

CROW WING COUNTY

January 14, 2020 Snow Event #1 - 2020 - 12



Reported Event Conditions

Date:	1/14/2020
Event No:	#1 2020 12
Begin Time:	1-13-20 6PM
End Time:	1-14-20 4AM
Weather:	Snow
Precipitation:	1.5"
Temperature:	25-4
Wind:	0-5 MPH

Event Costs

Salt	\$13,650
Sand	\$0
Brine	\$1,381
Equipment/Fuel	\$10,475
Personnel Reg.	\$4,210
Personnel OT	\$20
Total	\$29,736
Cost Mile	\$53
Season Total:	\$605,002

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%
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Legend

MnDOT Highway

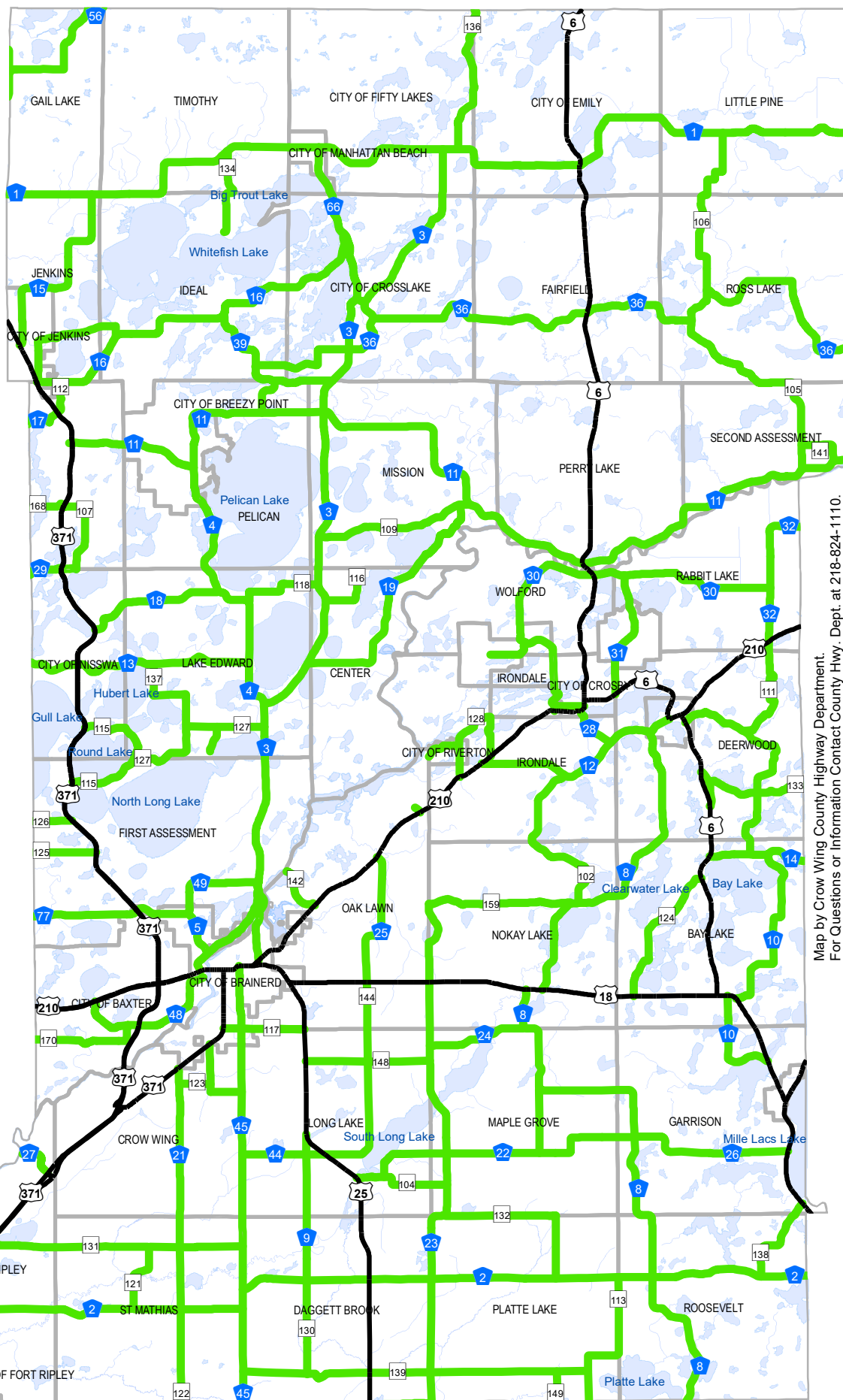
Route Priority

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

Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 1/18/2020



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.

2019/2020 Summary For Snow Event #1 - 2020 - 12

Date 1-14-20

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
150	\$13,650	0	\$0	2093	\$1,381	\$15,031	\$10,475	\$4,210.00	\$20

Total \$29,736

8 Plow hrs.
138 Man hrs.

\$3,717 per/hr.
\$53 per/CL/mile
\$1.12 per/household for entire County

Forecast

1" of forecasted to fall starting at 6 p.m. 1-13-20 and ending at 6 a.m. 1-14-20.

Pre Plan

Start plowing at 5 a.m. 1-14 and apply 300 lbs. of salt to centerlines. Start plowing at 6 a.m. 12-29 and

Actual Event

Event start: 1/13/20 8PM

Event ended 1-14-20 4AM

Comments

Snow ended sooner than expected on 1/14. It ended around 4 a.m.

Conditions

2" of snow to the north. Temps held and the roads cleaned up well. Started to see refreezing around 9 a.m. 1-14-20.

Road	Road Temp	Date	Time	Air Temp
Cr 168	20	1\14\20	8:00AM	20
45	5	1\14\20	10:00 PM	9

Date	High	Low
1/12/2020	17	3
1/13/2020	25	15
1/14/2020	27	4
1/15/2020	11	-9
1/16/2020	-1	-19
1/17/2020	19	-11

Source: weather.com. Monthly Weather. 56401

Summary

Roads cleaned up well, especially when the sun came out around noon.

Decisions Made

We decided to start plowing at 5 a.m. to get on the roads towards the end of the event. It ended sooner than expected but we did not see a lot for compaction. 300 lbs. of salt worked well in most areas, with the higher traffic roads refreezing in areas and needing just a bit more to get the ice to melt completely.

Lessons Learned

300 lbs. of salt worked well this time.

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.