

CROW WING COUNTY

Snow Event 4-2023-9 January 19, 2023



Reported Event Conditions	
Date:	1/19/2023
Event No:	4-2023-9
Begin Time:	1/18 10PM
End Time:	1/19 6PM
Weather:	Rain/Snow
Precipitation:	0.05" R/1" S
Temperature:	28/22
Wind:	10-20 MPH

Event Costs	
Salt	\$38,715
Sand	\$111
Brine	\$2,050
Equipment/Fuel	\$30,490
Personnel Reg.	\$8,881
Personnel OT	\$2,349
Total	\$82,595
Cost Mile	\$147
Season Total:	1.12M

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%

— MnDOT Highway

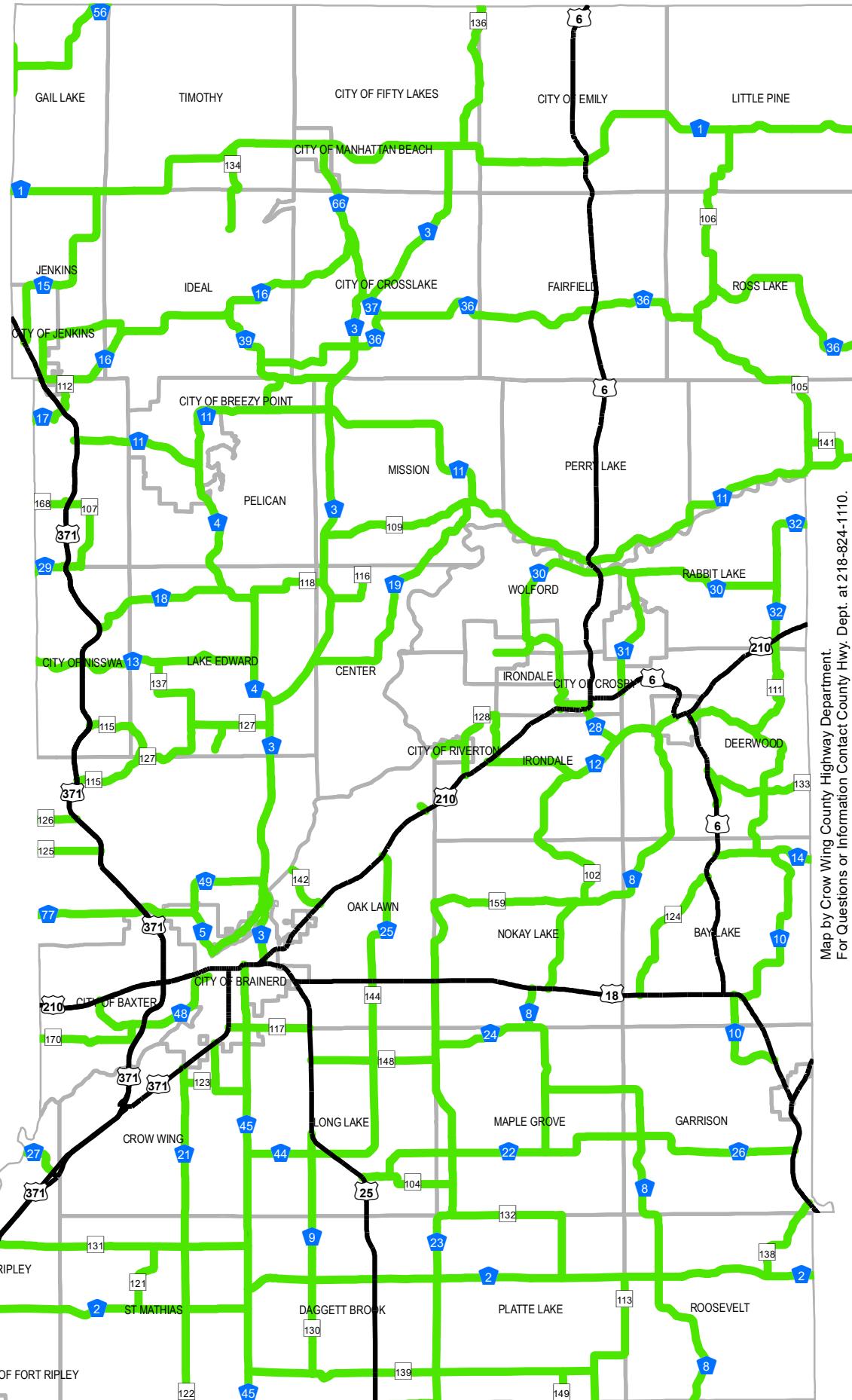
Route Priority

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

Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 1/23/2023



2022/2023 Summary For Snow Event 4-2023-9

Date 1-19-23

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
267	\$38,715	3.25	\$111	3106	\$2,050	\$40,875	\$30,490	\$8,881.00	\$2,349

Total \$82,595

16.9 Plow hrs.

\$4,885 per/hr.

271 Man hrs.

\$147 per/CL/mile

\$3.12 per/household for entire County

Forecast

1.2" of snow forecasted to begin falling lightly at 1:00 a.m. and continue until 4:00 p.m. 1-19-23. Temps in the mid-twenties with 10-20 mph winds.

Pre Plan

Monitor roads in the early morning hours of 1/19/23. Send trucks out at 7:00 a.m. to patrol and apply material if ice starts to form. Start plowing when the snow starts to impair bare wheel paths. Apply treated salt at 200 lbs. initially and up to 300 lbs. if needed during the day on compaction or ice areas. The plows will continue plowing later into the evening to achieve bare wheel paths 1/19/23.

Actual Event

Event start: 1/18/23 10:00PM

Event ended 1-19-23 6:00PM

Details/Comments

Snow and misty rain moved through the Lakes area around 10 p.m. on 1/18. Some black ice formed in isolated areas. The snow provided traction and slippery surfaces weren't an issue. Plows began patrolling and plowing roads at 7 a.m. Plows applied 200-300 lbs. of treated salt to areas that were slippery. Numerous snowsqualls throughout the day on 1-19-23. The plows had all the roads plowed to bare pavement numerous times but the squalls covered them up, requiring more plowing. Around an inch of snow total fell.

Conditions

Mild conditions with intermittent snowfall. Temps in the upper 20's with 10-20 mph winds.

Road	Road Temp	Date	Time	Air Temp
Hwy 6	27	1\18\23	10PM	26
Hwy 25	28	1\18\23	10PM	27
Hwy 6	26	1\19\23	7AM	26
Hwy 25	27	1\19\23	7AM	27
Hwy 6	23	1\19\23	5PM	23
Hwy 25	23	1\19\23	5PM	24

Date	High	Low
1/17/2023	33	24
1/18/2023	28	25
1/19/2023	28	22
1/20/2023	25	20

Source: weather.com. Monthly Weather. 56401

Summary

After multiple rounds of plowing, the roads were all to bare pavement by 6:00 p.m. 1/19/23. The temps, plowing and salt helped us achieve our goals.

Decisions Made

Send plows out at 7:00 a.m. 1/19/23 to patrol, scrape and apply material at 200-300 lbs. where needed.

Lessons Learned

Warm temps, salt application and multiple passes helped get the roads reach 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.