

CROW WING COUNTY

January 24, 2021 Snow Event #2 - 2021 - 13



Reported Event Conditions

Date: 1/23/2021
Event No: #2-2021-13
Begin Time: 1-23-21 12PM
End Time: 1-24-21 2AM
Weather: Snow
Precipitation: 3"
Temperature: 21\-\-1
Wind: 0-5 MPH

Event Costs

Salt	\$13,359
Sand	\$306
Brine	\$1,294
Equipment/Fuel	\$12,345
Personnel Reg.	\$4,617
Personnel OT	\$1,470
Total	\$33,391
Cost Mile	\$60
Season Total:	\$504,853

Priority By Route

Priority 1

% Target 1A Met: 100%

Priority 2

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

Priority 3

% Target 3A Met: 100%

— MnDOT Highway

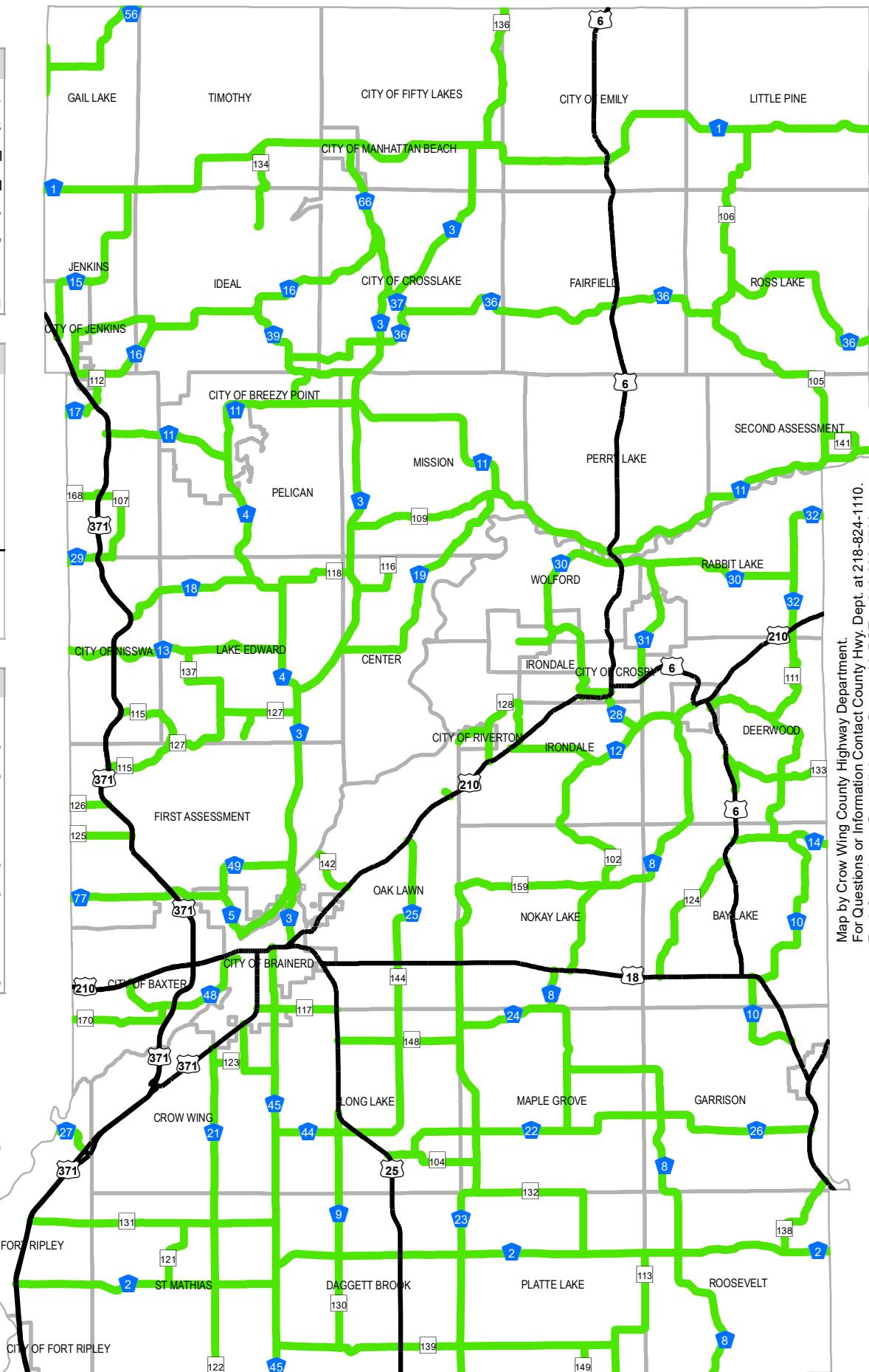
Route Priority

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

Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 1/26/2021



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 #2 - 2021 - 13

Date 1-23-21

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
146.8	\$13,359	9	\$306	1961	\$1,294	\$14,959	\$12,345	\$4,617.00	\$1,470

Total \$33,391

9.5 Plow hrs.

\$3,515 per/hr.

170.5 Man hrs.

\$60 per/CL/mile

\$1.26 per/household for entire County

Forecast

2.5" of snow forecasted to fall between 4p.m. 1-23 and 2 a.m. 1-24. 0-5 mph.

Pre Plan

Begin plowing at 2 a.m. and apply 400 lbs. of treated salt per mile to get the roads melting before the temps drop below zero.

Actual Event

Event start: 12:00 p.m. 1-23-21

Event ended 2:00 a.m. 1-24-21

Comments

Dry fluffy snow fell. Priority one roads met goals without plowing but priority 2 and 3s were not blowing open.

Conditions

Cooler temps with near zero wind.

Road	Road Temp	Date	Time	Air Temp
103	12	1/24/21	9:00AM	10

Date	High	Low
1/22/2021	17	14
1/23/2021	21	15
1/24/2021	18	-1
1/25/2021	9	-6

Source: weather.com. Monthly Weather. 56401

Summary

Priority 1 roads blew open with traffic and the dry snow. Priority 2 and 3s did not because there was not enough traffic. All roads met bare wheel path goals by 12:00 p.m. 1-24-21.

Decisions Made

Start plowing at 2:00 a.m. 1/24/21 and apply 400 lbs. of treated salt.

Lessons Learned

Plowing start time and material application worked well to help us meet 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.