

# CROW WING COUNTY

## December 31, 2018 Snow Event #18-2018



Reported Event Conditions	
Date:	12/31/2018
Event No:	#18-2018
Begin Time:	12/31/18 12AM
End Time:	12/31/18 10AM
Weather:	Snow
Precipitation:	6"
Temperature:	24°-20°
Wind:	30-40 MPH

Event Costs	
Salt	\$10,725
Sand	\$213
Brine	\$1,633
Equipment/Fuel	\$22,815
Personnel Reg.	\$9,217
Personnel OT	\$2,143
<b>Total</b>	<b>\$45,745</b>
Cost Mile	\$83
Season Total:	\$275,503

Priority By Route	
<b>Priority 1</b>	
% Target 1A Met:	100%
% Target 1B Met:	100%
<b>Priority 2</b>	
% Target 2A Met:	100%
% Target 2B Met:	95%
<b>Priority 3</b>	
% Target 3A Met:	100%

### Legend

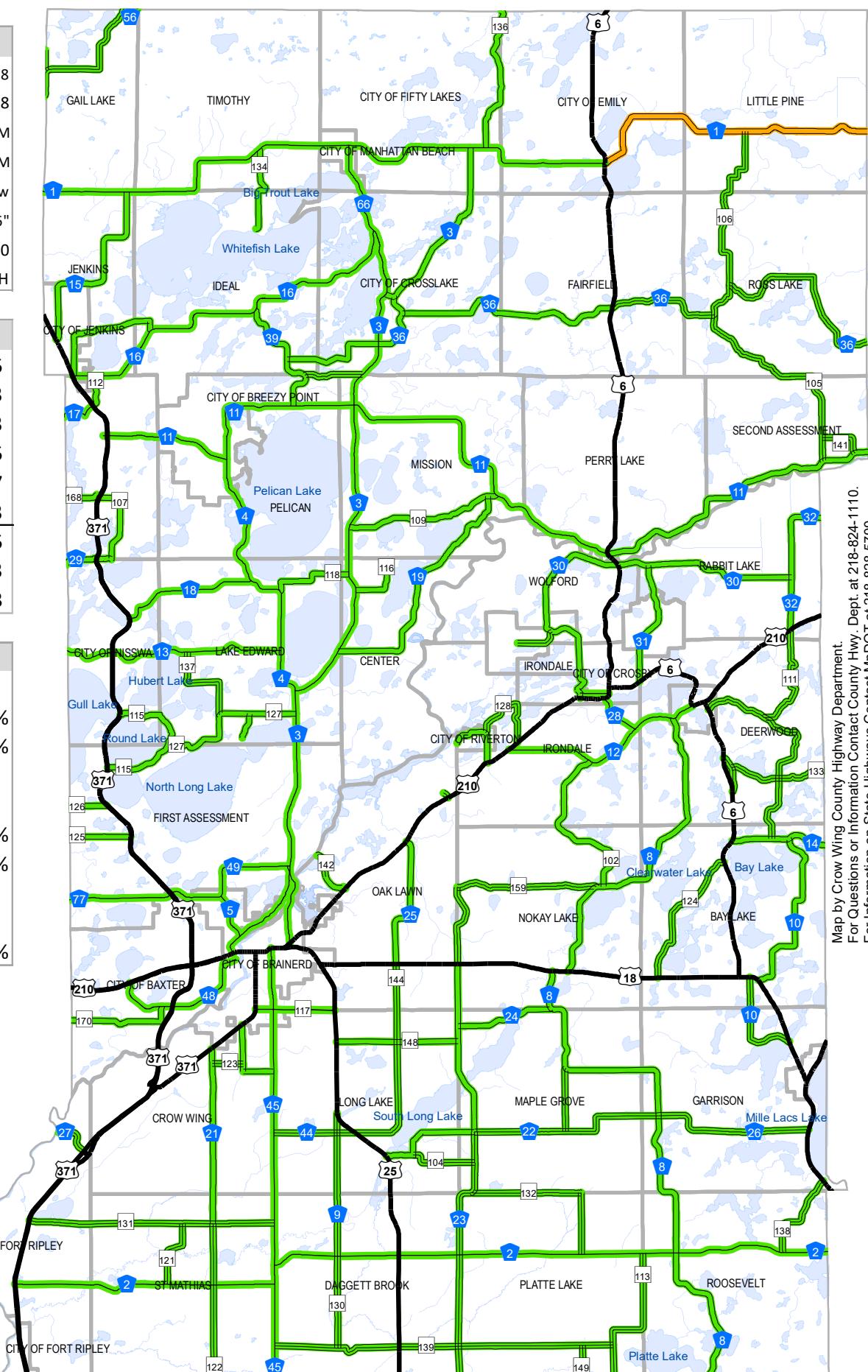
— MnDOT Highway

### 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.

## 2018/2019 Summary For Snow Event #18 - 2018

Date 12-31-18

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
143	\$10,725	6.25	\$213	2474	\$1,633	\$12,570	\$22,815	\$9,217.00	\$2,143

Total

\$46,745

**Total** \$46,745

17 hrs. = \$2,750 per/hr.  
\$83 per/CL/Mile

328 man hours

### Forecast

6" of snow forecasted to start falling at 10 PM on 12/30/18 and end at 3 PM 12/31/18.

Strong winds 30-40 mph, with falling temps expected.

### Pre Plan

Have trucks begin plowing at 4 AM 12/31/18 and continue until late to stay ahead of the falling temps.

### Comments

Snow tapered off sooner than forecasted (10AM).

Strong winds caused drifting issues in open areas.

### Conditions

6" snow, falling temps and strong north winds

Road	RDTemp	Date/Time		Air Temp
CR 36	12	12\31\18	5:00 PM	8
CR 3	-2	1\1\19	8:00 AM	-20

Date	High	Low
12/29/2018	12	-18
12/30/2018	26	12
12/31/2018	24	-7
1/1/2019	1	-20
1/2/2019	18	14

### Summary

Roads cleaned up well despite falling temps. Some roads had areas of compaction on the outer half of the lane. Some open areas had continued snow drifting and pack after the event.

40 degree negative temperature change from when it started snowing to 24 hours later.

### Decisions Made

Starting at 4 AM, continuing to plow later and applying treated salt worked well for meeting our goals

### Lessons Learned

Treated salt worked well even with the falling temps. Salt did not melt away from where it was placed but melted the immediate area it was applied.

### Goals Met/Not Met

Plowing		Bare wheel paths	
Priority 1	Met	Priority 1	Met
Priority 2	Met	Priority 2	Not Met
Priority 3	Met		