

State Planning and Research Program Quarterly Report

PROJECT TITLE: *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:

May 1, 2022 – June 30, 2022

PARTICIPATING AGENCIES:

Washington State University – Prime
Monte Vista Associates LLC – Subcontractor
Roadtech, Inc. - Subcontractor

PROJECT MANAGER:

Hafiz Munir / Tom Peters

SP&R PROJECT NO:

MnDOT No. 1047787

PROJECT IS:

Planning
 Research & Development

LEAD AGENCY: MnDOT

Federal Project No.
TPF-5(353)

PRINCIPAL INVESTIGATOR:

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

ANNUAL BUDGET:

\$99,985

PROJECT EXPENDITURES TO DATE:

\$1,385

WORK COMPLETED:

Project Management

The PI presented the overall project to the Technical Panel on June 9, 2022, to kick off the project and receive comments and suggestions on the project scope.

Task 1. Survey and Market Analysis (2% complete). The project team has started to draft a survey questionnaire to capture practitioner insights and lessons learned by roadway agencies on the relevant issue, i.e., deicer corrosion to equipment and vehicles.

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, we are slightly behind schedule but will try to catch up in the next quarter.

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			