

**State Planning and Research Program
Quarterly Report**

PROJECT TITLE: *Alternative Methods for Deicing*

OBJECTIVES: To aid winter maintenance managers in better understanding the performance and impacts of alternative methods for deicing, which may include non-chloride based deicers, blends of deicing products or the utilization of methods of deicing to reduce the number of applications or application rates of deicers.

PERIOD COVERED: July 1 – September 30, 2019

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

PROJECT MANAGER:

Lisa Jansen / Tom Peters

SP&R PROJECT NO:

MnDOT Contract No.

PROJECT IS:

 Planning
 X Research & Development

LEAD AGENCY: Mn/DOT

Federal Project Number:
TPF-5(353)

PRINCIPAL INVESTIGATOR:

Laura Fay, Western Transportation Institute
– Montana State University

ANNUAL BUDGET: \$77,529

PROJECT EXPENDITURES TO DATE: \$ 30,527

WORK COMPLETED:

- The Task 1 Kick off meeting was held March 4, 2019. Meeting notes were submitted to the TAC March 5, 2019.
- The Task 2 – Literature Review and Reference Document was submitted to the TAC May 15, 2019.
- A check in meeting was held May 17, 2019 to discuss the Task 1 document and draft survey. Feedback from the TAC on Task 2 and the survey were addressed.
- The Task 3 – Survey was released May 21, 2019 and closed July 12, 2019. Once processed, 91 survey responses from six counties, 28 US states, and two Canadian provinces were received. Survey results were submitted to the TAC on August 21, 2019. A meeting was held August 30, 2019 to discuss the survey results.
- The Task 4 – Interviews/Case Studies, the top 10 case study topics were sought from the TAC and have been identified. These are currently being developed into Case Studies.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Task 4 – Interviews/Case Studies will be developed and submitted to the TAC for review and comment.
- A meeting to review the Task 4 deliverable will be scheduled for mid-November.
- Work on Task 5 – Recommendation will begin.

STATUS AND COMPLETION DATE:

The Tasks 1, 2, and 3 are completed. Task 4 is currently being accomplished. The research team with work with to request a time extension for this project. Budget expenditures are in line with the project work that has been accomplished.