

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: October 1 – December 31, 2019 (2019Q4)

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

PROJECT MANAGER:
Debbie Sinclair / 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: \$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, with a 1 year extension being proposed.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Continued technical support.

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 or possibly December 31, 2020.