

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: 4/1/15 to 6/30/15

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:
\$29,153.41

WORK COMPLETED:

- Development of survey questions. Near finalizing survey and its format.
- Pilot survey developed in SurveyMonkey platform online.
- Product information gathered as part of literature search
- Policy and practice information gathered as part of literature search
- Framework of portions of the equipment guide developed

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Conduct survey.
- Compile and analyze survey results.
- Conduct additional research and literature search activities based on survey results.
- Develop equipment guide.
- Develop synthesis of policies and impacts.
- Start development of final report and PowerPoint presentation materials

STATUS AND COMPLETION DATE:

- Approximately 45% complete with all tasks as of 6/30/15.
- Nearing rollout of survey once questions are refined and format agreed upon with subcommittee.
- Will determine schedule of survey rollout and completion with Clear Roads Technical Advisory Committee.
- Contract end was 7/31/15. An amendment has been requested for project work to continue past this date, ending no later than 1/31/16.
- Will establish intermediate goals with the subcommittee to facilitate completion.