

**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: April 1, 2021 to June 30, 2021

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

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

PROJECT EXPENDITURES TO DATE: \$ 2,940.16

WORK COMPLETED:

- Conducted project kickoff
- Began literature search (Task 2)

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Complete literature search draft
- Draft survey of practice questions (Task 3) and submit to TAC for review
- Distribute survey to respondents.

STATUS AND COMPLETION DATE:

Project start was delayed due to committee availability for kickoff. Final completion is not expected to be affected. Contract expiration date is 7/31/2022.