

State Planning and Research Program Quarterly Report

PROJECT TITLE:

Identifying Best Practices for Snowplow Route Optimization

OBJECTIVES:

- Document the best practices and available tools for the optimization of snowplow routes, section/district boundaries, and facility placement through:
 - Literature search and transportation agency survey
 - Interviews with agencies
 - Development of evaluation criteria and an evaluation matrix
- Disseminate findings through webinar and final report

PERIOD COVERED: January 1, 2016 – March 31, 2016

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

PROJECT MANAGER:

Tom Peters

SP&R PROJECT NO:

MnDOT Contract No.:
06741

PROJECT IS:

 Planning
 X Research & Development

LEAD AGENCY: Mn/DOT**PRINCIPAL INVESTIGATOR:**

Jonathan Dowds, University of Vermont

Federal Project Number:
TPF-5(218)

ANNUAL BUDGET: \$68,305

PROJECT EXPENDITURES TO DATE: \$22,000

WORK COMPLETED:

- Completed Literature Review for review by the Technical Advisory Committee
- Drafted Snowplow Route Optimization survey
- Began compilation of optimization project evaluation criteria

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Complete Snowplow Route Optimization survey to state DOT and other transportation agencies
- Evaluate of survey results to select optimization projects for final review
- Finalize optimization project evaluation criteria
- Complete RSIC optimization project interviews

STATUS AND COMPLETION DATE: The project is on schedule to be completed by January 31, 2017.