

CROW WING COUNTY

January 23, 2022 Snow Event #2 - 2022 - #9



Reported Event Conditions	
Date:	1/23/2022
Event No:	#2-2022-#9
Begin Time:	1-21 3PM
End Time:	1-24 3AM
Weather:	Snow
Precipitation:	2" Snow
Temperature:	17-18
Wind:	5 - 30 MPH

Event Costs	
Salt	\$5,733
Sand	\$2,108
Brine	\$772
Equipment/Fuel	\$27,848
Personnel Reg.	\$8,404
Personnel OT	\$3,762
Total	\$48,627
Cost Mile	\$87
Season Total:	\$557,118

Priority By Route	
Priority 1	
% Target 1A Met:	100%
% Target 1B Met:	100%
Priority 2	
% Target 2A Met:	100%
% Target 2B Met:	85%
Priority 3	
% Target 3A Met:	100%

— MnDOT Highway

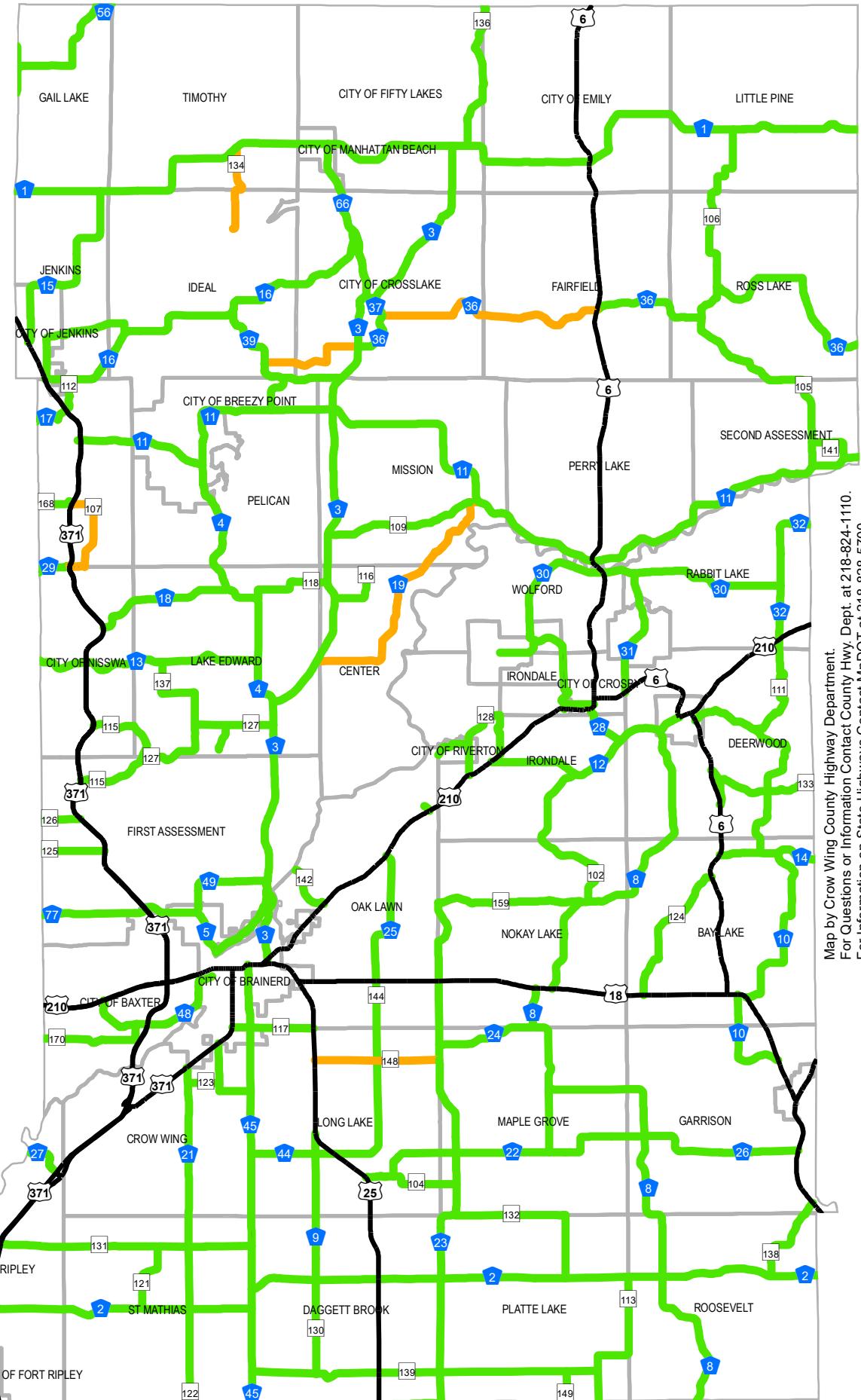
Route Priority

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

Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 1/28/2022



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 2 - 2022 - 9

Date 1-23-22

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
63	\$5,733	62	\$2,108	1170	\$772	\$8,613	\$27,848	\$8,404.00	\$3,762

Total \$48,627

21.125 Plow hrs.

\$2,302 per/hr.

338.00 Man hrs.

\$87 per/CL/mile

\$1.83 per/household for entire County

Forecast

Flurries <1" 1/21, <1" 1/22 & about an 1" 1/23 with very strong winds 1/22 of 20-35 MPH.

Pre Plan

Monitor roads and plow around midnight 1/21. Monitor roads and maybe plow early 1/23 and 3:00 a.m. start on 1/24. Use a 50/50 mix of salt and sand due to below zero temps forecasted.

Actual Event

Event start: 1/21/22 3:00PM

Event ended 1/24/22 3:00AM

Comments

Called off the plows 1/21 at 10:00 p.m. because there wasn't enough to plow. Strong winds overnight caused drifting and called the plows in at 8:00 a.m. 1/22. Called the plows in at 6:00 a.m. 1/23 to plow about an inch of snow to remove it from the roads so it didn't create ice issues and pack down on intersections. Began plowing at 3:00 a.m. on 1/24 to remove about 2" of snow that had fallen. Used 50/50 mix to provide traction and soften up the compaction.

Conditions

Cold and windy. Snow fell late afternoon and into the night all three days.

Road	Road Temp	Date	Time	Air Temp
Hwy 25	16	1/21/22	3:30PM	11
Hwy 6	13	1/21/22	3:30PM	13
Hwy 25	13	1/22/22	5:30PM	3
Hwy 6	9	1/22/22	5:30PM	3
Hwy 25	-4	1/24/22	8:30AM	-13
Hwy 25	7	1/24/22	7:00PM	1

Date	High	Low
1/20/2022	3	-12
1/21/2022	17	0
1/22/2022	6	-18
1/23/2022	3	-3
1/24/2022	8	-20
1/25/2022	1	-20

Source: weather.com. Monthly Weather. 56401

Summary

Roads cleaned up surprising well despite the temperatures. Wind and freeze drying worked on many of the roads. The areas we didn't meet our goals were the narrow ROWs that blocked sun exposure.

Decisions Made

Plowing timing worked to remove most trouble areas on 1/22 & 1/23. 50/50 mix worked well.

Lessons Learned

Should have went out early to address drifting on 1/22. 50/50 worked well at intersections.

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 87%	48 hr.