

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:

October 1, 2019– December 31, 2019

PARTICIPATING AGENCIES:

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

PROJECT MANAGER: Tom Peters

SP&R PROJECT NO:
MnDOT No. 1031544

PROJECT IS:

LEAD AGENCY: Mn/DOT

Federal Project ID:
TPF-5(353)

____ Planning
 X Research & Development

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 C.R. 18-04 to conduct a kickoff meeting of this project on July 19, 2019. At the kickoff meeting, the project panel requested the PI (Dr. Xianming Shi) to draft a plan for replacing Michelle Akin (a key personnel who left WSU in June 2019) and this plan has since been reviewed and approved by the project panel. So there is a three-month delay in officially kicking off this project.

The revised budget was approved by the project panel and the research team is ready to proceed with the project.

Task 1. Literature review (10% complete). Work has started on this task.

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 execution 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