

**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:** October 1 to December 31, 2024

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

**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

  X   Research & Development

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

**PROJECT BUDGET:** \$148,018

**PROJECT EXPENDITURES TO DATE:** \$47,000

**WORK COMPLETED LAST QUARTER:**

- Continued Task 2: Continued calculating increases in vehicle-hours of travel per pass, service time, and salt use, as well as the potential need for additional trucks or different types of equipment from the new capital projects.
- Continued Task 3: Continued development of the draft decision-support tool for testing

**SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:**

- Complete Task 2: Complete calculating increases in vehicle-hours of travel per pass, service time, and salt use, as well as the potential need for additional trucks or different types of equipment from the new capital projects.
- Continue Task 3: Continue development of the draft decision-support tool for testing

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