

State Planning and Research Program Quarterly Report

PROJECT TITLE: *Synthesis on Global Positioning Systems/Automatic Vehicle Location Equipment Used for Winter Maintenance*

OBJECTIVES: Gain a better understanding of available GPS/AVL products and vendors available for winter maintenance operations through a literature/product information search and survey. Develop a survey, equipment guide, a synthesis of policies, and a final report and presentation materials.

PERIOD COVERED: 7/1/15 to 9/30/15

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.
06427

PROJECT IS:

Planning
 Research & Development

LEAD AGENCY: Mn/DOT

PRINCIPAL INVESTIGATOR:
Adrian Potter, SRF Consulting Group

ANNUAL BUDGET:
\$59,376.19

PROJECT EXPENDITURES TO DATE:
\$39,135.29

WORK COMPLETED:

- Survey conducted online and results gathered using the SurveyMonkey platform.
- Framework of portions of the equipment guide developed.
- Presented raw data from survey to subcommittee using tables that related data categories.
- Held teleconference with subcommittee to discuss survey results and determine direction of equipment guide and synthesis of policies deliverables.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Continue to analyze survey results using tables and cross tabulations.
- Conduct additional research and literature search activities based on survey results.
- Develop equipment guide based on survey results and research.
- Develop synthesis of policies and impacts based on survey results, research, and information provided by the subcommittee.
- Develop final report and PowerPoint presentation materials.

STATUS AND COMPLETION DATE:

- Approximately 65% complete with all tasks as of 9/30/15.
- Will provide a draft equipment guide to Clear Roads Technical Advisory Committee during October.
- Contract end has been revised via amendment to 1/31/16.
- Will establish intermediate goals with the subcommittee to facilitate completion of all tasks.