

**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: April 1 – June 30, 2019

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

PROJECT MANAGER:

Lisa Jansen / Tom Peters

LEAD AGENCY: MnDOT

PRINCIPAL INVESTIGATOR:

Laura Fay, Western Transportation Institute
– Montana State University

SP&R PROJECT NO:

MnDOT Contract No.
1003322, wo4

Federal Project Number:
TPF-5(353)

PROJECT IS:

Planning
 Research & Development

ANNUAL BUDGET: \$77,529

PROJECT EXPENDITURES TO DATE: \$ 17,150

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 will officially close July 12, 2019. At this time we have received 99 online responses and 13 paper responses.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Task 3 – Survey Results will be submitted July 31, 2019 for TAC review.
- A meeting to review the Task 2 deliverable will be scheduled for mid-August.
- Work on Task 4 – Case Studies will begin.

STATUS AND COMPLETION DATE:

The Tasks 1 and 2 are completed. Task 3 is near completion. At this time this effort is on time and on budget.