

**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, 2018 (2018Q3)

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

**PROJECT MANAGER:**  
Debra Fick / Tom Peters

**SP&R PROJECT NO:**  
Mn/DOT Number 1026089

**PROJECT IS:**

**LEAD AGENCY:** Mn/DOT

Federal Project Number  
TPF-5(218)

Planning  
 Research & Development

**PRINCIPAL INVESTIGATOR:**  
Chris Albrecht / Leigh Sturges  
(The Narwhal Group)

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

**PROJECT EXPENDITURES TO DATE:** \$38,080.27

**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 and Mn/DOT, which was accepted.
- Began work on Tasks 4 and 5, development of functioning web tool and testing functionality, respectively

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

- Test web tool functionality with Clear Roads member agencies
- Complete development of tool and begin production of guidance and documentation

**STATUS AND COMPLETION DATE:** Completed Part 1, with Part 2 now well underway. Revised Part 2 budget was approved. Project is once again on schedule and on budget, with likely overall completion date of December 31, 2019.