

## State Planning and Research Program Quarterly Report

**PROJECT TITLE:** 14-04: Plug and Play Phase II

**OBJECTIVES:** This project will build on the efforts of both the Plug and Play Initiative and the Connected Vehicle Project to define a standardized set of data (attributes and units of measure) available from winter operations equipment and then identify the standards for the transmission of data from vehicle to a point location.

**PERIOD COVERED:** October 1 to December 31, 2016

**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. 06909

**PROJECT IS:**

Planning  
 Research & Development

**LEAD AGENCY:** MnDOT

Federal Project Number:  
TPF-5(218)

**PRINCIPAL INVESTIGATOR:**

Scott Petersen

**ANNUAL BUDGET:** \$54,459  
(Total budget: \$81,690)

**PROJECT EXPENDITURES TO DATE:** \$ 80,971.19

**WORK COMPLETED:**

- Held Kickoff Meeting and two project progress meetings
- Developed problem statement clarification document
- Completed Draft Literature Review
- Finalized problem statement
- Completed Draft Agency Survey Results
- Followed up with Industry Survey respondents and compiled results into a report
- Developed winter maintenance types list and recommendations
- Developed Draft Final Report and PowerPoint

**SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:**

- Make edits to final project documents per Subcommittee comments.

**STATUS AND COMPLETION DATE:**

The project timeline has been amended to allow for additional review time between draft and final deliverables. The industry survey task deadline was to accommodate the need for extra survey response effort.

The project is expected to be completed by January 31, 2017.