

State Planning and Research Program Quarterly Report

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, 2015 – December 31, 2015

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

PROJECT MANAGER:

Debra Fick/ Tom Peters

SP&R PROJECT NO:

MnDOT Contract No.
06428

PROJECT IS:

 Planning
 X Research & Development

LEAD AGENCY: Mn/DOT

PRINCIPAL INVESTIGATOR:

Jim Sullivan, University of Vermont

Federal Project Number:
TPF-5(218)

ANNUAL BUDGET: \$145,622 (through January 31, 2017)

PROJECT EXPENDITURES TO DATE: \$38,375

WORK COMPLETED:

- Participated in the second of four project teleconferences
- Completed the selection of case studies and began coordinating field data collection, mailed out GPS monitoring devices to four (4) case study sites in New Hampshire and Minnesota
- Continued method development, integrating the RSIC model with the NRI model and the statewide travel model

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Continue field data collection using GPS devices in plow trucks in New Hampshire, Vermont, and Minnesota
- Continue method development, integrating the RSIC model with the NRI model and the statewide travel model

STATUS AND COMPLETION DATE: In spite of the late start for the first project teleconference and the survey (one month late) in the first quarter, the project is still on schedule since these tasks are not on the critical path. The second task was started one month early to ensure that the project remained on schedule. Therefore, the project completion data is still projected to be January 31, 2017.