

**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:** January – March 2019

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

**PROJECT MANAGER:**

Lisa Jansen/ Tom Peters

**LEAD AGENCY:** Mn/DOT

**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:** \$ 2,522

**WORK COMPLETED:**

- Kick off meeting was held March 4, 2019. Meeting notes were submitted to the TAC March 5, 2019.
- In this quarter we have been actively working on Task 1 – Literature Review and Reference Document.

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

- Task 1 – Literature Review update and Reference Document will be submitted April 30, 2019 for TAC review.
- Meeting to review Task 1 deliverable is scheduled for May 17, 2019 at 11am MT.
- The Task 2 survey will be developed and submitted to TAC for review, comment, and approval prior May 21, 2019 APWA Snow and Ice Conference where the survey will be disseminated to conference attendees. Survey will be distributed online to all national and international contacts, and in person at the Canadian APWA Snow and Ice Conference (June 4-6, 2019).

**STATUS AND COMPLETION DATE:**

The Task 1 effort is on time and on budget.