

## State Planning and Research Program Quarterly Report

**PROJECT TITLE:** Identification and Recommendations for Correction of Equipment Factors Causing Fatigue in Snowplow Operations

**OBJECTIVE:** Identify in-cab and external equipment factors that cause operator fatigue in snowplow operations

**PERIOD COVERED:** July 1, 2017, to September 30, 2017

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

**PROJECT MANAGER:**

Debra Fick/Tom Peters

**LEAD AGENCY:** Mn/DOT

**PRINCIPAL INVESTIGATOR:**

Jeffrey Hickman

**SP&R PROJECT NO:**

MnDOT Contract No.

1001325

Federal Project Number:

TPF-5(218)

**PROJECT IS:**

Planning

Research & Development

**ANNUAL BUDGET:** \$200,000 (project budget)

**PROJECT EXPENDITURES TO DATE:** \$90,569.06

**WORK COMPLETED:**

- **Task 8: Analyze Questionnaire Results.** The project subcommittee approved the Task 8 Report on July 17, 2017, with no requested revisions.
- **Task 9: Develop a Prioritized Scale of Equipment Fatigue and Assess Cost-Benefit Recommendations for Solutions.** The VTTI team made revisions to the Task 9 report based on feedback from the project subcommittee. The revised Task 9 report was approved by the project subcommittee on August 7, 2017.
- **Task 10: Final Recommendations and Technology Transfer Resources.** The VTTI team made revisions to the Task 10 report based on feedback from the project subcommittee. The revised Task 10 report was submitted on August 25, 2017, and approved on September 8, 2017.
- **Task 11: Draft Final Report.** The VTTI Team compiled the reports from the previous tasks into a Draft Final Report. The Draft Final Report was submitted to the project subcommittee for review on September 20, 2017.

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

- The project subcommittee will provide the VTTI team with comments and suggestions on the Task 11 Draft Final Report.
- The VTTI team will conduct the final briefing with all Clear Roads members on October 30, 2017.
- The VTTI team will revise the Task 11 Draft Final Report based on comments from the project subcommittee and comments from the final briefing.
- The VTTI team will complete Task 12: Final Report and the Final Webinar.

**STATUS AND COMPLETION DATE:**

This project is currently ongoing and ends on December 31, 2017.