**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  
**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.