

State Planning and Research Program Quarterly Report

PROJECT TITLE: Updating the Impact of Capital Projects Decision Support Tool

OBJECTIVES:

- (1) Update the default values in the existing tool and expand the types of projects included in the tool.
- (2) Upgrade the tool to an interactive, web-based, dashboard-style application.

PERIOD COVERED: January 1 to March 31, 2024

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

PROJECT MANAGER:

Hafiz Munir / Tom Peters

LEAD AGENCY: MnDOT

PRINCIPAL INVESTIGATOR:

James Sullivan, UVM Transportation Research Center

SP&R PROJECT NO:

MnDOT Contract No.
1054112

Federal Project Number:
TPF-5(479)

PROJECT IS:

Planning
 Research & Development

ANNUAL BUDGET: \$58,354 (Year 1 of 2)

PROJECT BUDGET: \$148,018

PROJECT EXPENDITURES TO DATE: \$ 5,100

WORK COMPLETED:

- A kickoff meeting for the project was convened on February 15, 2024.
- Began Task 1: A set of draft survey questions (to be approved by Clear Roads prior to survey deployment) was submitted to the committee.
- Began Task 3: The review of examples of viable decision-support tools was initiated.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Continue Task 1: Distribute the survey and begin collecting response data.
- Begin Task 2: Contact DOTs with archived AVL data for access.
- Continue Task 3: Develop a mock-up of the updated decision support tool for approval.

STATUS AND COMPLETION DATE: Project is on track to be completed as originally planned, on December 31, 2025.