling interviews with case study agencies.