

## 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:** April 1 to June 30, 2022

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

**PROJECT MANAGER:**  
Hafiz Munir / Tom Peters

**SP&R PROJECT NO:**

**PROJECT IS:**

**LEAD AGENCY:** MnDOT

MnDOT Contract No.  
1044528

Planning  
 Research & Development

**PRINCIPAL INVESTIGATOR:**  
Ming-Shiun Lee, PhD, PE  
AECOM Technical Services, Inc.

Federal Project Number:  
TPF-5(353)

**ANNUAL BUDGET:** \$73,123.72

**PROJECT EXPENDITURES TO DATE:** \$53,028.39

**WORK COMPLETED:**

- Task 3: Develop Case Studies
  - Conducted a check-in meeting with project subcommittee to review the draft case study reports.
  - Conducted a follow-up meeting with project subcommittee to discuss comments on the draft case study reports.
  - Finalized case study reports.
  - Conducted additional interviews with two state DOTs.
- Task 4: Final Report and Webinar
  - Initiated final report development.

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

- Task 3: Develop Case Studies
  - Conduct an interview with Colorado DOT and prepare interview summary.
- Task 4: Final Report and Webinar
  - Develop draft final report.

**STATUS AND COMPLETION DATE:**

On budget. Project was about 2 months behind schedule due to interviews with additional agencies are desired. A request for extending the contract end date is in progress.