

**State Planning and Research Program  
Quarterly Report**

**PROJECT TITLE:** *High Performance Blade Evaluation*

**OBJECTIVES:** The objective of this project is to develop a field test protocol and cost-benefit analysis methodology that can be reproduced by Clear Roads agencies in future testing, so that other blades can be evaluated and compared using the same standard procedures used in this project.

**PERIOD COVERED:** April 1 to June 30, 2019

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

**PROJECT MANAGER:**

Lisa Jansen / Tom Peters

**LEAD AGENCY:** MnDOT

**PRINCIPAL INVESTIGATOR:**

William Schneider, University of Akron

**SP&R PROJECT NO:**

MnDOT Contract No.  
1031542

Federal Project Number:  
TPF-5(353)

**PROJECT IS:**

Planning  
 Research & Development

**ANNUAL BUDGET:** \$99,673.66  
(Project Budget)

**ESTIMATED PROJECT EXPENDITURES TO DATE:**  
\$5,723

**WORK COMPLETED:**

- Task 1: Literature review compiled in matrix-style summary (100%)
- Task 2: Survey of DOTs in matrix-style summary (25%)
- Task 3: List of potential blades for research (25%)

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

- Task 2 should be finalized
- Task 3 should be finalized
- Task 4: Testing protocol for winter season should be started

**STATUS AND COMPLETION DATE:**

The project is currently on schedule and on budget and will be completed by July 31, 2020.