

CROW WING COUNTY

December 23, 2020 Snow Event #16 - 2020 - 10

Reported Event Conditions	
Date:	12/23/2020
Event No:	#16-2020-10
Begin Time:	12/23/20 11AM
End Time:	12/23/20 8PM
Weather:	Snow
Precipitation:	3"
Temperature:	31°
Wind:	25-40 MPH

Event Costs	
Salt	\$601
Sand	\$680
Brine	\$96
Equipment/Fuel	\$21,325
Personnel Reg.	\$4,544
Personnel OT	\$7,337
Total	\$34,582
Cost Mile	\$62
Season Total:	\$250,692

Priority By Route	
Priority 1	
% Target 1A Met:	100%
% Target 1B Met:	85%
Priority 2	
% Target 2A Met:	100%
% Target 2B Met:	98%
Priority 3	
% Target 3A Met:	100%

— MnDOT Highway

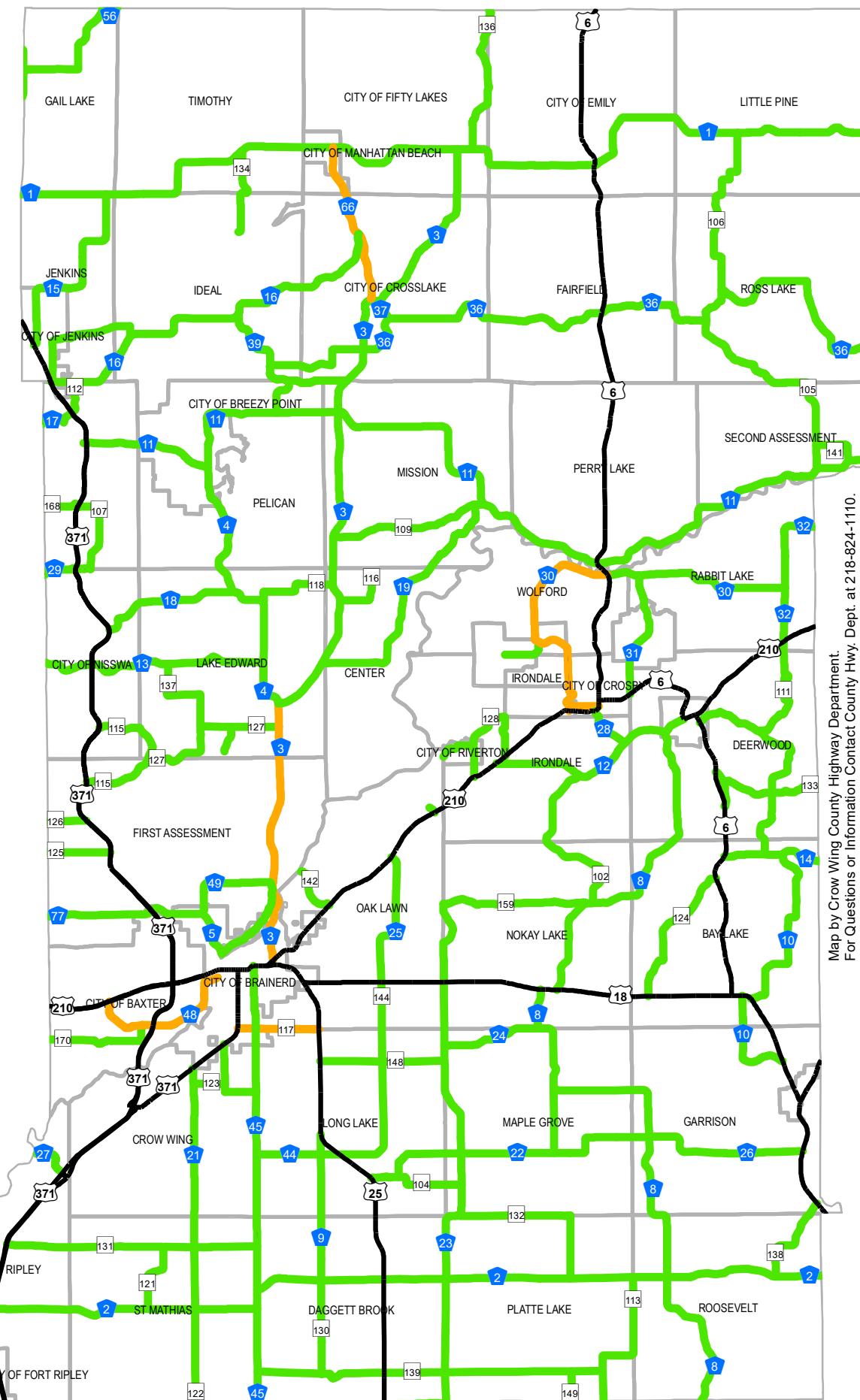
Route Priority

- 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 # 16 - 2020 - 10

Date 12-23-20

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
6.6	\$601	20	\$680	145.25	\$96	\$1,376	\$21,325	\$4,544.00	\$7,337

Total \$34,582

16.5 Plow hrs.

\$2,096 per/hr.

297.00 Man hrs.

\$62 per/CL/mile

\$1.30 per/household for entire County

Forecast

5.5" of snow expected to start falling at 8:00 a.m. and ending at 11:00 p.m. Winds 25-40 mph creating blizzard conditions.

Pre Plan

Begin plowing at 11:00 a.m. 12-23 and continue plowing until 8:00 p.m. Begin again at 3:00 a.m. 12-24. Salt will be applied to paved roadways at a rate of 450-500 lbs. per mile.

Actual Event

Event start: 12/23/20 11:00AM

Event ended 12/23/2020 8:00PM

Comments

With the strong winds we did not apply material. Most roads were blowing clean or freeze drying. We did encounter some compaction at intersections and slow moving traffic areas from vehicles.

Conditions

The strong winds continued throughout the event. 5" of snow fell and blew around.

Road	Road Temp	Date	Time	Air Temp
TH 25	27	12/23/20	7:00 AM	30
TH 6	-3	12/24/20	7:00 AM	-6

Date	High	Low
12/22/2020	37	18
12/23/2020	35	1
12/24/2020	2	-11
12/25/2020	22	-11

Source: weather.com. Monthly Weather. 56401

Summary

Dry snow, cold temperatures and wind helped the roads clean up well. The only troublesome areas were at intersections, in town roads where traffic packed the snow down. Sand was applied at compacted intersections.

Decisions Made

Plowing late into the evening and returning early to rescrape and push back drifts while not using material was beneficial for meeting our goals.

Lessons Learned

Wind and falling temperatures helped the snow from sticking and allowed the roads to clean up 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	Not Met	18 Hr.
Priority 2	Not Met	48 hr.