

# CROW WING COUNTY

## December 13, 2019 Snow Event #23 - 2019 - 09

Reported Event Conditions	
Date:	12/13/2019
Event No:	#23 2019 09
Begin Time:	12/13/19 9AM
End Time:	12/13/19 9PM
Weather:	Snow
Precipitation:	2"
Temperature:	18°/12°
Wind:	0-5 MPH

Event Costs	
Salt	\$5,369
Sand	\$0
Brine	\$868
Equipment/Fuel	\$13,995
Personnel Reg.	\$3,269
Personnel OT	<u>\$3,722</u>
Total	\$26,928
Cost Mile	\$48
Season Total:	\$354,338

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

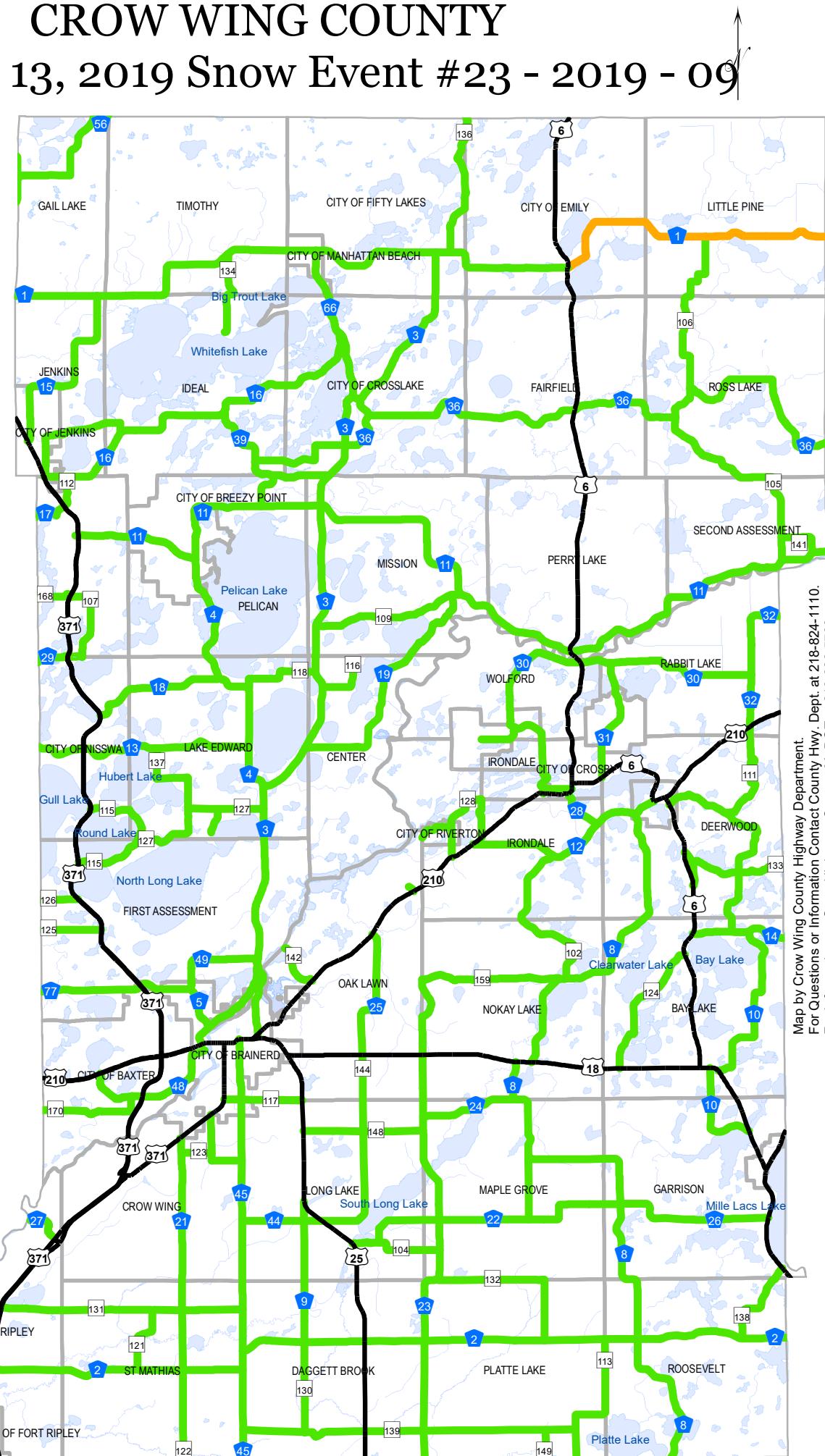
## Route Priority

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

## Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 12/16/2019



## 2019/2020 Summary For Snow Event #23 - 2019 - 09

Date 12-13-19

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
59	\$5,369	0	\$0	868	\$573	\$5,942	\$13,995	\$3,269.00	\$3,722

**Total** \$26,928

16 Plow hrs.

\$1,683 per/hr.

188 Man hrs.

\$48 per/CL/mile

\$1.02 per/household for entire County

### Forecast

Snow expected to start at 9 AM 12-13-19 and continue to fall lightly until 4 AM 12-14-19. 2" of snow forecasted with single digit to low teen temperatures.

### Pre Plan

Begin plowing at 12 PM 12-13-19 and continue into the evening to get as much snow off the roads as possible before it freezes down and we are not able to get it off. Apply treated salt at intersections and areas prone to compaction because the roads should clean up well with the temperatures. Concentrate on drive lanes to keep traffic moving as the snow continues to fall. After getting through the routes, turn around and replow because the snow will continue to fall.

### Actual Event

Event start: 12/13/2019 9AM

Event ended 12-13-19 9PM

### Comments

About 1.5" of snow at 4 p.m. 12/13/19 north and 1/2" south. Colder temps helped the snow stay dry and allowed less compaction and easier clean up. Trucks applied treated salt to intersections and where compaction was observed. Trucks plowed their routes multiple times to remove as much snow as possible from drive lanes.

### Conditions

Low road temps and light dry snow.

Road	Road Temp	Date	Time	Air Temp
Hwy 371	19	12/13/19	3:00 PM	18
Hwy 6	18	12/13/19	3:00 PM	16

Date	High	Low
12/12/2019	15	2
12/13/2019	18	12
12/14/2019	18	-10
12/15/2019	13	-17

Source: weather.com. Monthly Weather. 56401

### Summary

Snow continued to fall until 9 p.m. 12-13-19. Trucks continued plowing to get all of the snow off. Minimal salt was used due to temperatures and the dryness of the snow.

### Decisions Made

Continue plowing later into the evening instead of breaking and coming in early 12-14-19. Using minimal salt worked well as lanes freeze dried and blew clean because of the cold temperatures.

### Lessons Learned

Colder temps and the lack of moisture in the snow prevented it from sticking and compacting to the roads.

### Goals Met/Not Met

Plowing	Goals
Priority 1 Met	6 hr.

Bare wheel paths	Goals
Priority 1 Met	18 Hr.

Priority 2 Met 8 hr.  
Priority 3 Met 10 hr.

Priority 2 Met 48 hr.