

**State Planning and Research Program
Quarterly Report**

PROJECT TITLE: *Evaluation of Indoor Automated Stockpile Measurement Systems*

OBJECTIVES: The goal of this project is to conduct a data-driven evaluation of currently available automated or semi-automated indoor salt stockpile measuring systems in order to improve agencies' day-to-day management of their salt stockpile inventories.

PERIOD COVERED: Q3 2022 (July 1 through September 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: MnDOT Contract No. 1030951	PROJECT IS: _____ Planning <u> X </u> Research & Development
LEAD AGENCY: MnDOT	Federal Project Number: TPF-5(353)	
PRINCIPAL INVESTIGATOR: Brian Hirt, CTC & Associates		

ANNUAL BUDGET: \$84,727.00
(18-month project budget)

PROJECT EXPENDITURES TO DATE: \$40,580.06

WORK COMPLETED:

- **Task 1: Project Management.** Coordinated communication among Technical Advisory Panel (TAP) members. Planned next steps for the project.
- **Task 7: Data Analysis of System Performance.** Completed data analysis.
- **Task 8: Final Report and Brief.**
 - Completed first draft of the report.
 - Submitted draft final report to the project TAP.
 - Prepared update and findings PowerPoint for the fall Clear Roads meeting; presented to the full Technical Advisory Committee TAC and answered questions.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- **Task 1: Project Management.**
 - Continue project coordination.
- **Task 8: Final Report and Brief.**
 - Meet with the project TAP to collect comments and make final revisions to the report.
 - Write, lay out, and deliver two-page project brief.

STATUS AND COMPLETION DATE:

This project is on track for completion by November 30, 2022.