

# CROW WING COUNTY

## December 19, 2018 Snow Event #15-2018



Reported Event Conditions	
Date:	12/19/2018
Event No:	#15-2018
Begin Time:	12/19/18 6PM
End Time:	12/20/18 8AM
Weather:	Rain
Precipitation:	.005"
Temperature:	35-19
Wind:	0-5 MPH

Event Costs	
Salt	\$4,560
Sand	\$0
Brine	\$1,006
Equipment/Fuel	\$5,625
Personnel Reg.	\$2,216
Personnel OT	\$463
<b>Total</b>	<b>\$13,870</b>
Cost Mile	\$25
Season Total:	\$135,282

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:	100%
<b>Priority 3</b>	
% Target 3A Met:	100%

**Legend**

MnDOT Highway

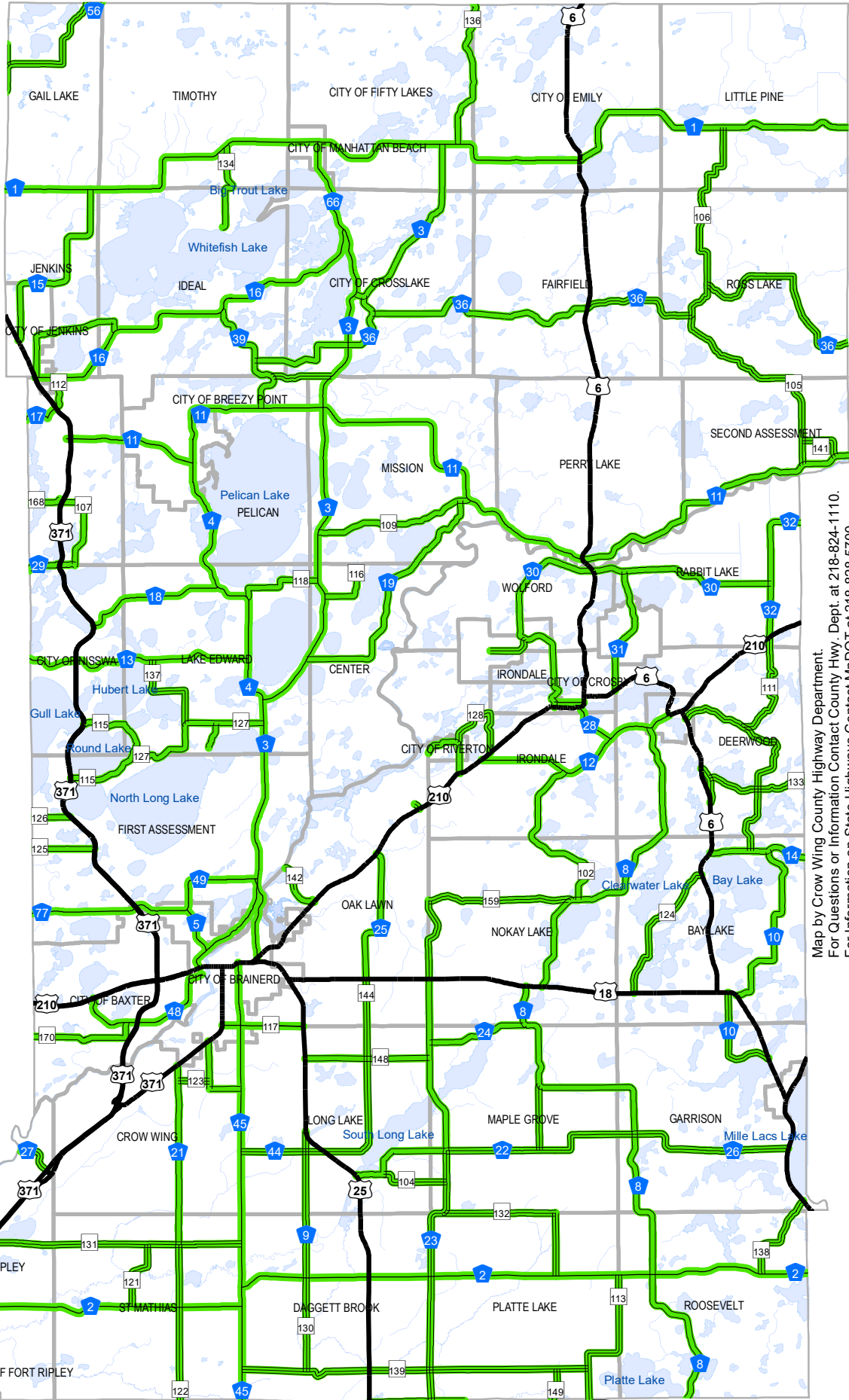
**Route Priority**

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

**Route Target**

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 12/21/2018



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 #15 2018

## Date 12-19-18

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
74.75	\$4,560	0	\$0	1524	\$1,006	\$5,566	\$5,625	\$2,216.00	\$463

Total \$13,870

**Total**     \$13,870                 6 hrs =     \$2,312 per/hr                                 81 man hours  
    \$25 per/CL/Mile

**Forecast**

Light rain forecasted to begin midnight 12/20/18 and changing to snow around 4 am, before ending at 9 am.

**Pre Plan**

Check roads at 4 am 12/20/18 to determine if calling plows out was warranted.

Apply 250 lbs. of salt on centerline, depending on temps.

**Comments**

Rain started earlier at 6 pm 12/19/18 and was more intense up north. Temps hovered around 32, causing shaded areas to freeze.

**Conditions**

Ice covered roads very little wind.  
 Roads started to freeze at 7 p.m. 12-20-18.  
 Air temps rose throughout the night on 12/19 & 12/20.

Road	RDTemp	Date/Time		Air Temp
3	32	12\19\18	8 P.M.	28
12	31	12\20\18	8 A.M.	32

Date	High	Low
12/18/2018	35	20
12/19/2018	35	21
12/20/2018	35	19
12/21/2018	25	22
12/22/2018	31	19

**Summary**

Snowplows were dispatched at 8 p.m. They applied 150-250 lbs of salt, depending on ice encountered. Ice melted quickly and goals were achieved almost immediately.  
 Some intermittent areas of ice the next couple of days in isolated shaded areas due to high humidity.

**Decisions Made**

We decided to have the trucks go out and treat the roads at 8 pm 12/19, knowing we may have to come back in at 4 a.m. 12-20-18 because of the forecasted snow, knowing most drivers may not get sleep.

**Lessons Learned**

It was worth coming in at 8 pm. The snow did not materialize and the salt continued to melt ice through the night.

**Goals Met/Not Met**

Plowing	Bare wheel paths
Priority 1   Met	Priority 1   Met
Priority 2   Met	Priority 2   Met

Priority 3 Met