

**State Planning and Research Program
Quarterly Report**

PROJECT TITLE: *Expanded Use of AVL/GPS Technology*

OBJECTIVES: To help state transportation agencies optimize the value gained from the acquisition of AVL/GPS units by deploying them year-round, rather than just in winter maintenance operations.

PERIOD COVERED: October 1, 2021 to December 31, 2021

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

PROJECT MANAGER:

Hafiz Munir / Tom Peters

SP&R PROJECT NO:

MnDOT Contract No.
1044528

PROJECT IS:

Planning
 Research & Development

LEAD AGENCY: MnDOT

Federal Project Number:
TPF-5(353)

PRINCIPAL INVESTIGATOR:

Ming-Shiun Lee, PhD, PE
AECOM Technical Services, Inc.

ANNUAL BUDGET: \$73,123.72

PROJECT EXPENDITURES TO DATE: \$ 27,606.90

WORK COMPLETED:

- Task 2: Survey of Practice
 - Developed a survey summary report.
 - Identified case study recommendations.
 - Conducted a progress meeting with the Subcommittee.
 - Finalized survey summary report and case study recommendations.
- Task 3: Develop Case Studies
 - Developed case study interview questions.
 - Initiated contacts with case study interview agencies.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Task 3: Develop Case Studies
 - Conduct case study interviews.
 - Prepare case study interview summaries.
 - Initiate the development of case study reports.

STATUS AND COMPLETION DATE:

On schedule and budget. Expected project completion August 31, 2022.