

CROW WING COUNTY

January 5, 2022 Snow Event #1 - 2022 - #8



Reported Event Conditions

Date:	1/5/2022
Event No:	#1-2022-#8
Begin Time:	1-4 9PM
End Time:	1-5 12PM
Weather:	Snow
Precipitation:	4" Snow
Temperature:	21\ -13
Wind:	15 - 30 MPH

Event Costs

Salt	\$4,823
Sand	\$935
Brine	\$426
Equipment/Fuel	\$27,033
Personnel Reg.	\$9,718
Personnel OT	\$1,624
Total	\$44,559
Cost Mile	\$80
Season Total:	\$508,491

Priority By Route

Priority 1

% Target 1A Met:	100%
% Target 1B Met:	97%

Priority 2

% Target 2A Met:	100%
% Target 2B Met:	77%

Priority 3

% Target 3A Met:	100%
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— MnDOT Highway

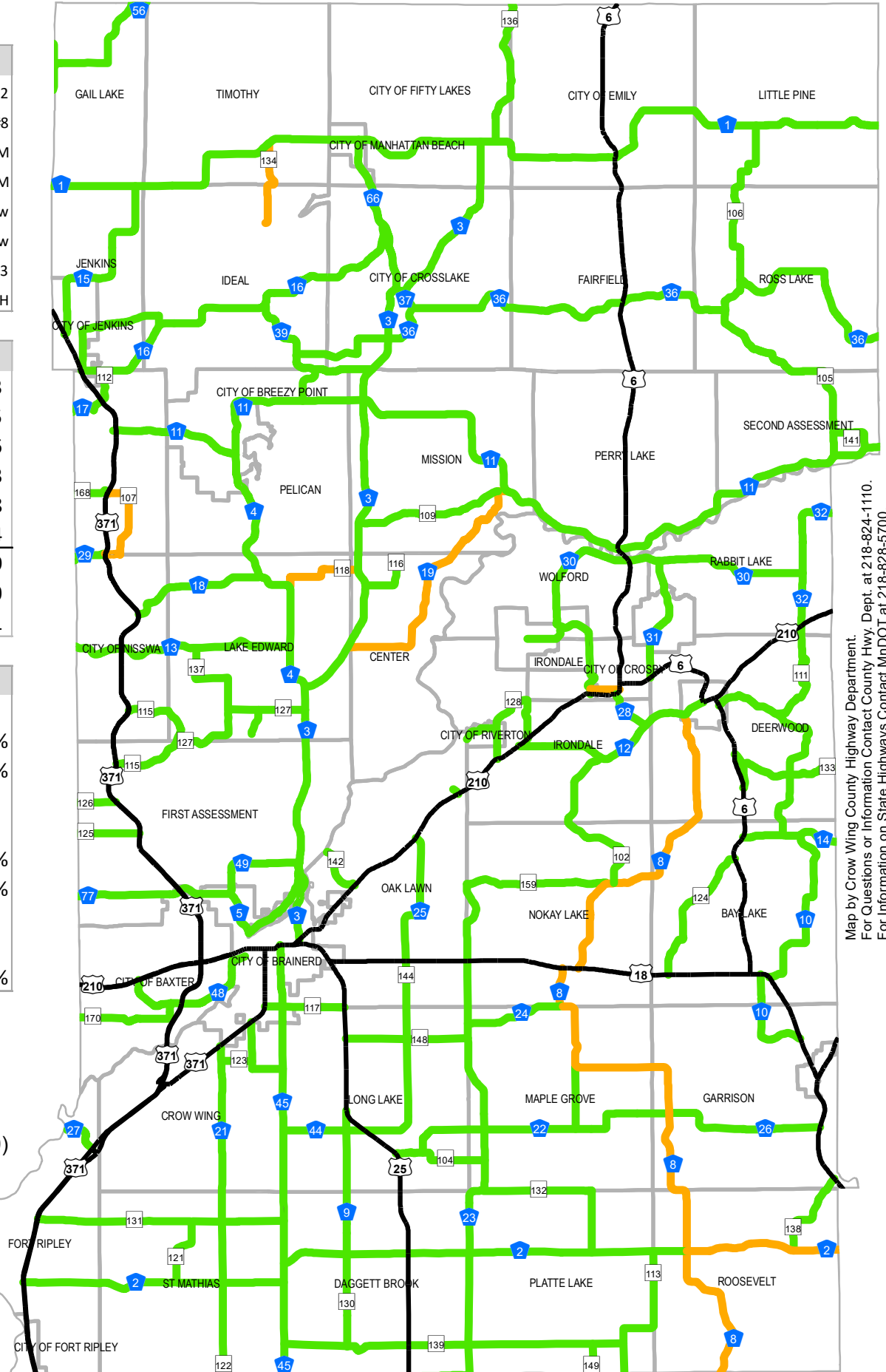
Route Priority

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

Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 1/11/2022



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.

2021/2022 Summary For Snow Event #1 - 2022 - #8
Date 1-5-22

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
53	\$4,823	27.5	\$935	646	\$426	\$6,184	\$27,033	\$9,718.00	\$1,624

Total	\$44,559	20.40625 Plow hrs.	\$2,184 per/hr.
		326.50 Man hrs.	\$80 per/CL/mile
			\$1.68 per/household for entire County

Forecast

4" of snow forecasted at 5:00 PM 1-4-22 and continue until 5:00 PM 1-5-22 with 15 - 30 mph winds.

Pre Plan

Begin plowing at 3:00 AM 1-5-22 and continue into the evening, applying 500 lbs. of treated salt to intersections to stay ahead of the falling temps and hopefully keep the snow from packing and sticking. Roads should blow and freeze dry in straight stretches without salt.

Actual Event

Event start: 1-4-22 9:00PM

Event ended 1-5-22 12:00PM

Comments

1-5-22 at 5:00 AM the roads plowed off nicely but the snow continued to fall. The falling temps and dry snow helped with this.

Conditions

1-5-22 5:00AM single digit temps with wind and snow. The wind was causing some drifting issues.

Road	Road Temp	Date	Time	Air Temp
Hwy 6	15	1/4/22	9:00PM	15
Hwy 25	18	1/4/22	9:00PM	17
Hwy 6	7	1/5/22	5:00AM	9
Hwy 25	16	1/5/22	5:00AM	8
Hwy 6	12	1/5/22	2:30PM	2
Hwy 25	13	1/5/22	2:30PM	4

Date	High	Low
1/3/2022	21	3
1/4/2022	21	6
1/5/2022	8	-13
1/6/2022	-4	-31
1/7/2022	1	-1

Source: weather.com. Monthly Weather. 56401

Summary

4" of snow with falling temps and wind. Roads cleaned up nicely with the exception of a couple of shaded areas and intersections. Very cold temps produced dry snow that blew off the roads.

Decisions Made

Plow with little use of salt. Started plowing at 3:00 AM 1-5-22. Used 50% sand & 50% salt mixture on Thursday at intersections.

Lessons Learned

Low temps helped the road clean up. Sand blew off most compacted intersections initially.

Goals Met/Not Met

	Plowing	Goals
Priority 1	100% Met	6 hr.
Priority 2	100% Met	8 hr.
Priority 3	100% Met	10 hr.

Bare wheel paths		Goals
Priority 1	97% Met	18 Hr.
Priority 2	77% Met	48 hr.