

State Planning and Research Program Quarterly Report

PROJECT TITLE: Standards and Guidance for Using Mobile Sensor Technology to Assess Winter Road Conditions

OBJECTIVES: Create guidance for using weather sensing technology to assess road conditions. Undertake rigorous field testing of equipment from major manufacturers in order to develop standardized measurement scales for each parameter. Develop metrics that can be used to describe road conditions.

PERIOD COVERED: February 8 to March 31, 2017

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.
1026091

PROJECT IS:

Planning
 Research & Development

LEAD AGENCY:

MnDOT

Federal Project Number:
TPF-5(218)

PRINCIPAL INVESTIGATOR:

Scott Petersen

ANNUAL BUDGET: \$76,190

PROJECT EXPENDITURES TO DATE: \$ 6,444.59

WORK COMPLETED:

- Held Kickoff Meeting
- Began literature review

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Write Literature Search Synthesis
- Conduct survey & interviews
- Write draft Test Methodology

STATUS AND COMPLETION DATE:

Project is on schedule.

The project completion date is April 30, 2019.