

# CROW WING COUNTY

## December 13, 2017 Snow Event #7 2017-16



### Reported Event Conditions

Date:	12/13/2017
Event No:	#7 2017-16
Begin Time:	12-12-17 9AM
End Time:	12-13-17 6AM
Weather:	Snow
Precipitation:	.5" Snow
Temperature:	24-0
Wind:	5-15 MPH

### Event Costs

Salt	\$25,542
Sand	\$0
Brine	\$2,194
Equipment/Fuel	\$17,615
Personnel Reg.	\$7,873
Personnel OT	\$634
<b>Total</b>	<b>\$53,857</b>
Cost Mile	\$96
Season Total:	\$261,422

### 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

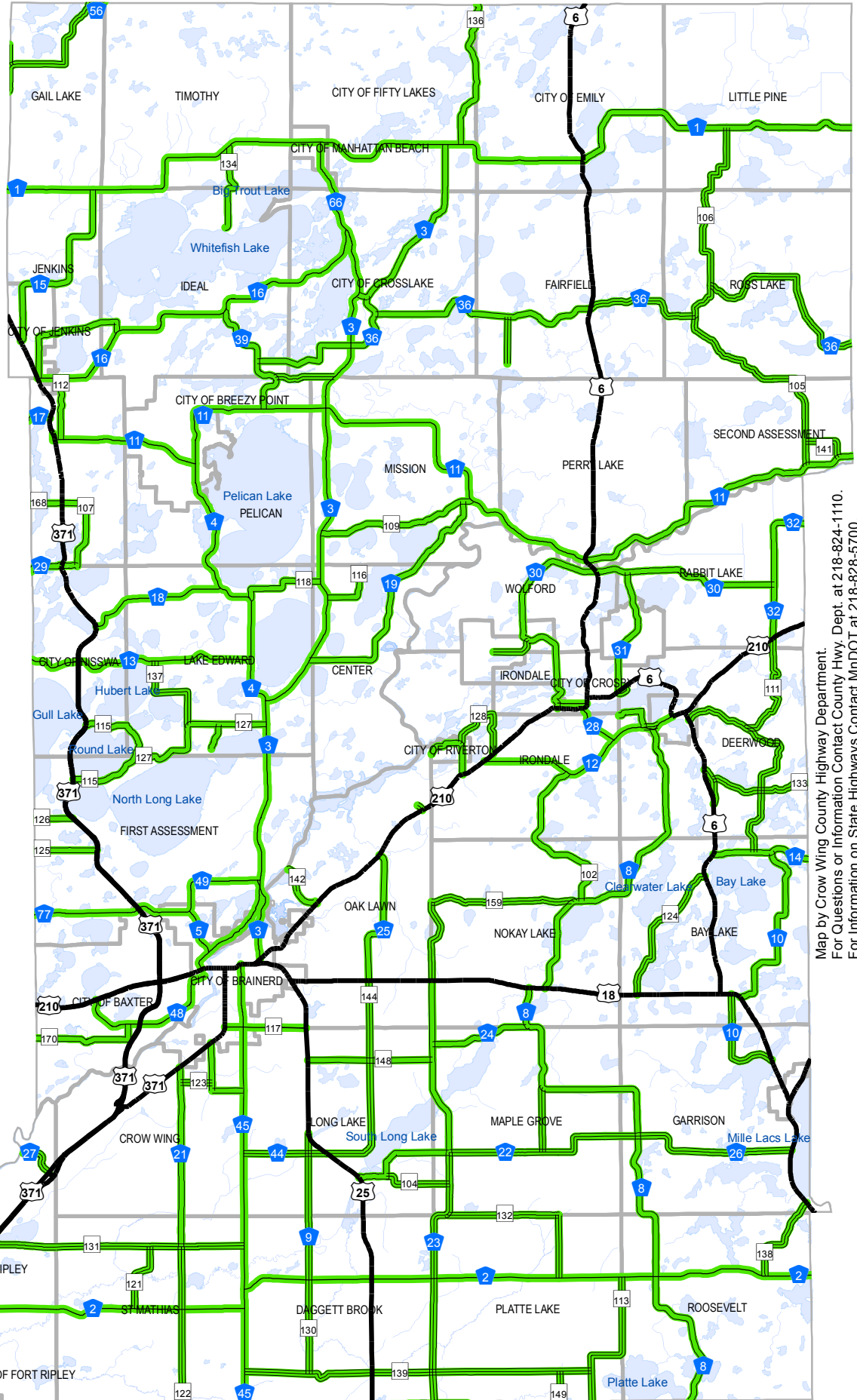
### Route Priority

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

### Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 12/16/2017



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.

## 2017/2018 Summary For Snow Event #7 2017-16

**Date 12-13-17**

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
287	\$25,542	0	\$0	3323.5	\$2,194	\$27,735	\$17,615	\$7,873.00	\$634

Total \$53,857

**Total**     \$53,857     16.5 hrs =     \$3,264 per/hr     260.5 man hours  
\$96 per/CL/Mile

### Forecast

A mix of rain and snow starting in the morning of 12-12-17. Will continue off and on until 9 a.m. 12-13-17. 10-25 mph winds late morning early afternoon on 12-13.

### Pre Plan

Start plowing and applying 500 lbs. of salt material at 4 a.m. 12-13-17.

### Comments

Salt was working well, a quick clipper came through around 6 and covered some roads up causing refreeze. Operators rescraped and reapplied on some of these roads. Some refreezing on the right wheel path due to light snow on shoulders. For the most part traffic blew the drive lanes open, leaving a ribbon of snow on c/l and shoulders. Operators plowed to remove the small amount of snow to help dry off the roads and prevent additional freeze.

### Conditions

Flurries continued to fall all day.  
 Wind 15-20 mph. Roads were slow to clean up but did over night.  
 Light snow accumulated on roads.

Road	RDTemp	Date/Time		Air Temp
12	19	12\13\17	4 a.m.	22
13	22	12\13\17	5 a.m.	22

Date	High	Low
12/12/2017	21	0
12/13/2017	24	15
12/14/2017	20	14
12/15/2017	22	13

### Summery

Roads were slow to clean up completely because of continued snowfall. We achieved bare wheelpaths but had centerline ribbons and snow on shoulders.

### Decisions Made

Start plowing at 4 a.m. to get out ahead of traffic and let material work with continued snowfall. 500 lbs melted snow in half the lanes but the continued snowfall did not allow it to work all the way across without refreezing.

### Lessons Learned

500 lbs worked well. Rescraping helped the roads clean up well.

### Goals Met/Not Met

<u>Plowing</u>	<u>Bare wheel paths</u>
Priority 1   Met	Priority 1   Met
Priority 2   Met	Priority 2   Met
Priority 3   Met	