

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: October 1 – December 31, 2022

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

<p>PROJECT MANAGER: Hafiz Munir / Tom Peters</p> <p>LEAD AGENCY: MnDOT</p> <p>PRINCIPAL INVESTIGATOR: Wilfrid Nixon</p>	<p>SP&R PROJECT NO: MnDOT Contract No. 1044530</p> <p>Federal Project Number: TPF-5(353)</p>	<p>PROJECT IS:</p> <p style="text-align: center;">_____ Planning <u> X </u> Research & Development</p>
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ANNUAL BUDGET: \$83,326

PROJECT EXPENDITURES TO DATE: \$ 72,173.50

WORK COMPLETED:

- Task 1 – Literature Review: A draft final version has been prepared.
- Task 2 – Survey of Practice: The survey was conducted and the information was collected into a report, and delivered in July 2022. A meeting was held to discuss this with the advisory committee.
- Task 3: Design Analysis and Recommendations: Using information from the literature review, the design analysis has been conducted. A draft report is under preparation and will be submitted to the TAC in January.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Task 3 – Design Analysis and Recommendations: The design analysis and recommendations will be submitted to the technical advisory committee in January.
- Task 4 – Scalable Design for Salt Storage Sheds: The three sets of scalable designs together with accompanying design documents will be prepared and collated into a memo for the TAC during this quarter.
- Task 5 – Final Report and Webinar: The final report will be outlined, and material from tasks one, two and three will be collated into the final report format during this quarter. The Final Report will be submitted next quarter and a time for the webinar will be determined then.

STATUS AND COMPLETION DATE:

As noted in prior QPRs a revised schedule has been approved. The schedule is:

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	2/28/2023	4/30/2022
5	3/1/2022	7/15/2022	2/1/2023	5/1/2023	7/1/2023