

**State Planning and Research Program
Quarterly Report**

PROJECT TITLE: *Using GIS to Highlight Highway Segments Sensitive to Deicing Materials*

OBJECTIVES: Develop a geospatial tool that incorporates data about roadways, topography, hydrology, and ecology to model the impact of de-icing chemical application on the local environment.

PERIOD COVERED: July 1 to September 30, 2023

PARTICIPATING AGENCIES: Minnesota Department of Transportation, Clear Roads Pooled Fund, and SRF Consulting Group.

PROJECT MANAGER:

Hafiz Munir / Tom Peters

SP&R PROJECT NO:

MnDOT Contract No.
1044529

PROJECT IS:

Planning
 Research & Development

LEAD AGENCY: MnDOT

Federal Project Number:
TPF-5(353)

PRINCIPAL INVESTIGATOR:

Mark Gallagher, SRF Consulting Group

ANNUAL BUDGET: \$49,279

REVISED: \$71,116

CURRENT PROJECT BUDGET:
\$142,430.28

PROJECT EXPENDITURES TO DATE: \$ 141,720.41

WORK COMPLETED:

- Made further updates to tool.
- Completed first video guide.
- Offered tool to testers.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Continued work on expanded scope items.
 - Complete second video guide.
 - Complete testing with the expanded testing group.
 - Final Report.

STATUS AND COMPLETION DATE:

The current contract expiration date was 9/30/2023. The contract date is being amended to 3/31/2024 with a budget increase to accommodate an expanded testing scope. This amendment is expected to be executed in October 2023.