

# CROW WING COUNTY

## Snow Event 19-2023-3 Dec. 16, 2023



### Reported Event Conditions

Date:	12/16/2023
Event No:	19-2023-3
Begin Time:	12/15/23 8PM
End Time:	12/16/23 8AM
Weather:	Snow
Precipitation:	2" Snow
Temperature:	33/30
Wind:	5-15 MPH

### Event Costs

Salt	\$48,367
Sand	\$408
Brine	\$1,271
Equipment/Fuel	\$22,940
Personnel Reg.	\$1,093
Personnel OT	\$7,355
<b>Total</b>	<b>\$48,367</b>
Cost Mile	\$86
Season Total:	57,566K

### Priority By Route

#### Priority 1

% Target 1A Met:	100%
% Target 1B Met:	89%

#### Priority 2

% Target 2A Met:	100%
% Target 2B Met:	92%

#### Priority 3

% Target 3A Met:	100%
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— MnDOT Highway

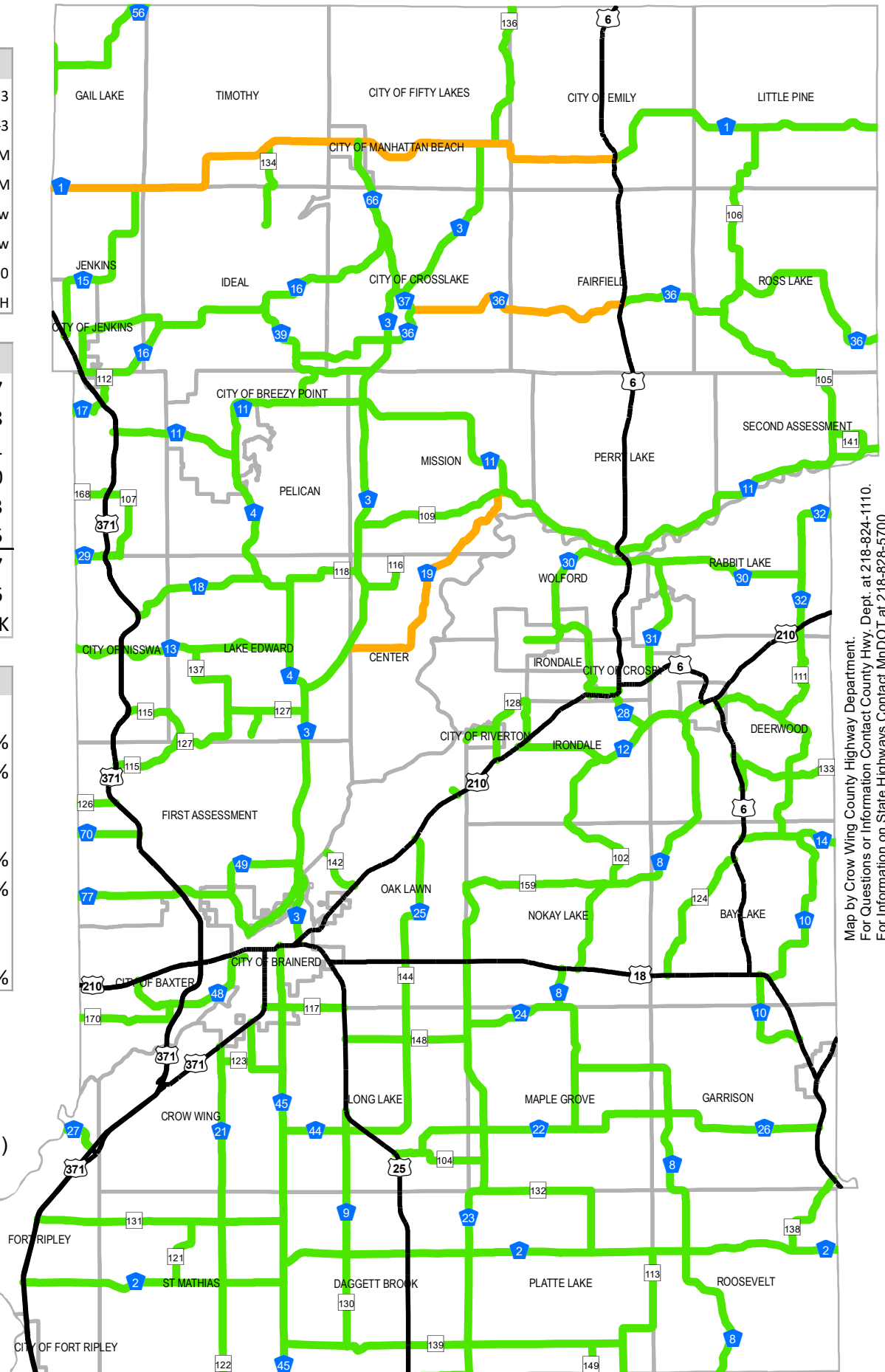
### Route Priority

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

### Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 12/22/2023



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.

**2022/2023 Summary For Snow Event 19-2023-3**  
**Date 12-16-23**

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
180	\$15,300	12	\$408	1925	\$1,271	\$16,979	\$22,940	\$1,093.00	\$7,355

<b>Total</b>	\$48,367	10.3 Plow hrs.	\$4,719 per/hr.
		164 Man hrs.	\$86 per/CL/mile
			\$1.82 per/household for entire County

### Forecast

2.75" of snow forecasted to begin falling at 8:00 p.m. 12/15/23 and end at 8:00 a.m. 12/16/23. Temps holding steady around 33 with 5-15 mph winds.

## Pre Plan

Begin plowing at 5:00 a.m.12/16/23 to start plowing and applying salt to centerlines at 400 lbs per mile to get the snow removed and the ice underneath to melt.

### Actual Event

**Event start:** 8:00PM 12/15/23

Event ended 7:00AM 12/16/23

### Details/Comments

Snow compacted similar to the last event, as we anticipated. Salt was slow to melt until noon. Started to see heavy compaction late morning as traffic picked up.

## Conditions

Temps around 33 air and road with little wind.

Road	Road Temp	Date	Time	Air Temp
Hwy 6	29	12\15\23	8:00PM	33
Hwy 25	30	12\15\23	8:00PM	33
Hwy 6	31	12\16\23	8:00AM	33
Hwy 25	32	12\16\23	8:00AM	33

Date	High	Low
12/14/2023	50	36
12/15/2023	38	31
12/16/2023	35	30
12/17/2023	36	9
12/18/2023	21	11

Source: weather.com. Monthly Weather. 56401

## Summary

Struggled with compaction on some priority 2 roads and on Cr 1 and Cr 36.

### Decisions Made

5 a.m start time close to the end of the event and apply 400 lbs. on centerline.

## Lessons Learned

Snow lingered a bit longer and at a higher rate than expected. This created some icy areas. Compaction was also a bit greater than anticipated. Salt was slow to act but took off around 11.

### Goals Met/Not Met

Plowing		Goals
Priority 1	Met	6 hr.
Priority 2	Met	8 hr.
Priority 3	Met	10 hr.

Bare wheel paths		Goals
Priority 1	Not Met	18 Hr.
Priority 2	Not Met	48 hr.