

## State Planning and Research Program Quarterly Report

**PROJECT TITLE:** *Review and Summary of Pre-Wet Methods and Procedures*

**OBJECTIVES:** The goal of this research is to “to compile a summary of pre-wetting practices, including equipment, materials, methods, and application rates and identify the history of successes and failures that have contributed to the current practices”.

**PERIOD COVERED:**

July 1, 2019– September 30, 2019

**PARTICIPATING AGENCIES:**

Washington State University – Prime  
Monte Vista Associates LLC – Subcontractor  
Ice and Snow Technologies, Inc. - Subcontractor

**PROJECT MANAGER:**

Lisa Jansen / Tom Peters

**SP&R PROJECT NO:**

MnDOT No. 1031544

**PROJECT IS:**

\_\_\_\_ Planning  
 X  Research & Development

**LEAD AGENCY:** Mn/DOT

Federal Project ID:  
TPF-5(353)

**PRINCIPAL INVESTIGATOR:**

Xianming Shi, Ph.D., P.E.

**ANNUAL BUDGET:**

\$74,722

**PROJECT EXPENDITURES TO DATE:**

\$0

**WORK COMPLETED:**

*Project Management*

This contract was officially signed in early July 2019 and the PI worked with the Clear Roads coordinator and the project panel of CR 18-04 to conduct a kickoff meeting of this project on July 19, 2019. At the kickoff meeting, the PI informed the project panel that Michelle Akin (a key personnel on the project) had left WSU in June 2019. The project panel thus requested that the PI (Dr. Xianming Shi) draft a plan for replacing Michelle Akin. This plan has since been reviewed and approved by the project panel, which has resulted in a three-month delay in the project schedule. WSU is working through the process to get the revised budget approved.

- Task 1. Literature review (0% complete)
- Task 2. Survey questions (0% complete)
- Task 3. Interviews and case studies (0% complete)
- Task 4. Outreach to manufacturers (0% complete)
- Task 5. Final synthesis report (0% complete)

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

Work in the coming quarter will consist of project management as well as the beginning of Task 1 and Task 2.

**STATUS AND COMPLETION DATE:**

A no-cost time extension is being prepared and will seek official approval by MnDOT in Oct. 2019. The new project timeline (in light of the delay in receiving the panel reviews) is shown as follows.

Task	Current Task Start Date	Current End Date for Task Approval	Revised Task Start Date	Revised Due Date to Submit Draft Deliverables	Revised End Date for Task Approval
1	07/01/2019	11/30/2019	10/01/2019	1/31/2020	2/28/2020
2	09/01/2019	1/31/2020	12/1/2019	3/31/2020	4/30/2020
3	12/01/2019	3/31/2020	3/1/2019	7/31/2020	8/31/2020
4	01/01/2020	4/30/2020	4/1/2020	8/31/2020	9/30/2020
5	03/01/2020	7/31/2020	7/1/2020	11/30/2020	12/31/2020