

**State Planning and Research Program
Quarterly Report**

PROJECT TITLE: *Aftermarket Cameras in Winter Maintenance Vehicles*

OBJECTIVES: Research the existing uses of cameras on winter maintenance vehicles and provide recommendations for best practices regarding their selection, installation, use and maintenance.

PERIOD COVERED: April 1 to June 30, 2020

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 Consulting

SP&R PROJECT NO:
MnDOT Contract No.
1028783

Federal Project Number:
TPF-5(535)

PROJECT IS:
 Planning
 Research & Development

ANNUAL BUDGET: \$44,434
Total Project Budget: \$92,977.42

PROJECT EXPENDITURES TO DATE: \$51,627.89

WORK COMPLETED:

- Determined pilot deployment partner and scope

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- None. Pilot deployment to be conducted during the winter of 2020-21.

STATUS AND COMPLETION DATE:

Project contract has been amended to adjust project completion date to June 30, 2021. Project completion date was first amended to June 30, 2020. Original project completion date was October 31, 2019.

NOTE: Circulation of draft survey document to technical advisory committee was delayed. Project will attempt to compensate with accelerated schedule so that final survey report will remain on time. Guidance is being sought from committee members and others regarding potential survey recipients/respondents.

Task 6 (Recommendations) has exceeded budget due to the unforeseen need to obtain additional information. Overall budget is not expected to be affected.

MnDOT District 4 has been identified as a partner for Task 8 (Pilot Deployment). Completion of Task 8 requires winter conditions. Due to the initial difficulties in identifying a project partner and scope, completion of the pilot deployment is delayed until Winter 2020-21.