

# CROW WING COUNTY

## Snow Event 12-2022-1 Nov. 14 - 19, 2022



### Reported Event Conditions

Date:	11/14-11/19/22
Event No:	12-2022-1
Begin Time:	11/14 4AM
End Time:	11/19 2AM
Weather:	Rain/Snow
Precipitation:	.5 Rain/6" Snow
Temperature:	32-5
Wind:	5 - 15 MPH

### Event Costs

Salt	\$46,248
Sand	\$0
Brine	\$4,671
Equipment/Fuel	\$75,038
Personnel Reg.	\$19,008
Personnel OT	\$4,981
<b>Total</b>	<b>\$149,946</b>
Cost Mile	\$268
Season Total:	\$165,853

### Priority By Route

#### Priority 1

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

#### Priority 2

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

#### Priority 3

% Target 3A Met:	100%
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— MnDOT Highway

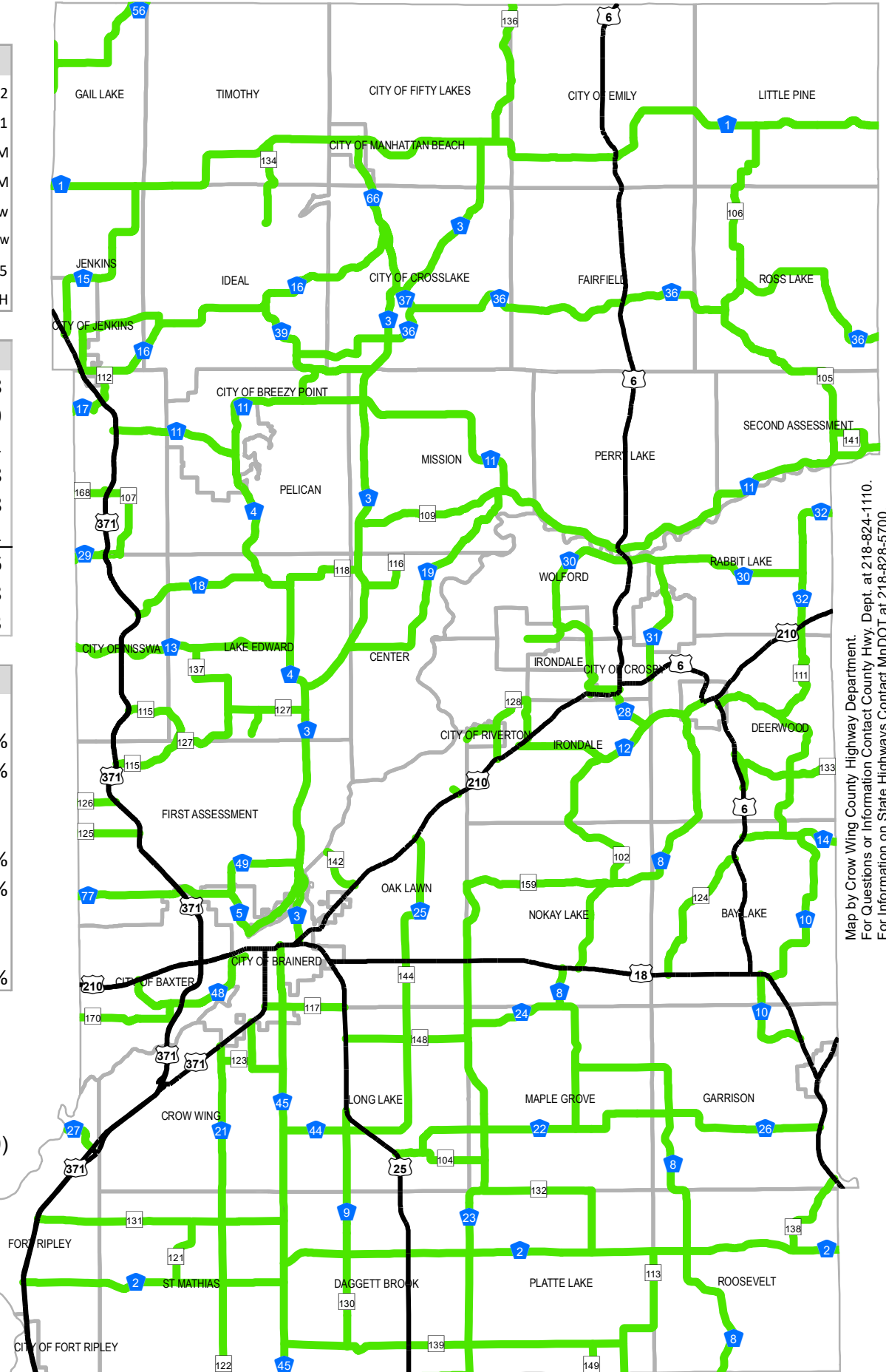
### Route Priority

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

### Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 12/2/2022



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.

**Date 11/14/22 - 11/19/22**

<b>Total</b>	\$149,946	42.125 Plow hrs.	\$3,560 per/hr.
		674.00 Man hrs.	\$268 per/CL/mile
			\$5.66 per/household for entire County

Date	High	Low
11/13/2022	26	21
11/14/2022	29	26
11/15/2022	32	26
11/16/2022	30	17
11/17/2022	25	14
11/18/2022	16	13
11/19/2022	15	5
11/20/2022	29	19
11/21/2022	27	16

## Summary

Snow fell lightly for two days. The roads were clear and wet by noon Monday - Wednesday. Roads became snow covered again after the sun set each day. Layers of compaction in slow moving areas were observed 11/15 and 11/16 as the plows began plowing each day. Mild temps and salt helped to melt the ice and snow compaction. We did have three different plow trucks go out of service on 11/15 for mechanical issues. This delayed plowing to certain areas as the operators waited for service repair or switched to other trucks. Snow continued to fall with the flurries and 5 straight days of plowing was needed to clear the roads and keep compaction and ice from forming.

### **Decisions Made**

Start early when there was enough snow to begin plowing and before the morning commutes. Apply 300 lbs. of salt per best practice guidelines for the precipitation type and road temperatures. Plowing each morning when the flurries tapered off allowed for the roads to clean up well.

### **Lessons Learned**

Early plowing, mild temps and appropriate salt application led to roads clearing quickly. Crew's dedication to getting the roads plowed and clear as soon as there was enough snow led to success.

### **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	Met	18 Hr.
Priority 2	Met	48 hr.