

State Planning and Research Program Quarterly Report

PROJECT TITLE: *CR 21-02: Update to CR 13-04: Best Practices for Protecting DOT Equipment from the Corrosion effect of Chemical Deicers*

OBJECTIVES: Overall, this project aims to produce new data and renewed understanding to update the anticorrosion coating section of *CR 13-04 - Manual of Best Practices for the Prevention of Corrosion on Vehicles and Equipment* and thus provide guidance to encourage good practices and procedures that may be implemented.

PERIOD COVERED: Oct. 1 – Dec. 31, 2022

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

PROJECT MANAGER:
Hafiz Munir / Tom Peters

SP&R PROJECT NO:
MnDOT No. 1047787

PROJECT IS:

LEAD AGENCY: MnDOT

Federal Project No.
TPF-5(353)

Planning
 Research & Development

PRINCIPAL INVESTIGATOR:
Xianming Shi, Ph.D., P.E., WSU

ANNUAL BUDGET:
\$99,985

PROJECT EXPENDITURES TO DATE:
\$8,450

WORK COMPLETED:

Project Management

The PI submitted a Quarterly Progress Report in Oct. 2022.

Task 1. Survey and Market Analysis (60% complete). We have finished the survey subtask and collected more than 25 valid responses, based on which an online questionnaire was developed to gather information for the market analysis. This 2nd questionnaire was submitted to the project TAC for review.

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 Task 1 (Survey and Market Analysis) and the beginning of Task 2 (Developing the Experimental Plan).

STATUS AND COMPLETION DATE:

Partially due to the one-month delay in contract approval and the unexpected delay in securing sufficient number of survey responses, we are now about 6 months behind schedule but will try to catch up in the next 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	05/01/2022	07/31/2022			
2	07/01/2022	10/31/2022			
3	11/01/2022	07/31/2023			
4	06/01/2023	10/31/2023			
5	10/01/2023	02/28/2024			