

**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: January 1 to March 31, 2022

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: \$44,897.08

WORK COMPLETED:

- Task 3: Develop Case Studies
 - Conducted case study interviews with 5 public agencies.
 - Prepared case study interview summaries.
 - Collected additional information and photos from interviewed agencies.
 - Drafted case study reports.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Task 3: Develop Case Studies
 - Distribute draft case study reports to the Subcommittee for review.
 - Conduct a check-in meeting with the Subcommittee to review case study reports.
 - Finalize case study reports.
- Task 4: Final Report and Webinar
 - Develop draft final report.

STATUS AND COMPLETION DATE:

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