

CROW WING COUNTY

Jan. 31, 2017 Snow Event #11 2017-4



Reported Event Conditions	
Date:	1/30-1/31/17
Event No:	#11 2017-4
Begin Time:	1/30/17 6 A.M.
End Time:	1/31/17 3 P.M.
Weather:	Snow
Precipitation:	2" Snow
Temperature:	33\3
Wind:	0-5 MPH

Event Costs	
Salt	\$36,555
Sand	\$3,688
Brine	\$3,629
Equipment/Fuel	\$34,830
Personnel Reg.	\$14,282
Personnel OT	\$1,100
Total	\$94,083
Cost Mile	\$168
Season Total:	1.01 M

Priority By Route	
Priority 1	
% Target 1A Met:	79%
% Target 1B Met:	77%
Priority 2	
% Target 2A Met:	82%
% Target 2B Met:	82%
Priority 3	
% Target 3A Met:	100%

Legend

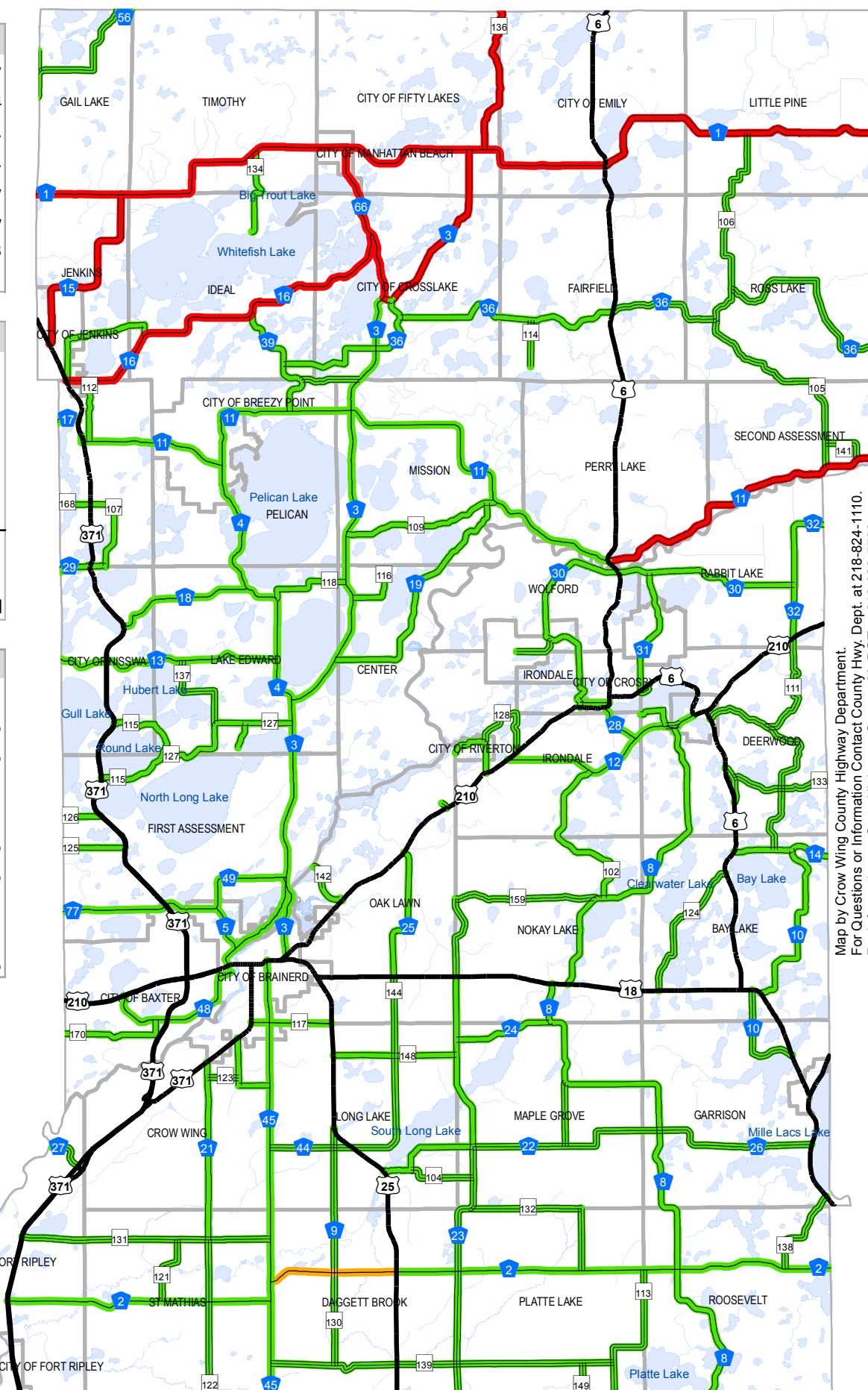
— MnDOT Highway

Route Priority

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

Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved



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.

2016/2017 Summary For Snow Event #11 2017-4

Date 1-30-17

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
409	\$36,555	111.75	\$3,688	5497.8	\$3,629	\$43,871	\$34,830	\$14,282.00	\$1,100

Total \$94,083

Total \$94,083 26.25 hrs = \$3,584 per/hr
\$168 per/CL/Mile 449 man hours

Forecast

3-5" of snow was forecasted for 1/30 - 1/31. The snow was expected to start at 3 A.M. 1/30 and end 1/31. Temps in the 20's and 30's.

Pre Plan

Plan to go out in the morning on 1/30 when the snow is significant enough to plow. Apply 500 Lbs of salt. Start at 5 a.m. on 1-31 to scrape and reapply.

Comments

Snow started to fall around 6 a.m. 1/30.

Flurried until 9 a.m. on 1-31-17.

All roads were melted shoulder to shoulder and another wave came through at 3 p.m. 1-31-17.

Crews were called in to plow again. Majority of the snow was south of Hwy 18. North roads were checked around Pequot and Crosslake with nothing found. On 2-1 it was discovered the snow fell north of the bridge on Cr 15 on a line to Emily. CR 1 was assumed fine since no other roads had snow.

Conditions

2 waves of snow came.

The roads were wet after the first wave and the second wave froze to the roads as temps dropped quickly.

Road	RDTemp	Date/Time		Air Temp
Hwy 6	24	1\30	5 a.m.	24
Hwy 6	27	1\31	9 a.m.	28
Hwy 6	6	2\1	9 a.m.	-1
Hwy 6	1	2\2	9 a.m.	0

Date	High	Low
1/28/2017	24	21
1/29/2017	26	9
1/30/2017	32	9
1/31/2017	33	24
2/1/2017	22	-3
2/2/2017	13	-2

Summary

The two waves stretched our crew. The second wave came quickly and with the falling temps our crew had to work quickly to try and get the roads to have bare wheel paths.

The wet roads from the first wave made the second wave freeze quickly with the falling temps.

Decisions Made

Send plows out as soon as it was done snowing worked well.

Sending the plows out again helped reduce the ice on the roads.

Lessons Learned

The roads cleaned up well because of the quick response at the storms termination.

The far northwest corner was not checked after the second wave and the roads became ice covered.

Goals Met/Not Met**Plowing**

Priority 1	Not Met
Priority 2	Not Met
Priority 3	Met

Bare wheel paths

Priority 1	Not Met
Priority 2	Not Met