

CROW WING COUNTY

November 24, 2020 Snow Event #12 - 2020 - 6

Reported Event Conditions

Date:	11/24/2020
Event No:	#12-2020-6
Begin Time:	11/24/20 4AM
End Time:	11/24/20 2PM
Weather:	Snow
Precipitation:	1"
Temperature:	36/29
Wind:	0-5 MPH

Event Costs

Salt	\$12,649
Sand	\$0
Brine	\$1,175
Equipment/Fuel	\$10,608
Personnel Reg.	\$4,237
Personnel OT	\$0
Total	\$28,669
Cost Mile	\$51
Season Total:	\$175,795

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

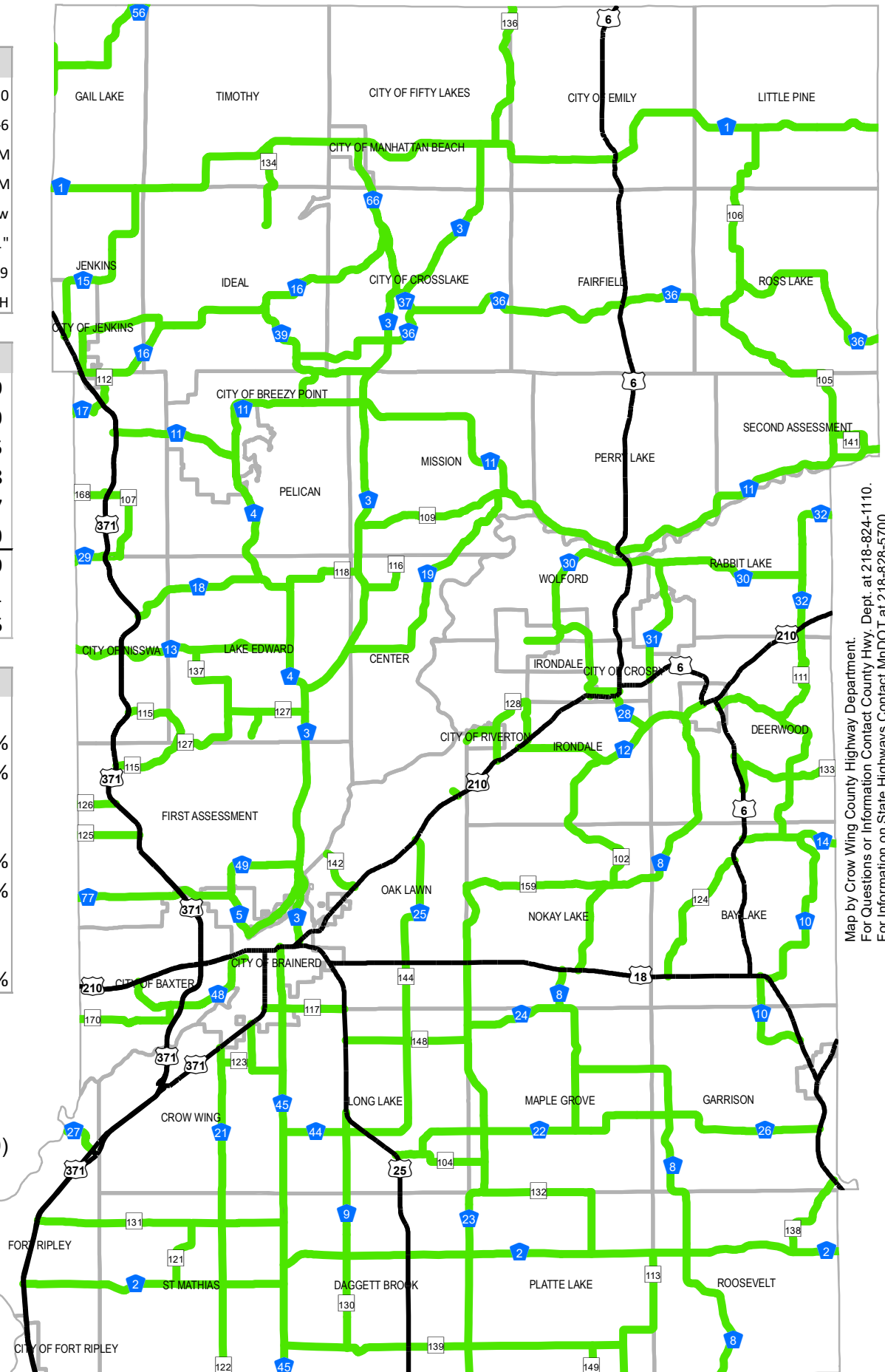
Route Priority

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

Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 11/30/2020



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 #12 - 2020 - 6
Date 11-24-20

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
139	\$12,649	0	\$0	1781	\$1,175	\$13,824	\$10,608	\$4,237.00	\$0

Total	\$28,669	8.5 Plow hrs.	\$3,373 per/hr.
		138.50 Man hrs.	\$51 per/CL/mile
			\$1.08 per/household for entire County

Forecast

1/2" of snow expected to start falling at 4 a.m. switch over to rain and end at 2 p.m. 11-24-20. Temps between 29-36 degrees.

Pre Plan

Begin plowing at 5 a.m. due to rain/snow and freezing temps. Apply 200 lbs. on centerline to help the melting.

Actual Event

Event start: 11-24-20 5 a.m.

Event ended 11-24-20 2 p.m.

Comments

Snow started and continued until 2 p.m. Some roads had to be plowed twice because the salt was not effective and some refreezing was observed. We did see some additional mist around Pequot, Crosslake and Emily the morning of 11-25, making some roads slippery and requiring truck s to reapply salt.

Conditions

Upper twenties to mid thirties and sun in the afternoon.

Road	Road Temp	Date	Time	Air Temp
Hwy 6	29	11\24\20	4:00AM	29
Hwy 6	35	11\24\20	12:00PM	33

Date	High	Low
11/23/2020	31	15
11/24/2020	34	28
11/25/2020	35	32
11/26/2020	33	26

Source: weather.com. Monthly Weather. 56401

Summary

Roads cleaned up well once the road temps came up around 11 a.m.

Decisions Made

Start plowing at 5 a.m. and apply 200 lbs. of salt. Replow snow covered roads were refreeze was observed.

Lessons Learned

Starting to plow at 5 a.m. and apply 200 lbs. of salt worked well with the temps forecasted.

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.