

CROW WING COUNTY

February 24, 2021 Snow Event #5 - 2021 - 16



Reported Event Conditions

Date:	2/24/2021
Event No:	#5-2021-16
Begin Time:	2-23-21 6PM
End Time:	2-24-21 5AM
Weather:	Snow
Precipitation:	2"
Temperature:	39\20
Wind:	5-10 MPH

Event Costs

Salt	\$11,239
Sand	\$0
Brine	\$1,031
Equipment/Fuel	\$10,455
Personnel Reg.	\$3,226
Personnel OT	<u>\$1,984</u>
Total	\$27,934
Cost Mile	\$50
Season Total:	\$605,591

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

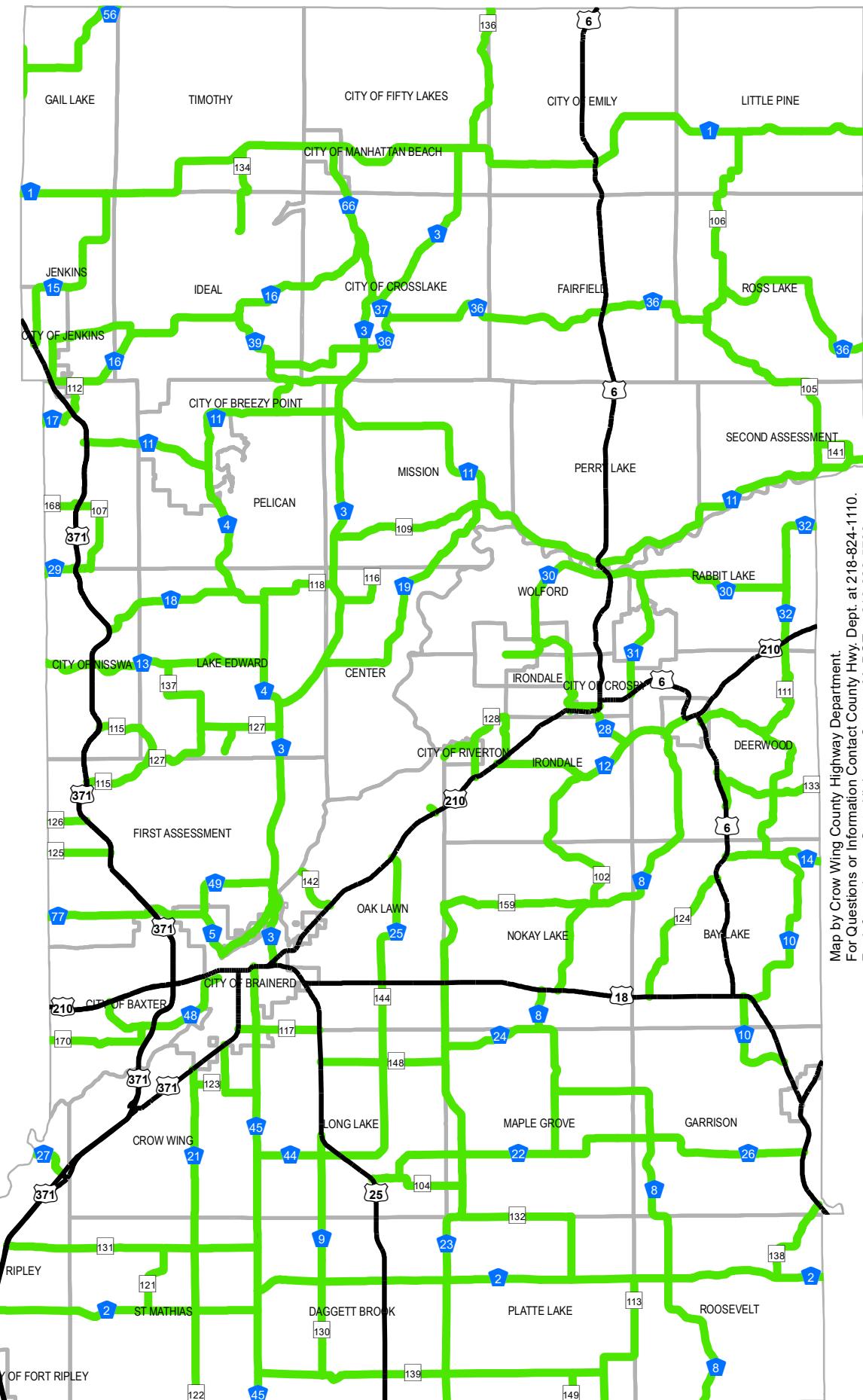
Route Priority

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

Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 2/25/2021



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.

2020/2021 Summary For Snow Event #5 2021 16

Date 2-24-21

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
123.5	\$11,239	0	\$0	1562	\$1,031	\$12,269	\$10,455	\$3,226.00	\$1,984

Total \$27,934

7.7 Plow hrs.

\$3,617 per/hr.

139.00 Man hrs.

\$50 per/CL/mile

\$1.05 per/household for entire County

Forecast

Snow forecasted to begin falling 2-23-21, 3:00 p.m. 2" of snow forecasted with little wind. Snow forecasted to end at 2 a.m. 2-24-21.

Pre Plan

Watch the rain change over to snow and if the snow begins to stick to the roads, callout snowplows. We anticipated calling trucks out at 2 a.m. 2-24-21 to apply 300 lbs. of treated salt on centerlines.

Actual Event

Event start: 2-23-21 6:00PM

Event ended 2-24-21 5:00AM

Comments

Snow started later, around 6:00 p.m. 2-23-21. The snow began to stick to the roads to the north and then to the south as temps fell around 8:00 p.m. Called snowplows drivers in at 1:00 a.m. 2-24-21.

Conditions

Snow continued to fall later than anticipated and the initial rain and road dampness turned to ice. Temps dropped 6 degrees between 4:00 a.m. to 7:00 a.m. 2-24-21.

Road	Road Temp	Date	Time	Air Temp
Cr 3	23	2/24/21	7:00AM	24
HWY 6	46	2/24/21	12:00PM	31

Date	High	Low
2/22/2021	41	28
2/23/2021	39	26
2/24/2021	35	20
2/25/2021	37	28

Source: weather.com. Monthly Weather. 56401

Summary

Roads cleaned up well with snowplow operators' quick response and dedication to serving their customers well. Salt melted thin ice layer and the sun at 8:00 am started melting thoroughly across the lanes.

Decisions Made

Begin plowing at 1:30 am 2-24 helped remove snow before traffic was able to pack it down. 300 lbs. of salt melted the ice well, with the exception of the temp drop between 4 and 8 am where it slowed down with the six degree temp drop and humidity rise.

Lessons Learned

Early plowing was effective. Salt rate used might have been a bit low initially with the temp drop and continued falling snow but with forecasted road temps expected to be in the 50' by early afternoon, the roads melted well with no known accidents.

Goals Met/Not Met

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

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