

## 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:** April 1 – June 30, 2018 (2018Q2)

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

**PROJECT MANAGER:**

Debra Fick / 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:** \$57,549.20 (increase pending)

**PROJECT EXPENDITURES TO DATE:** \$23,207.58

**WORK COMPLETED:**

- Held kickoff teleconference with TAC on February 24, 2017
- Completed and submitted meeting minutes to TAC
- Conducted electronic survey of Clear Roads members
- Completed and submitted draft and final list of data requirements for weather event reconstruction
- Produced draft data source catalog
- Held teleconference with TAC on May 26, 2017
- Completed and submitted meeting minutes to TAC
- Completed and submitted draft and final data source catalog
- Developed and submitted draft web tool description and system needs summary
- Held teleconference with TAC on July 17, 2017
- Completed and submitted meeting minutes to TAC
- Completed and submitted draft and final web tool proposal
- Held teleconference with TAC on September 22, 2017
- Submitted revised Part 2 budget to Clear Roads TAC, which was accepted.
- Submitted revised Part 2 budget to Mn/DOT.

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

- Begin development of functioning web tool
- Test web tool functionality with Clear Roads member agencies

**STATUS AND COMPLETION DATE:** Completed Part 1, with Part 2 pending. Revised Part 2 budget is complete, with Mn/DOT approval pending. Project is on schedule and on budget, with likely overall completion date of December 31, 2019.