

CROW WING COUNTY

February 12, 2020 Snow Event #6 - 2020 - 17

Reported Event Conditions

Date: 2/12/2020
Event No: #6 2020 17
Begin Time: 2-12-20 7AM
End Time: 2-12-20 10AM
Weather: Snow
Precipitation: 1/2"
Temperature: 26\12
Wind: 10-35 MPH

Event Costs

Salt	\$1,274
Sand	\$0
Brine	\$110
Equipment/Fuel	\$6,141
Personnel Reg.	\$2,545
Personnel OT	\$0
Total	\$10,070
Cost Mile	\$18
Season Total:	\$937,030

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

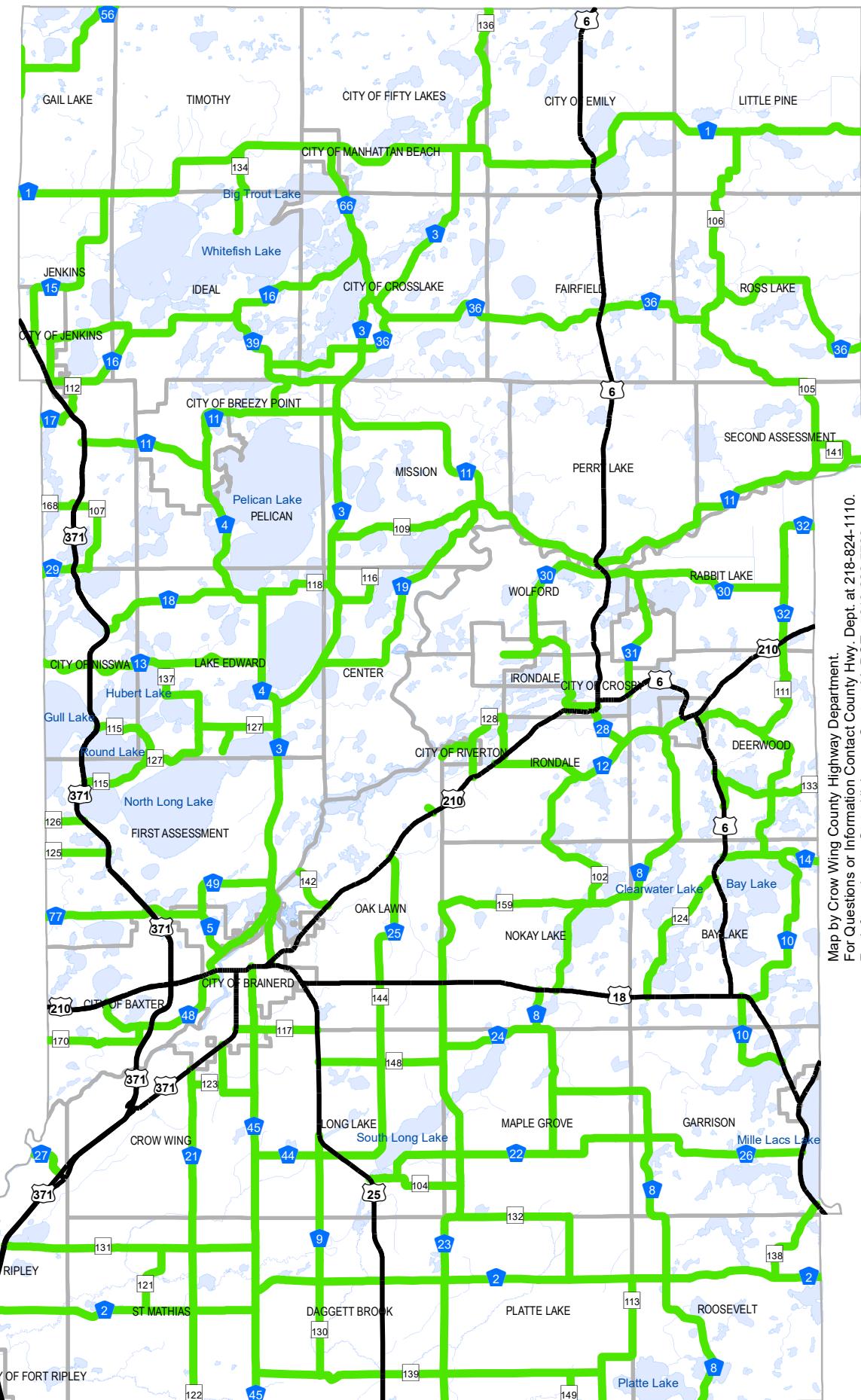
Route Priority

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

Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 2/14/2020



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 #6 - 2020 - 17

Date 2-12-20

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
14	\$1,274	0	\$0	167	\$110	\$1,384	\$6,141	\$2,499.00	\$46

Total \$10,070

5 Plow hrs.

\$2,014 per/hr.

79 Man hrs.

\$18 per/CL/mile

\$0.38 per/household for entire County

Forecast

1.5" of snow forecasted to fall starting at 4 a.m. 2-12-20 and ending at 12 p.m. 2-12-20. 10-30 mph winds forecasted. Temps in the 20's and falling below zero by nightfall.

Pre Plan

Start plowing at 6 a.m. 2-12 and apply 250 lbs. of salt at intersection to melt snow and hopefully keep it melting throughout the event. Not treat centerlines to keep the snow blowing across the roads with the high winds and let the roads freeze dry quicker.

Actual Event

Event start: 2/12/20 7AM

Event ended 2/12/20 10AM

Comments

Snow began around 7 A.M. 2-12-20 and ended around 10 a.m. 2-12-20. Temps were in the 20s when we began plowing and low single digits when we ended.

Conditions

1/2" of snow. Temps in the low 20s. Strong winds.

Road	Road Temp	Date	Time	Air Temp
Hwy 371	24	2/12/20	5:00 AM	24
Hwy 6	23	2/12/20	5:00 AM	23
Hwy 371	22	2/12/20	3:00 PM	7
Hwy 6	27	2/12/20	3:00 PM	7

Date	High	Low
2/10/2020	29	16
2/11/2020	30	19
2/12/2020	26	-12
2/13/2020	0	-20

Source: weather.com. Monthly Weather. 56401

Summary

About .5" of snow at 10 a.m. 2-12-20. The plows scraped and applied 250 lbs. of salt only to intersections where absolutely needed to prevent ice build up. Calls started to come in around 8 a.m. from customers that the roads were slippery.

Decisions Made

We decided to start plowing at 6 a.m. 2-12-20 to scrape and apply material to keep the roads melting continually throughout the day with the forecasted continually falling snow. The snow didn't start as forecasted, until 7 am and was over by 10 with only .5". Plows went out at 9:30 a.m. and began to scrape the roads and pull the snow in the center of the road out to the edges. We applied 250 lbs. of salt only to needed intersections where ice was an issue. Scraping cleared off the roads and the residual salt loosened any remaining snow and ice.

Lessons Learned

Scraping the snow win the center of the road to the outside and only using salt at icy intersections worked well to keep the blowing snow moving across the roads by not allowing it to catch on the snow in the center of the road and also with no salt applied it did not catch and stick to those salt treated areas.

Goals Met/Not Met

Plowing	Goals
Priority 1	Met
Priority 2	Met
Priority 3	Met
	6 hr.
	8 hr.
	10 hr.

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