

CROW WING COUNTY

December 30, 2020 Snow Event #17 - 2020 - 11

Reported Event Conditions	
Date:	12/30/2020
Event No:	#17-2020-11
Begin Time:	12/29/20 6PM
End Time:	12/30/20 6AM
Weather:	Snow
Precipitation:	6"
Temperature:	21-10
Wind:	0-5 MPH

Event Costs	
Salt	\$24,798
Sand	\$0
Brine	\$2,181
Equipment/Fuel	\$21,200
Personnel Reg.	\$7,326
Personnel OT	\$2,597
Total	\$58,101
Cost Mile	\$104
Season Total:	\$354,443

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%

— MnDOT Highway

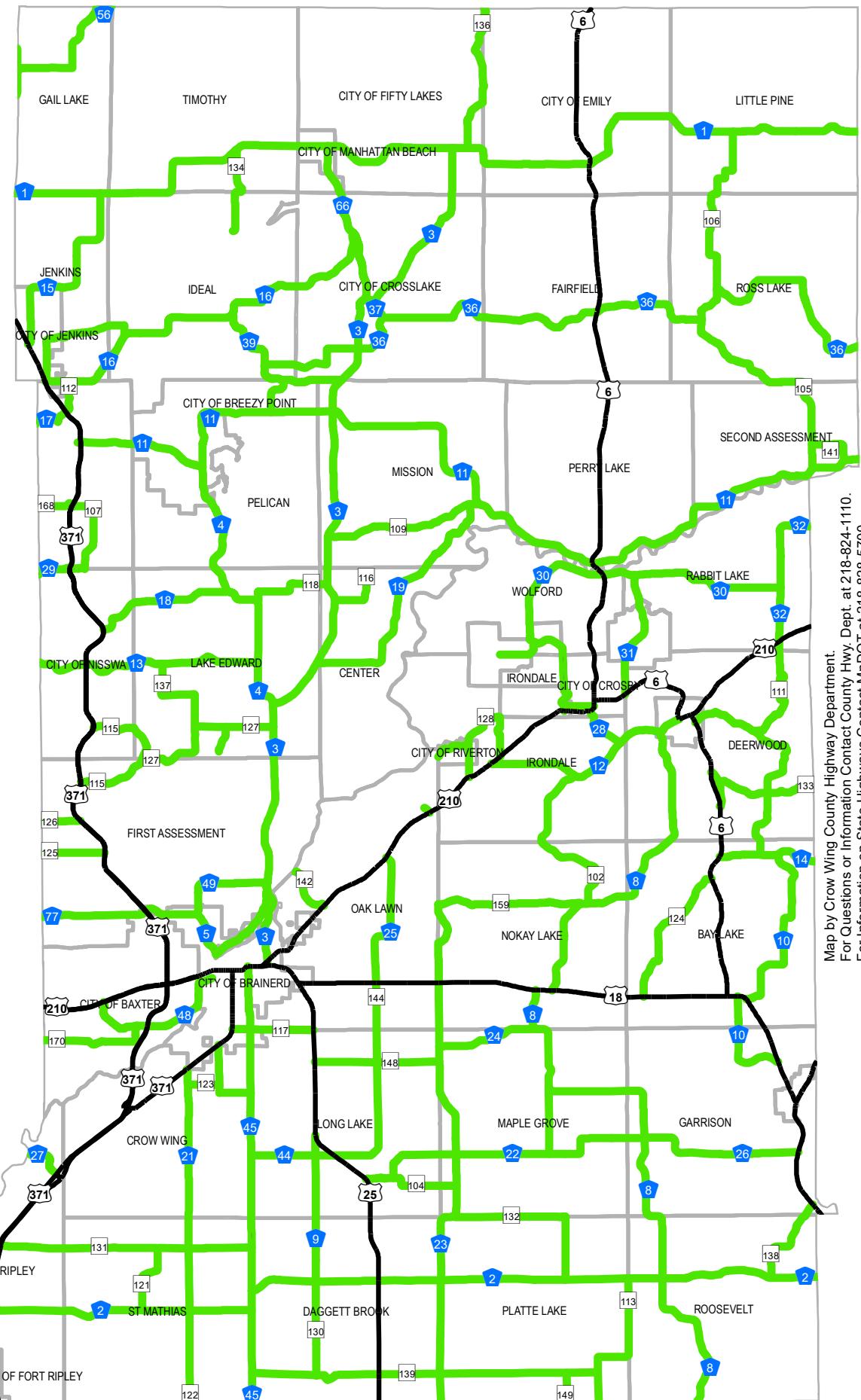
Route Priority

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

Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 1/4/2021



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.

2020/2021 Summary For Snow Event #17 2020 11

Date 12-30-20

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
272.5	\$24,798	0	\$0	3304	\$2,181	\$26,978	\$21,200	\$7,326.00	\$2,597

Total \$58,101

15 Plow hrs.

\$3,873 per/hr.

287.50 Man hrs.

\$104 per/CL/mile

\$2.19 per/household for entire County

Forecast

3.5" of snow expected to begin falling at 2:00 PM 12-29-20 and continue until 3:00 AM 12-30-20, with 0-15 mph winds.

Pre Plan

Begin plowing at 3:00 AM 12-30-20, apply 400 lbs. of treated salt on centerlines.

Actual Event

Event start: 12-29-20 6:00PM

Event ended 12-30-20 6:00AM

Comments

Snow event began later than forecasted and hung on later than forecasted. 6" of snow

Conditions

Air temps in the mid teens and pavement temps in the 20's.

Road	Road Temp	Date	Time	Air Temp
CSAH 20	23	12\30\20	9:00AM	15

Date	High	Low
12/28/2020	15	-10
12/29/2020	20	-10
12/30/2020	21	4
12/31/2020	22	3

Source: weather.com. Monthly Weather. 56401

Summary

Roads cleaned up well.

Decisions Made

Our decision to start plowing at 3:00 AM and apply 300 lbs. of salt on centerlines worked well.

Lessons Learned

Early plowing and 300 lbs. of salt application worked well.

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.