

CROW WING COUNTY

April 5-8, 2022 Snow Event #9 - 2022 - #16



Reported Event Conditions

Date: 4/5-8/2022
Event No: #9-2022-#16
Begin Time: 4-5 10AM
End Time: 4-8 1AM
Weather: Rain/Snow
Precipitation: 6" Snow
Temperature: 37/28
Wind: 15 -35 MPH

Event Costs

| | |
|----------------|----------|
| Salt | \$456 |
| Sand | \$0 |
| Brine | \$238 |
| Equipment/Fuel | \$15,433 |
| Personnel Reg. | \$5,456 |
| Personnel OT | \$508 |
| <hr/> | |
| Total | \$22,091 |
| Cost Mile | \$39 |
| Season Total: | 1.14 M |

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

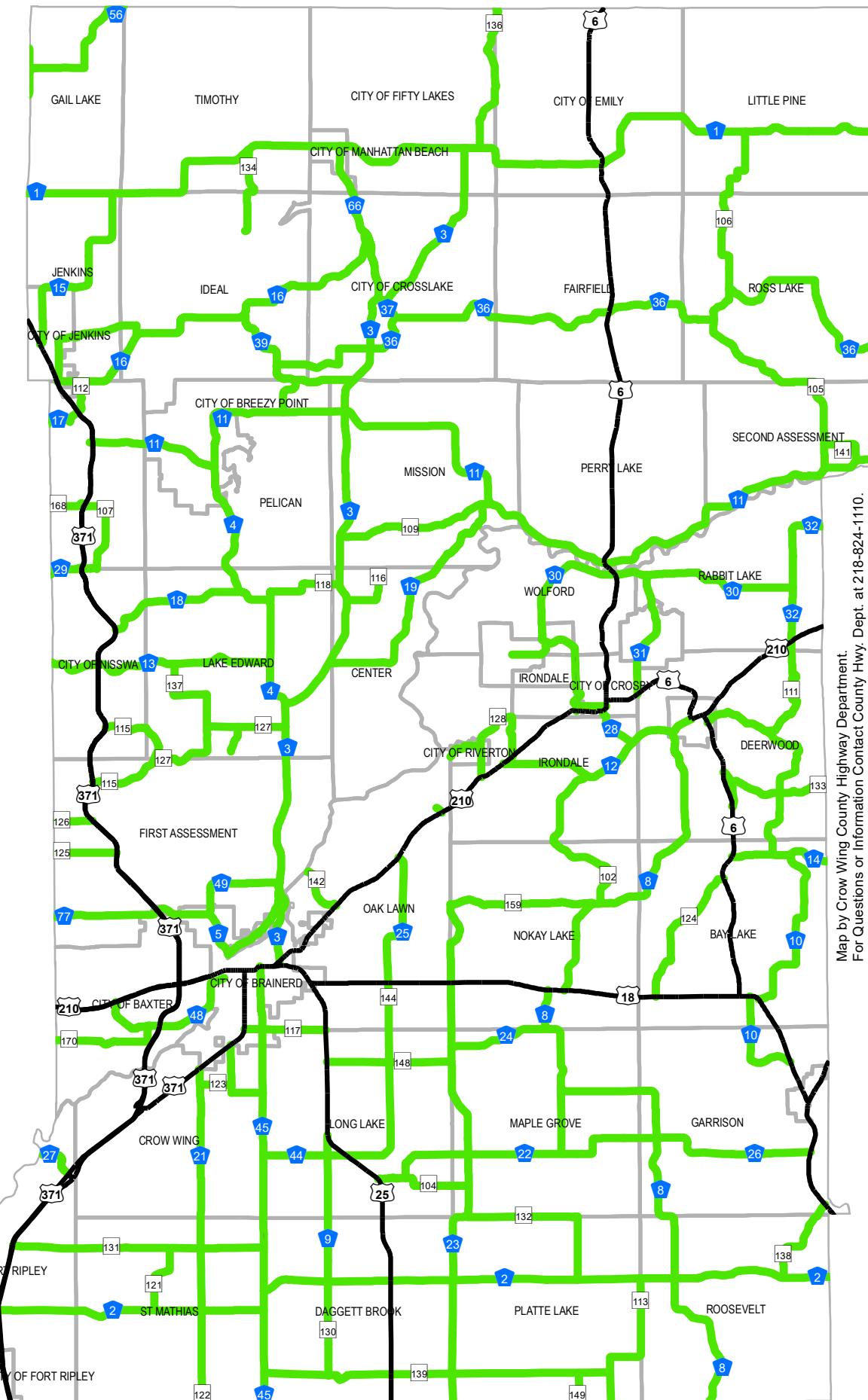
Route Priority

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

Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 4/11/2022



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.

2021/2022 Summary For Snow Event #9 - 2022 - #16

Date 4-6-22

| Salt Tons | Salt \$ | Sand Tons | Sand \$ | Brine gal | Brine \$ | Mat. Total | Equip \$ | Reg. Personnel | OT \$ |
|-----------|---------|-----------|---------|-----------|----------|------------|----------|----------------|-------|
| 6 | \$456 | 0 | \$0 | 360.5 | \$238 | \$694 | \$15,433 | \$5,456.00 | \$508 |

Total \$22,091 11.3 Plow hrs. \$1,953 per/hr.
 181.00 Man hrs. \$39 per/CL/mile
 \$0.83 per/household for entire County

Forecast

Rain forecasted to start falling at 10:00 a.m. on 4/5, and turn to snow at 4:00 a.m. 4/6, 1/2" expected. It was forecasted to turn back to rain early Wednesday morning before turning back to snow at 4:00 p.m. 4/6, <1.5" of snow expected. The snow was forecasted to continue until 9:00 p.m. 4/7, with an additional ~ 1" expected.

Pre Plan

Begin plowing early on 4/6 if the snow materialized. No salt will be needed unless operators witness ice issues because the pavement temps were above 32 degrees. Start early again 4/7 if snow is present.

Actual Event

Event start: 4/5/22 10:00AM

Event ended 4/8/2022 1:00AM

Comments

Snow began to fall at 7:00 a.m. 4/5. Plows were dispatched at 9:00 a.m. to remove the snow/slush from the roads. On 4/6 plows were dispatched at 6:30 a.m. to remove 4" snow/slush in the north half of the county.

Conditions

2" of snow/slush removed 4/5, 4" of snow removed north half of County 4/6. Transitioned to rain in the A.M. of 4/6 and continue to rain through 4/7/22.

| Road | Road Temp | Date | Time | Air Temp |
|--------|-----------|----------|---------|----------|
| HWY 6 | 32 | 4\5\22 | 12:00PM | 34 |
| HWY 25 | 34 | 4\5\22 | 12:00PM | 36 |
| HWY 6 | 32 | 4\6\22 | 11:00AM | 34 |
| HWY 25 | 38 | 4/6/2022 | 11:00AM | 34 |
| HWY 6 | 33 | 4\7\22 | 9:00AM | 31 |
| HWY 25 | 36 | 4/7/2022 | 9:00AM | 32 |

| Date | High | Low |
|----------|------|-----|
| 4/4/2022 | 47 | 32 |
| 4/5/2022 | 37 | 31 |
| 4/6/2022 | 37 | 32 |
| 4/7/2022 | 34 | 28 |
| 4/8/2022 | 44 | 21 |

Source: weather.com. Monthly Weather. 56401

Summary

Snow began to fall earlier than expected on 4/5. All roads cleaned up and were clear by 4:00 PM on 4/5. Snow began to fall again around 10:00 p.m. on 4/5 and continue into the morning of 4/6. 0" snow SE part of the county, 4" of snow north half of the County. All roads clear at 11:30 a.m. 4/6. The rain continued from 4/6 through 4/7. We encountered drifting issues on 4/8 in the very north half of the county.

Decisions Made

Start plowing at 9:00 a.m. on 4/5 and at 6:30 a.m. on 4/6. Decided to only apply salt at icy intersections, which were minimal.

Lessons Learned

Trucks should have been dispatched earlier up north on 4/6. Forecasts were different than actual events. Saw little to no snow in Brainerd overnight on 4/6. Should have realized slightly cooler temps up north resulted in snow vs. rain. Very little salt was needed and the roads cleaned up well.

Goals Met/Not Met

| Plowing | Goals |
|------------|-------|
| Priority 1 | Met |
| Priority 2 | Met |
| Priority 3 | Met |

| Bare wheel paths | Goals |
|------------------|-------|
| Priority 1 | Met |
| Priority 2 | Met |