

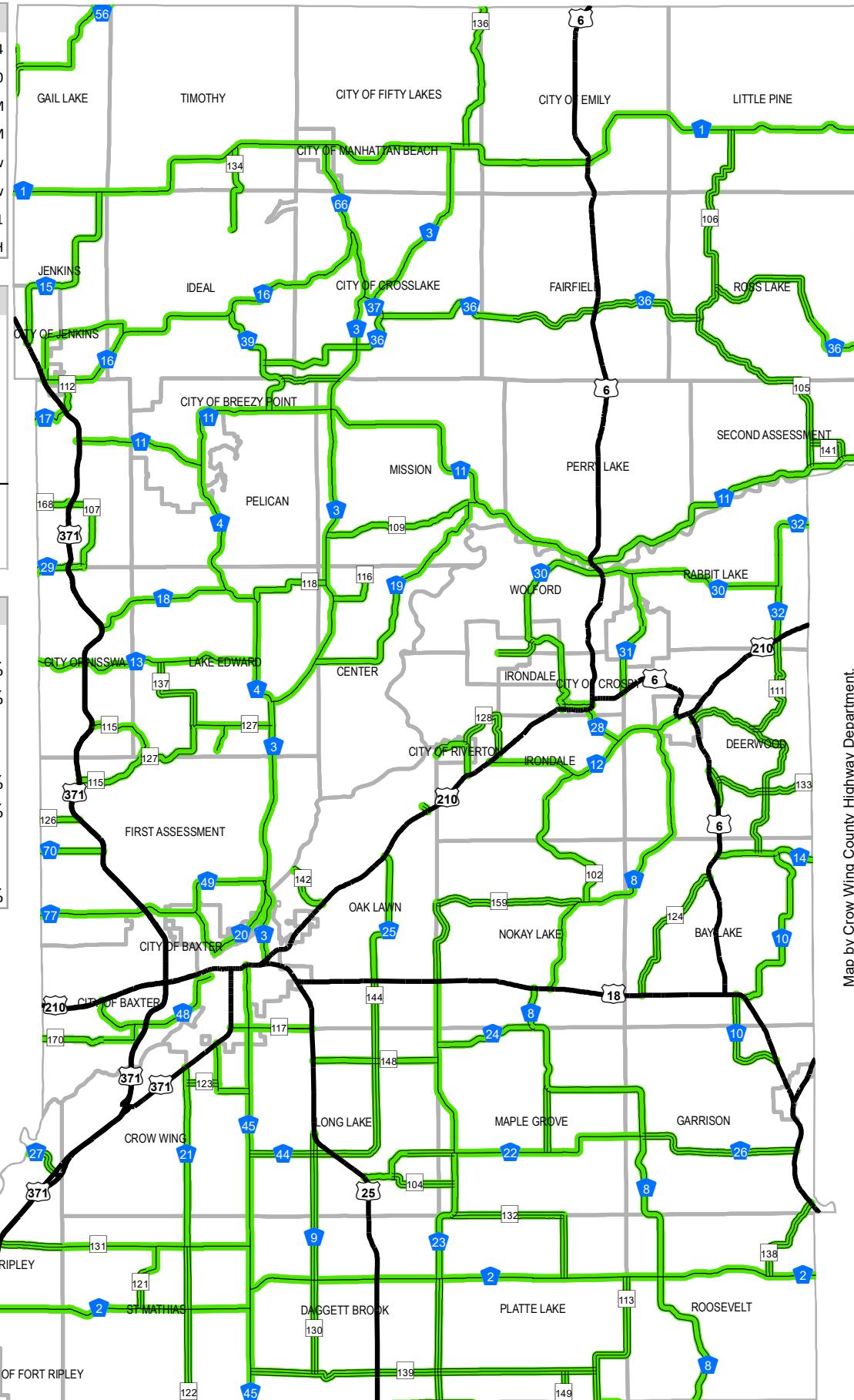
CROW WING COUNTY

Storm Event #1 2024/2025 11/25/24

Reported Event Conditions	
Date:	11/24/2024
Event No:	1-2024-10
Begin Time:	11/25/24 1 AM
End Time:	11/25/24 4 AM
Weather:	Snow
Precipitation:	1" Snow
Temperature:	32/11
Wind:	10-25 MPH

Event Costs	
Salt	\$16,229
Sand	\$0
Brine	\$1,412
Equipment/Fuel	\$29,827
Personnel Reg.	\$9,177
Personnel OT	\$697
Total	\$57,241
Cost Mile	\$102
Season Total:	\$57,241.00

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%



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.

2024/2025 Summary For Snow Event

Date

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
174.5	\$16,229	0	\$0	2140	\$1,412	\$17,641	\$29,827	\$9,176.54	\$697

Total \$57,341

154.0 Plow hrs.

\$372 per/hr.

255 Man hrs.

\$102 per/CL/mile

\$2.16 per/household for entire County

Forecast

Forecast as of 3 pm on Sunday was for 1-3 inches of snow ending around 5 am with falling temperatures through the day.

Pre Plan

Staff plan was to begin snow plowing and deicing at 5 am based on the forecast. 400#/ lane mile was to be applied at this time.

Actual Event

Event start: 11:00 PM

Event ended

5:30 AM

Details/Comments

Manager/Supervisors began monitoring highways at 3 am and decided based on air temps to reduce salt to 200#/ lane mile.

Conditions

32 degrees at 3:30 am with snow falling. County and State highways were slushy with snow in spots

Road	Road Temp	Date	Time	Air Temp

Date	High	Low
11/25/2024	32	15

Source: weather.com. Monthly Weather. 56401

Summary

Staff began at 5 am applying salt at 200#/ lane mile due to warm enough temps and scraping down to bare pavement.

Decisions Made

During the event we noticed changing conditions and increased our salt usage to 300# around 7:15 am due to a 6 degree fall in temperatures. By 8 am we increased again to 400#. This seemed to be the best poundage

Lessons Learned

By the time the plowing and deicing was completed for the day we had a temperature decrease by 12 degrees. By having the supervisors and manager out on the roads they were able to make these decisions on the fly

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.