

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 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:
Jan 1, 2020 – March 31, 2020

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

<p>PROJECT MANAGER: Tom Peters</p> <p>LEAD AGENCY: MnDOT</p> <p>PRINCIPAL INVESTIGATOR: Xianming Shi, Ph.D., P.E., WSU</p>	<p>SP&R PROJECT NO: MnDOT No. 1031544</p> <p>Federal Project No. TPF-5(353)</p>	<p>PROJECT IS:</p> <p style="text-align: center;">___ Planning <u> X </u> Research & Development</p>
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<p>ANNUAL BUDGET: \$74,722</p>	<p>PROJECT EXPENDITURES TO DATE: \$5,877</p>
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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 was ready to proceed with the project in late January 2020.

- Task 1. Literature review (90% complete). The project team submitted to the project panel a draft literature review in March 2020.
- Task 2. Survey questions (30% complete). The project team submitted to the project panel a draft survey questionnaire and then finalized the survey, implemented it online and distribute the survey online in March 2020.
- 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 completion of Tasks 1 and 2 and the beginning of Tasks 3 and 4.

STATUS AND COMPLETION DATE:

The revised project timeline is shown as follows. Partially due to the Coronavirus outbreak and subsequent lock-down of campus etc., we anticipate continued delays on Task 2 (by about two months) and thus some delay on Task 3 and Task 4. We will try to catch up on the schedule in the next two quarters.

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