

CROW WING COUNTY

February 5-6, 2022 Snow Event #3 - 2022 - #10

Reported Event Conditions	
Date:	2/6/2022
Event No:	#3-2022-#10
Begin Time:	2/5 3PM
End Time:	2/6 4PM
Weather:	Snow
Precipitation:	2.5" Snow
Temperature:	17°-12°
Wind:	15 - 30 MPH

Event Costs	
Salt	\$14,310
Sand	\$2,329
Brine	\$1,286
Equipment/Fuel	\$29,493
Personnel Reg.	\$8,330
Personnel OT	\$4,346
Total	\$60,093
Cost Mile	\$107
Season Total:	\$793,971

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

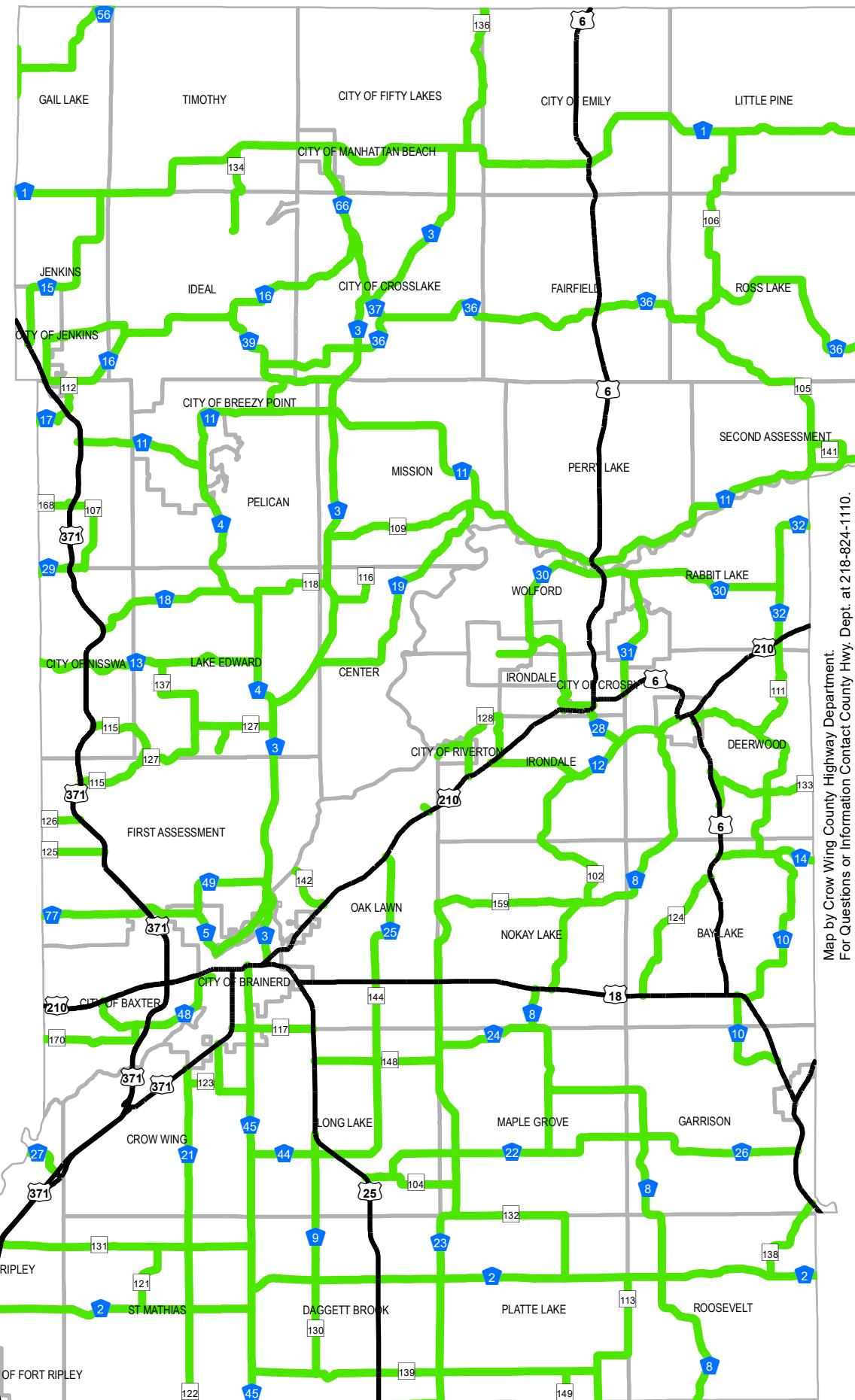
Route Priority

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

Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 2/9/2022



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 #3 - 2022 - #10

Date 2/5-2/6/22

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
157.25	\$14,310	68.5	\$2,329	1948	\$1,286	\$17,924	\$29,493	\$8,330.00	\$4,346

Total	\$60,093	22.125 Plow hrs.	\$2,716 per/hr.
		354.00 Man hrs.	\$107 per/CL/mile
			\$2.27 per/household for entire County

Forecast

1" of snow forecasted to fall at 4a.m. and continue until 4 p.m. on 2-5-22. Snow was not forecasted to fall on 2-6-22.

Pre Plan

See if the snow accumulates and send the trucks out if it does. Apply sand to intersections because of the cold pavement temps.

Actual Event

Event start: 2/5/2022 1:00AM

Event ended 2/6/2022 4:00PM

Comments

Snow added up and caused loss of bare wheel paths on 2-5-22. Snow continued to fall throughout the day. More snow fell than what was forecasted. Additional snow fell Sunday morning, which was not forecasted until late Saturday evening, causing loss of goals on priority 2s and some priority 1 road intersections, resulting in the trucks being dispatched again Sunday morning.

Conditions

Winds caused some issues on 2-6-22 as they were 25 mph and caused drifting and blowing. Warmer temps allowed the roads to clean up well 2-6 and caused compaction at intersections and slower moving areas 2-7.

Road	Road Temp	Date	Time	Air Temp
Hwy 6	3	2\5\22	5:30AM	0
Hwy 25	4	2\5\22	5:30AM	0
Hwy 6	14	2\6\22	10:00AM	10
Hwy 25	18	2\6\22	10:00AM	12

Date	High	Low
2/4/2022	7	-9
2/5/2022	17	10
2/6/2022	14	-12
2/7/2022	19	11
2/8/2022	40	27

Source: weather.com. Monthly Weather. 56401

Summary

Roads cleaned up well. Snowplows plowing during the event and helped keep the roads open and lessened the compaction 2-6. Snow was stickier on 2-7 and compacted in areas of priority 2s.

Decisions Made

Start plowing at noon 2-6 and 11 2-7. Apply sand at intersections. Apply treated salt on 2-8 since temps would be rising the following days.

Lessons Learned

Quick plowing helped us achieve and maintain our bare wheel path 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.