

CROW WING COUNTY

Snow Event 5-2023-10 January 25, 2023



Reported Event Conditions

Date:	1/25/2023
Event No:	5-2023-10
Begin Time:	1/24 9PM
End Time:	1/25 6AM
Weather:	Snow
Precipitation:	1.5"
Temperature:	26/-4
Wind:	10-35 MPH

Event Costs

Salt	\$31,393
Sand	\$298
Brine	\$1,207
Equipment/Fuel	\$19,260
Personnel Reg.	\$6,428
Personnel OT	\$589
Total	\$59,174
Cost Mile	\$106
Season Total:	1.28M

Priority By Route

Priority 1

% Target 1A Met:	100%
% Target 1B Met:	100%

Priority 2

% Target 2A Met:	100%
% Target 2B Met:	100%

Priority 3

% Target 3A Met:	100%
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— MnDOT Highway

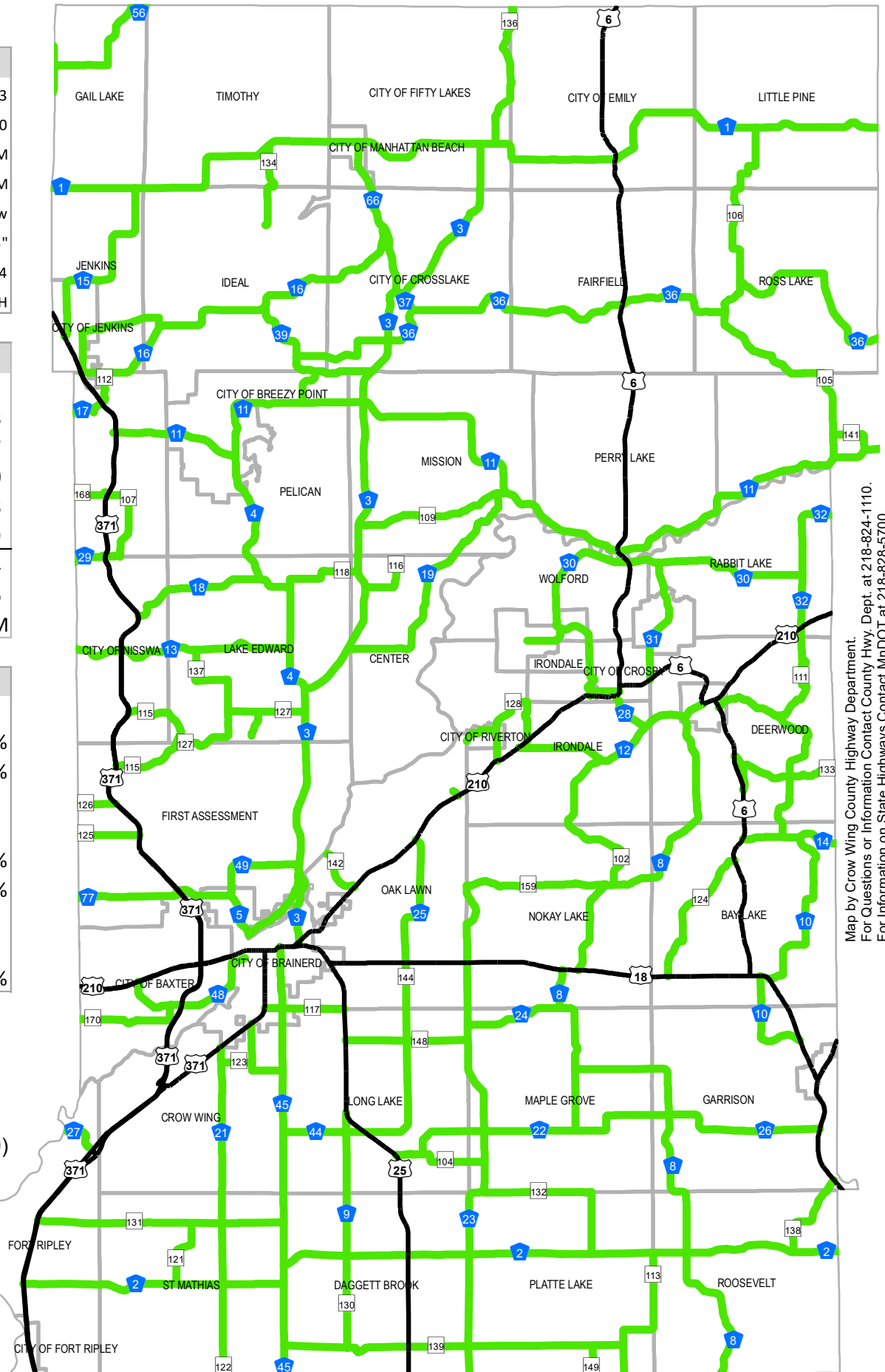
Route Priority

- 1 (ADT>5000)
- 2 (500>ADT<5000)
- 3 (ADT<500)

Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 2/3/2023



Map by Crow Wing County Highway Department.
For Questions or Information Contact County Hwy. Dept. at 218-824-1110.
For Information on State Highways Contact MnDOT at 218-828-5700.

Date 1-25-23

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
216.5	\$31,393	8.75	\$298	1829	\$1,207	\$32,897	\$19,260	\$6,428.00	\$589

Total \$59,174

10.9 Plow hrs.

\$5,441 per/hr.

174 Man hrs.

\$106 per/CL/mile

\$2.23 per/household for entire County

Forecast

1.5" of snow forecasted to fall starting at 9:00 PM 1-24-23 and continue until 1-25-23 5:00 AM. Winds forecasted 10-35 mph.

Pre Plan

Begin plowing on 1-25-23 at 5:00 AM. Apply 400 lbs of treated salt with the temps in the low 20s to high teens.

Actual Event

Event start: 1-24-23 9:00PM

Event ended 1-25-23 6:00AM

Details/Comments

Snow was dry and the roads cleaned up well. The event started and ended as forecasted. All roads cleaned up well. Some plows ran roads to clean up drifts on 1-26-23.

Conditions

Steady winds with temps in the low 20's while the plows were out.

Road	Road Temp	Date	Time	Air Temp
Hwy 6	14	1/26/23	9:00PM	11
Hwy 25	14	1/26/23	9:00PM	11
Hwy 6	18	1/27/23	5:00AM	22
Hwy 25	22	1/27/23	5:00AM	24
Hwy 6	17	1/27/23	1:00PM	13
Hwy 25	15	1/27/23	1:00PM	18

Date	High	Low
1/24/2023	26	21
1/25/2023	23	-4
1/26/2023	18	12
1/27/2023	25	-9

Source: weather.com. Monthly Weather. 56401

Summary

Roads cleaned up well. Early start, as the snow tapered off along with salt use worked well. Some areas had drifting issues.

Decisions Made

5:00 AM start 1/25/23 and apply 400 lbs. of treated salt to centerlines.

Lessons Learned

Early start and salt worked well to achieve our goals.

Goals Met/Not Met

	Plowing	Goals
Priority 1	Met	6 hr.
Priority 2	Met	8 hr.
Priority 3	Met	10 hr.

Bare wheel paths		Goals
Priority 1	Met	18 Hr.
Priority 2	Met	48 hr.