

## State Planning and Research Program Quarterly Report

**PROJECT TITLE:** *Weather Event Reconstruction and Analysis Tool*

**OBJECTIVES:** To design (Part 1) and develop (Part 2) an analysis tool that allows (Clear Roads) agencies to more quickly and easily reconstruct winter weather events.

**PERIOD COVERED:** July 1 – September 30, 2019 (2019; Q3)

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

**PROJECT MANAGER:**

Lisa Jansen / Tom Peters

**LEAD AGENCY:** MnDOT

**PRINCIPAL INVESTIGATOR:**

Chris Albrecht / Leigh Sturges  
(The Narwhal Group)

**SP&R PROJECT NO:**

Mn/DOT Contract Number  
1026089

Federal Project Number  
TPF-5(218)

**PROJECT IS:**

Planning  
 Research & Development

**ANNUAL BUDGET:** \$93,222.56

**PROJECT EXPENDITURES TO DATE:** \$91,162.00

**WORK COMPLETED:**

- Held kickoff teleconference with TAC on February 24, 2017
- Completed and submitted February 24 meeting minutes to TAC
- Conducted electronic survey of Clear Roads members
- Completed and submitted both the draft and final list of data requirements for weather event reconstruction
- Produced draft data source catalog for TAC review
- Held teleconference with TAC on May 26, 2017
- Completed and submitted May 26 meeting minutes to TAC
- Completed and submitted draft and final data source catalog to the TAC
- Developed and submitted draft web tool description and system needs summary
- Held teleconference with TAC on July 17, 2017
- Completed and submitted July 17 meeting minutes to TAC
- Completed and submitted draft and final web tool proposal
- Held special teleconference with TAC on September 22, 2017
- Submitted revised Part 2 budget to Clear Roads TAC and Mn/DOT, which was accepted.
- Began work on Tasks 4 and 5, development of functioning web tool and testing functionality, respectively
- Tool was developed and functionality tested with Clear Roads TAC member agencies in January 2019
- Reconstruction and Analysis Tool has been completed and delivered to Clear Roads
- Final guidance documentation and the project final report under Tasks 6 and 8 were put together and delivered.
- One year of technical support under Task 7 remaining

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

- Technical support will be provided through March 31, 2020

**STATUS AND COMPLETION DATE:** Part 1 has been completed. The Part 2 revised budget was approved, and the final report has been delivered. Project is on schedule and on budget, with likely overall completion date of March 31, 2020.