

CROW WING COUNTY

April 16, 2018 Snow Event #21 2018-11



Reported Event Conditions	
Date:	4/16/2018
Event No:	#21 2018-11
Begin Time:	4/14/18 5PM
End Time:	4/16/18 8AM
Weather:	Snow
Precipitation:	8" Snow
Temperature:	31-22
Wind:	5-35 MPH

Event Costs	
Salt	\$15,616
Sand	\$0
Brine	\$2,039
Equipment/Fuel	\$17,655
Personnel Reg.	\$6,198
Personnel OT	\$4,934
Total	\$49,584
Cost Mile	\$89
Season Total:	1.05M

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%

Legend

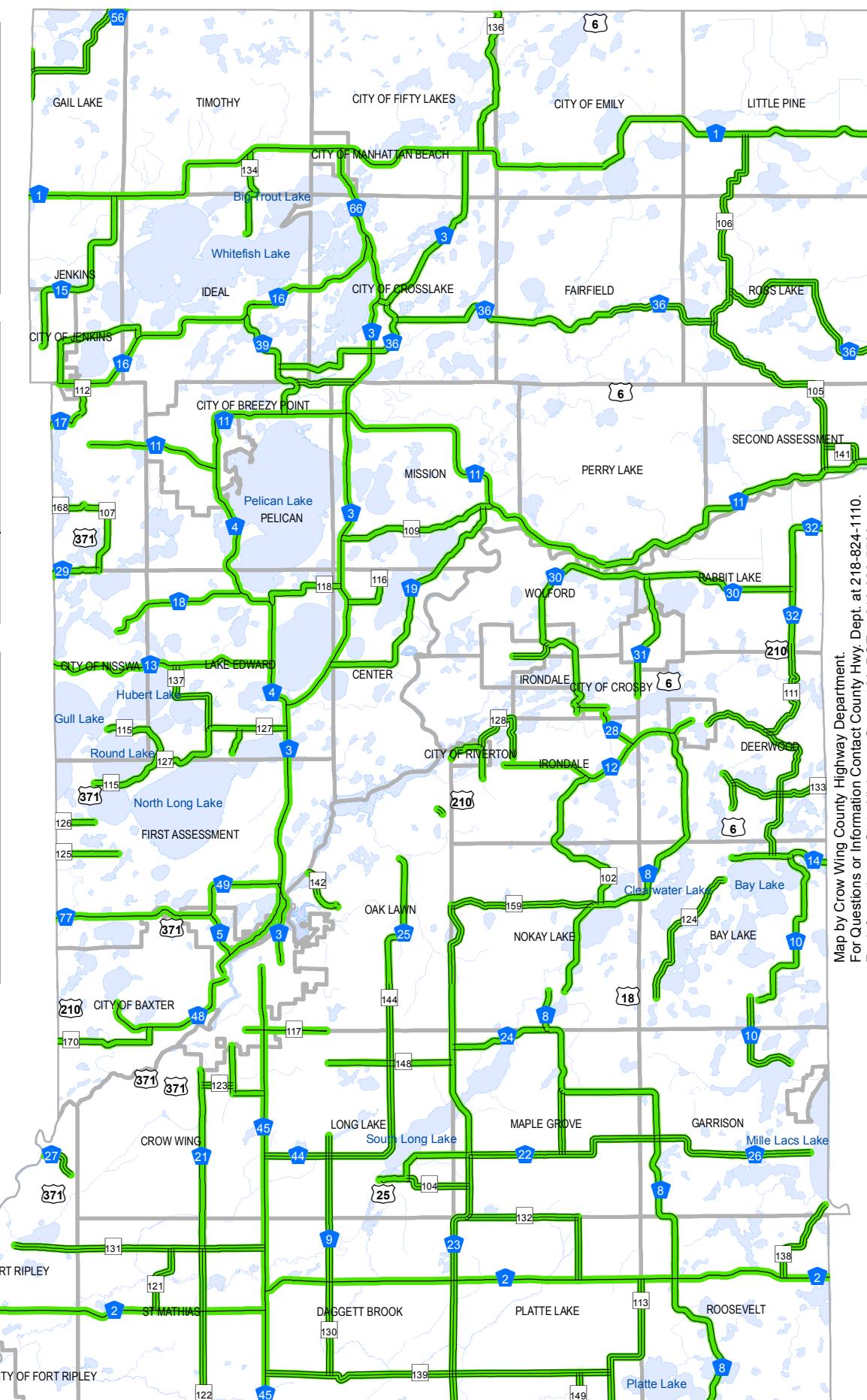
— MnDOT Highway

Route Priority

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

Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved



2017/2018 Summary For Snow #21 2018-11

Date 4-15-18

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
256	\$15,616	0	\$0	3089.3	\$2,039	\$17,655	\$20,798	\$6,198.00	\$4,934

Total

\$49,584

Total \$49,584

16 hrs = \$3,099 per/hr
\$89 per/CL/Mile

289.5 man hours

Forecast

Initial snow forecasted 4-13-18 through 4-16-18. Strong winds.

Snow forecasted to start at 4 p.m. 4-14-18.

Snow forecasted to end 3 a.m. 4-16-18. 3.5" of snow total.

Pre Plan

Monitor the weather and dispatch the plows when the snow starts to accumulate. No snow until 4-14-18.

Start plowing at 7 a.m. and apply 200 lbs. of salt on centerlines. 4-15-18.

Start plowing at 3 a.m. and apply 400 lbs. of salt on centerlines 4-16-18.

Comments

Snow amounts and timing changed multiple times prior and during the event.

Strong winds started early on 4-14-18. 10-35 mph

Snow started at 5 p.m. 4-14-18.

Snow ended at 8 a.m. 4-16-18. 5-10 mph winds. 6" - 8" of snow.

Roads were clean and black by the afternoon on 4-15-18 but the snow continued to fall.

Roads cleaned up well but snow continued into the morning of 4-16-18.

Conditions

Snow and strong winds on 4-15-18.

Snow continued throughout the day 4-15-18.

Moderate drifting issues throughout the County.

Road	RDTemp	Date/Time		Air Temp
Hwy 6	26	4\15\18	6:00 AM	23
Hwy 25	28	4\15\18	6:00 AM	23
Hwy 6	29	4\16\18	3:00 AM	22
Hwy 25	28	4\16\18	3:00 AM	23
Hwy 6	65	4\16\18	3:00 PM	34
Hwy 25	71	4\16\18	3:00 PM	35

Date	High	Low
4/13/2018	40	31
4/14/2018	31	22
4/15/2018	26	23
4/16/2018	37	23
4/17/2018	46	27

Summary

Roads cleaned up well and were black by noon on 4-16.

Dirt was plowed but it was soft so the lows had to be help up in the air a couple of inches.

Decisions Made

Send the plows out at 7 a.m. on 4-15-18 and apply 200 lbs on centerline.

Send the plows out at 3 a.m. on 4-16-18 and apply 400 lbs on centerline.

Lessons Learned

The warmer weather in conjunction with the sun's power and material applications worked well.

Goals Met/Not Met**Plowing**

Priority 1 Met
Priority 2 Met
Priority 3 Met

Bare wheel paths

Priority 1 Met
Priority 2 Met