

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: January 1 – March 31, 2019 (2019, Q1)

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

PROJECT MANAGER:

Lisa Jansen / Tom Peters

LEAD AGENCY: Mn/DOT

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: \$88,561.43

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
- Tested Test functionality with Clear Roads member agencies in January
- Reconstruction and Analysis Tool has been completed and delivered to Clear Roads
- Final documentation and report under Tasks 6 and 7 is being put together, with one year of technical support remaining

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Complete guidance and documentation
- Technical support through 2019

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 approximately December 31, 2019.