

CROW WING COUNTY

Storm Event #4 2024/2025 12/11/24



Reported Event Conditions

Date: 12/10/2024
 Event No: #4 24-25
 Begin Time: 12/9/2024 8PM
 End Time: 12/10/24 2AM
 Weather: Snow
 Precipitation: 1 inch
 Temperature: 14/-18
 Wind: 10-15 MPH

Event Costs

Salt \$744
 Sand \$2,754
 Brine \$512,673
 Equipment/Fuel \$19,159
 Personnel Reg. \$5,692
 Personnel OT \$95
 Total \$23,864
 Cost Mile \$43
 Season Total: 164K

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%

Legend

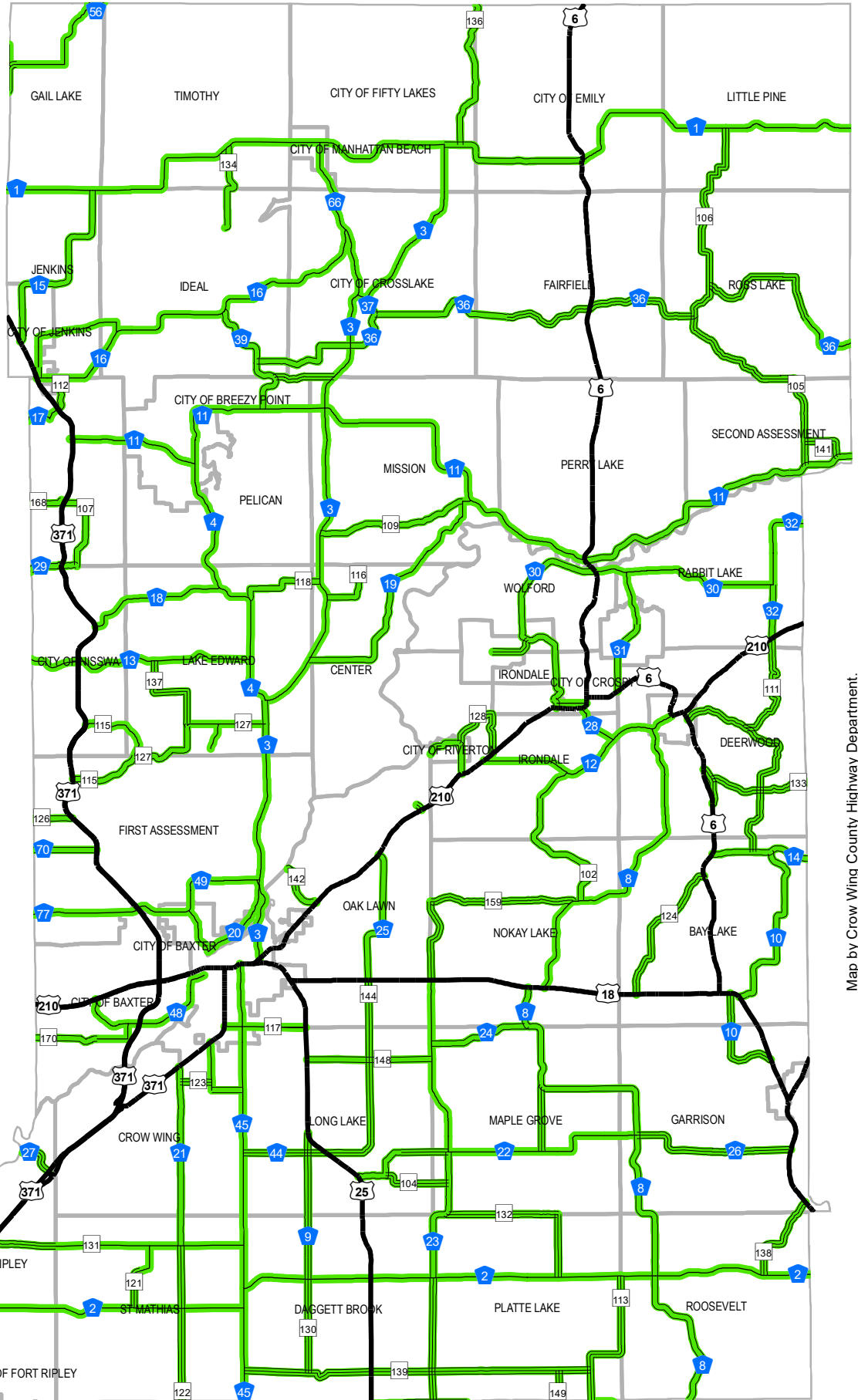
MnDOT Highway

Route Priority

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

Route Target

Target Achieved
 Target Partly Achieved
 Target Not Achieved



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.

Report Date: 12/13/2024

2024/2025 Summary For Snow Event

12/11/24

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
8	\$744	81	\$2,754	775	\$512	\$4,010	\$19,159	\$5,692.00	\$95

Total	\$23,864	132.0 Plow hrs.	\$181 per/hr.
		148 Man hrs.	\$43 per/CL/mile
			\$0.90 per/household for entire County

Forecast

1 inch of snow followed by gusty winds and temperatures falling from 15 above to -15 by midnight on Wednesday night

Pre Plan

Staff was notified Tuesday evening about a 5 am start on Wednesday. Plan was to use treated salt at 300#/mile. Highway Manager and Highway Supervisor were monitoring conditions on the roads starting at 2 am.

Actual Event

Event start: 8:00 PM

Event ended 12:00 AM

Details/Comments

Snowfall totals across the county were 1/2 inch in the west to 1 inch in the east. Strong winds made for some roads being bare while others had snow build up on them.

Conditions

Temperatures fell 10 degrees between 2 am and 7 am and continued to fall through the day. Strong NW winds also caused some issues.

Road	Road Temp	Date	Time	Air Temp
1	7		8:00 AM	-2

[illegible]

Source: weather.com. Monthly Weather. 56401

Summary

Roads were plowed and treated with sand/salt due to traction being good in most parts. We did not use treated salt due to the rapidly dropping temperatures and the windy conditions.

Decisions Made

Decision was made to use sand/salt mixture instead of treated salt. We did not have traction issues at most intersections and we thought if we used salt it could cause a refreezing issue with temps forecast to fall to -15

Lessons Learned

We did not get 100% of our goals due to the rapid temperature drop. We did not have any reports of issues even with their still being some snow/ice that remained in areas which were shaded from sunlight.

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.