

**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: April 1 to June 30, 2018

PARTICIPATING AGENCIES: Minnesota Department of Transportation and the Clear Roads Technical Advisory Committee

PROJECT MANAGER:

Debra Fick/ Tom Peters

LEAD AGENCY: MnDOT

PRINCIPAL INVESTIGATOR:

Mark Gallagher (replacing Scott Petersen for SRF Consulting Group)

SP&R PROJECT NO:

MnDOT Contract No.
1026091

Federal Project Number:
TPF-5(218)

PROJECT IS:

Planning
 Research & Development

ANNUAL BUDGET: \$76,190

PROJECT EXPENDITURES TO DATE: \$108,592.82

WORK COMPLETED:

- Completed and sent first draft of testing memorandum
- Began second draft based on committee comments
- Began work on standards memorandum
- Began drafting sections of final report

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Finalize testing memorandum
- Meet via teleconference with technical committee
- Draft preliminary standards document.

STATUS AND COMPLETION DATE:

The project completion date is April 30, 2019.

A contract extension was approved to provide adequate time for survey development and review.