

**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: October 1, 2019 - December 31, 2019

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

PROJECT MANAGER:
Debbie Sinclair / Tom Peters

SP&R PROJECT NO:
MnDOT Contract No.
1031542

PROJECT IS:

LEAD AGENCY: MnDOT

Federal Project Number:
TPF-5(353)

Planning
 Research & Development

PRINCIPAL INVESTIGATOR:
William Schneider IV, PhD.,
University of Akron

ANNUAL BUDGET: \$99,673.93 (Project Budget)

PROJECT EXPENDITURES TO DATE: \$ 12, 247.18

WORK COMPLETED:

- Task 1: Literature review compiled in matrix-style summary (100%)
- Task 2: Survey of DOTs in matrix-style summary (100%)
- Task 3: List of potential blades for research (100%)
- Task 4: Testing Protocol (100%)

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Task 5: Field data collection should be nearly completed (75%)
- Task 6: Easy to follow guide should be completed

STATUS AND COMPLETION DATE:

Task 5 should be completed by 4/30/2020.

Task 6 draft should be completed by 2/28/2020.

The project is currently on schedule and on budget and will be completed by June 30, 2020.