## PROJECT TITLE:
Quantifying the Impact New Capital Projects will have on Roadway Snow and Ice Control Operations

## OBJECTIVES:

1. Survey other state DOTs for potential case studies
2. Develop a Methodology
3. Develop a Calculation Tool
4. Apply the Tool to the Case Studies

## PERIOD COVERED:
October 1, 2017 – December 31, 2017

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

## PROJECT MANAGER:
Debra Fick/ Tom Peters

## LEAD AGENCY:
Mn/DOT

## PRINCIPAL INVESTIGATOR:
Jim Sullivan, University of Vermont

## SP&R PROJECT NO:
MnDOT Contract No. 06428

## Federal Project Number:
TPF-5(218)

## PROJECT IS:
Planning
Research & Development

## TOTAL BUDGET:
$145,622

## PROJECT EXPENDITURES TO DATE:
100%

## WORK COMPLETED:

- Completed survey data collection and preliminary selection of case studies
- Completed the first round of field data collection for four case study routes in NH and Minnesota
- Completed the integrated RSIC model development and tested its application for Vermont
- Applied the integrated RSIC model to four case studies in Vermont
- Created and delivered presentation materials for the Task 2 deliverable
- Participated in the third of four teleconferences (kickoff, Task 1, and Task 2)
- Conducted the second round of field data for four case study routes in NH and Minnesota
- Completed development of the MS Excel decision-support tool
- Completed and submitted the Draft Project Report for review
- Conducted webinar presentation
- Incorporated comments and submitted Final Project Report

## SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:
None.

## STATUS AND COMPLETION DATE:
Project is complete.