

State Planning and Research Program Quarterly Report

PROJECT TITLE: *Salt Shed Design Template*

OBJECTIVES: The purpose of this project is to develop three salt shed scalable designs that can be used as templates by agencies for a variety of sites. The designs will consider a number of factors including code adherence, incorporation of state and federal regulations associated with environmental and related concerns, pad design, material selection options, construction techniques, and easy design modification.

PERIOD COVERED: January 1 – March 31, 2024

PARTICIPATING AGENCIES: Minnesota Department of Transportation, Clear Roads Pooled Fund, and Wilfred A. Nixon and Associates, LLC.

PROJECT MANAGER:
Hafiz Munir / Tom Peters

LEAD AGENCY: MnDOT

PRINCIPAL INVESTIGATOR:
Wilfrid Nixon
Wilf A. Nixon and Associates, LLC

SP&R PROJECT NO:
MnDOT Contract No.
1044530

Federal Project Number:
TPF-5(353)

PROJECT IS:

Planning
 Research & Development

ANNUAL BUDGET: \$83,326

PROJECT BUDGET: \$124,989

PROJECT EXPENDITURES TO DATE: \$ 101,474

WORK COMPLETED:

- Received an order to stop work on January 31, 2024.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Task 4: The final version of the design guide will be completed and submitted.
- Task 5 – Final Report and Webinar: the final report comprises four parts – the salt storage sizing spreadsheet and guide, the annotated design drawings, the design guide (including Recommendations), based upon the results of task 3, and the final report of the research conducted itself, which will comprise material from tasks one, two and three, as well as a brief description of the other final deliverables. The first of these has already been submitted, the second and third will be completed and submitted in this quarter, and the fourth will be submitted by the end of the quarter. The webinar will be scheduled in accordance with the needs of the advisory panel. A contract extension has been requested at this time.

STATUS AND COMPLETION DATE:

An amendment was not executed before the contract expired, therefore work stopped as of January 31, 2024. The research team is awaiting execution of an amendment before they continue with work. The task schedule below will be updated based on the new contract amendment.

Task	Current Task Start Date	Current End Date for Task Approval	Revised Task Start Date	Revised Due Date to Submit Draft Deliverables	Revised End Date for Task Approval
1	1/5/2021	5/15/2021	1/8/2021	8/31/2021	10/31/2021
2	4/1/2021	10/15/2021	7/31/2021	1/31/2022	3/31/2022
3	8/1/2021	1/15/2022	5/31/2022	12/31/2022	2/28/2023
4	1/1/2022	5/15/2022	11/30/2022	9/30/2023	11/30/2023
5	3/1/2022	7/15/2022	2/1/2023	10/31/2023	1/31/2024