

CROW WING COUNTY

March 10, 2019 Snow Event #13 - 2019

Reported Event Conditions	
Date:	3/10/201
Event No:	#13-201
Begin Time:	3/9/19 4PM
End Time:	3/10/19 8AM
Weather:	Snow
Precipitation:	5" snow
Temperature:	38\1
Wind:	15-35 MPH

Event Costs	
Salt	\$3,904
Sand	\$0
Brine	\$858
Equipment/Fuel	\$24,880
Personnel Reg.	\$7,714
Personnel OT	\$7,498
Total	\$44,854
Cost Mile	\$80
Season Total:	\$997,229

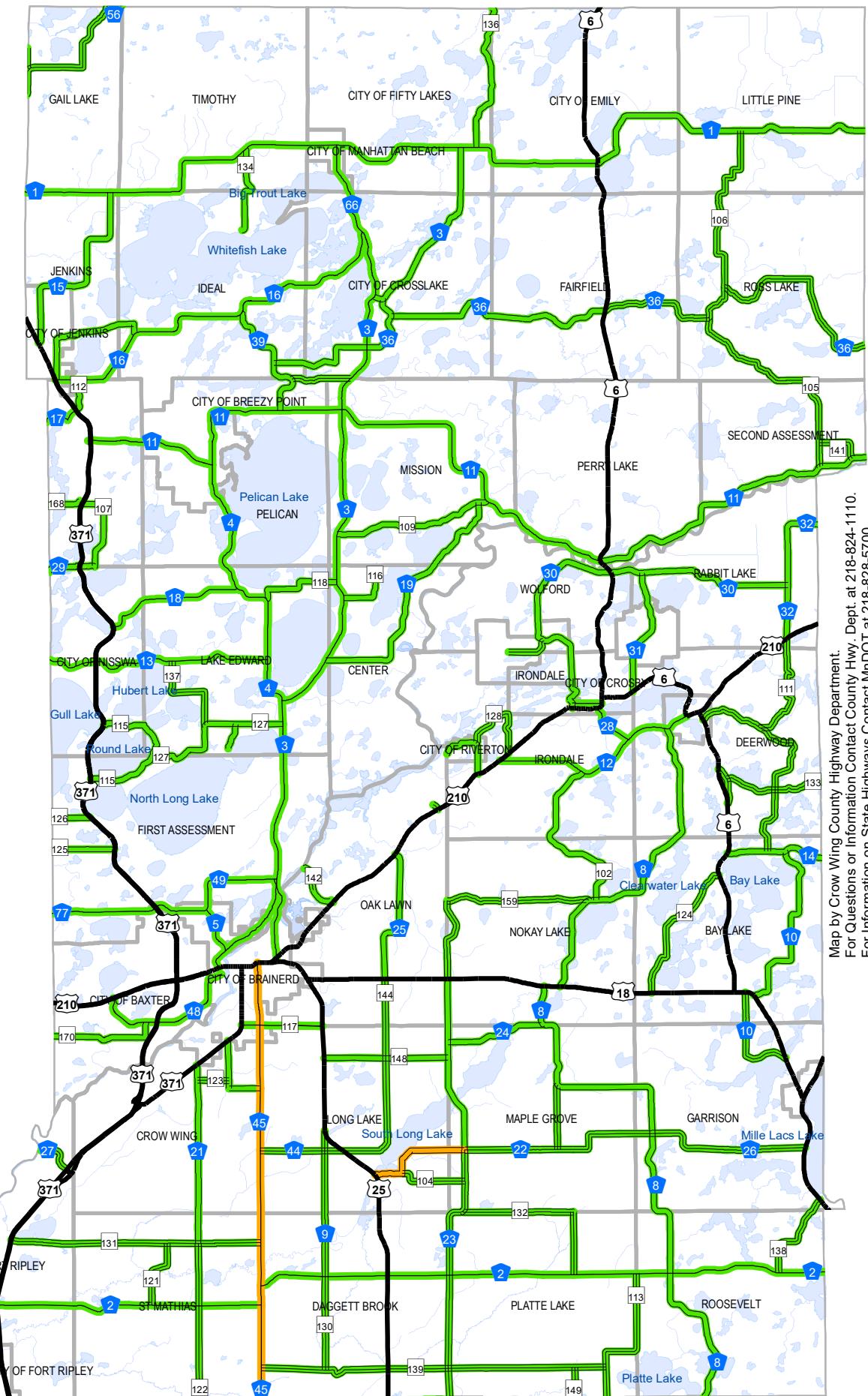
Priority By Route	
Priority 1	
% Target 1A Met:	100%
% Target 1B Met:	93%
Priority 2	
% Target 2A Met:	100%
% Target 2B Met:	98%
Priority 3	
% Target 3A Met:	100%

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



2018/2019 Summary For Snow Event #13 - 2019

Date 3/10/19

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
64	\$3,904	0	\$0	1300	\$858	\$4,762	\$24,880	\$7,714.00	\$7,498

Total \$44,854

25 Plow hrs.

\$1,794 per/hr.

400 Man hrs.

\$80 per/CL/mile

Forecast

7" of snow forecasted to begin falling at 12:00 PM 3/9/19 and end at 8:00 AM 3/10/19 with 15-30 mph winds.

Pre Plan

Dispatch plows late afternoon on 3/9 if accumulation is significant and continue to plow into the evening. Come back and resume plowing at 3 AM 3/10 and continue all day. Apply minimal salt only where needed to aid in melting any compacted snow.

Actual Event

Event start: 4PM 3/9/19

Event ended 8AM 3/10/19

Comments

The snow did not begin to fall until later in the day on 3/9. Temps were warm and it melted as it fell until after dark. Decided to apply 250-300 lbs. per lane mile after seeing compaction in the morning on 3/10.

Conditions

5" of wet heavy snow with strong winds causing drifting throughout the County, all day 3/10.

Road	Road Temp	Date	Time	Air Temp
HWY 371	25	3\10\19	9:00 AM	22
HWY 371	44	3\10\19	3:00 PM	26
HWY 371	16	3\11\19	9:00 AM	6
HWY 6	25	3\10\19	9:00 AM	23
HWY 6	8	3\11\19	8:00 AM	3

Date	High	Low
3/8/2019	31	8
3/9/2019	38	27
3/10/2019	31	11
3/11/2019	31	0
3/12/2019	39	14

Summary

Roads cleaned up well, with the exception of drifting areas. The sun warmed the roads well, allowing for quick cleanup. We would not have had to use salt but the compaction was such that it was necessary to help break it up. CSAH 45 and 22 did not pass bare wheel path goals due to continued drifting.

Decisions Made

Begin plowing at 4 AM on 3/10 to try and scrape as much snow off before it compacted from traffic and then turn around and re-plow the continued snowfall. Apply 300 lbs only where needed to breakup the compaction and then turn it down to 250 lbs. after 10 AM.

Lessons Learned

Warmer pavement temps aided our efforts and allowed bare drive lanes quickly. Salt was needed to break up compaction.

Goals Met/Not Met

Plowing	Goals
Priority 1 Met	6 hr.
Priority 2 Met	12 hr.
Priority 3 Met	18 hr.

Bare wheel paths	Goals
Priority 1 Not Met	18 Hr.
Priority 2 Not Met	48 hr.