

## State Planning and Research Program Quarterly Report

**PROJECT TITLE:** *Integrating Advanced Technologies into Winter Operations Decision*

**OBJECTIVES:** Provide systems-level guidance on the many new technologies available to evaluate road conditions in an integrated blueprint. Topics include emerging technologies, performance monitoring and overall investment recommendations.

**PERIOD COVERED:** October 1 to December 31, 2019

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

**PROJECT MANAGER:**  
Debbie Sinclair / Tom Peters

**LEAD AGENCY:** MnDOT

**PRINCIPAL INVESTIGATOR:**  
Mark Gallagher, SRF

**SP&R PROJECT NO:**  
MnDOT Contract No.  
1028784

Federal Project Number:  
TPF-5(535)

**PROJECT IS:**

Planning  
 Research & Development

**ANNUAL BUDGET:** \$45,155;  
Total budget: \$90.311.

**PROJECT EXPENDITURES TO DATE:** \$50,984.09

**WORK COMPLETED:**

- Presented survey results
- Began conducting follow-up interviews

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

- Continue conducting follow-up interviews
- Submit recommendations technical memo
- Begin data analytics tool summary technical memo

**STATUS AND COMPLETION DATE:**

Project completion date amended to June 20, 2020 to accommodate unexpected staff medical leave during Q4 2018 and Q1 2019

Original project completion date was September 30, 2019.

Task 3 (Survey) has exceeded budget due to staff availability issues resulting from medical leave, and solicitation of additional responses based on feedback from the TAC. Overall budget is not expected to be affected.