

## State Planning and Research Program Quarterly Report

**PROJECT TITLE:** Standard Specifications for Plow Blades with Carbide Inserts

**OBJECTIVES:** Develop a set of accepted specifications and drawings to be used by multiple agencies.

**PERIOD COVERED:** January 1, 2019 – March 31 2019

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

**PROJECT MANAGER:**

Lisa Jansen / Tom Peters

**SP&R PROJECT NO:**

MnDOT Contract No.

1028785

**PROJECT IS:**

Planning

Research & Development

**LEAD AGENCY:** Mn/DOT

Federal Project Number:

TPF-5(353)

**PRINCIPAL INVESTIGATOR:**

Erik Minge, SRF Consulting Group

**ANNUAL BUDGET:** \$53,788

**PROJECT EXPENDITURES TO DATE:** \$37,763

**WORK COMPLETED:**

- Submitted draft Vendor Input and Provided Documentation memorandum (Task 2), incorporated TAC comments, and submitted final.
- Visited a carbide plant for one of the largest manufacturers of snow plow blades and compiled findings in a memorandum.
- Completed plow blade vendor outreach to assess current practices in regards to Acceptable Quality Levels of carbide inserts and the manufacturing process (part of Task 3).

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

- Continue progress on data synthesis and analysis (Task 3) of compiled specifications to provide the TAC with draft recommendations of necessary and unnecessary specifications
- Upon Task 3 approval and completion, begin writing standard specifications for plow blades with carbide inserts and CAD drawings.

**STATUS AND COMPLETION DATE:** Progress continues to be made on Task 3 – data synthesis and analysis. In coordination with the PM (Greg Waidley), we submitted a contract amendment with a time extension due to delays related to survey responses as well as the additional scope added for the plant visit. The submitted revised end date for the project is 10/31/2019. We are working hard to stay on this schedule.