

# CROW WING COUNTY

## March 11, 2021 Snow Event #6 - 2021 - 17



## Reported Event Conditions

|                |             |
|----------------|-------------|
| Date:          | 3/11/2021   |
| Event No:      | #6-2021-17  |
| Begin Time:    | 3-10-21 2PM |
| End Time:      | 3-11-21 5AM |
| Weather:       | Snow        |
| Precipitation: | 6"          |
| Temperature:   | 38\12       |
| Wind:          | 10-40 MPH   |

## Event Costs

|                |           |
|----------------|-----------|
| Salt           | \$5,539   |
| Sand           | \$0       |
| Brine          | \$588     |
| Equipment/Fuel | \$13,035  |
| Personnel Reg. | \$4,456   |
| Personnel OT   | \$4,456   |
| Total          | \$25,945  |
| Cost Mile      | \$46      |
| Season Total:  | \$631,536 |

## 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

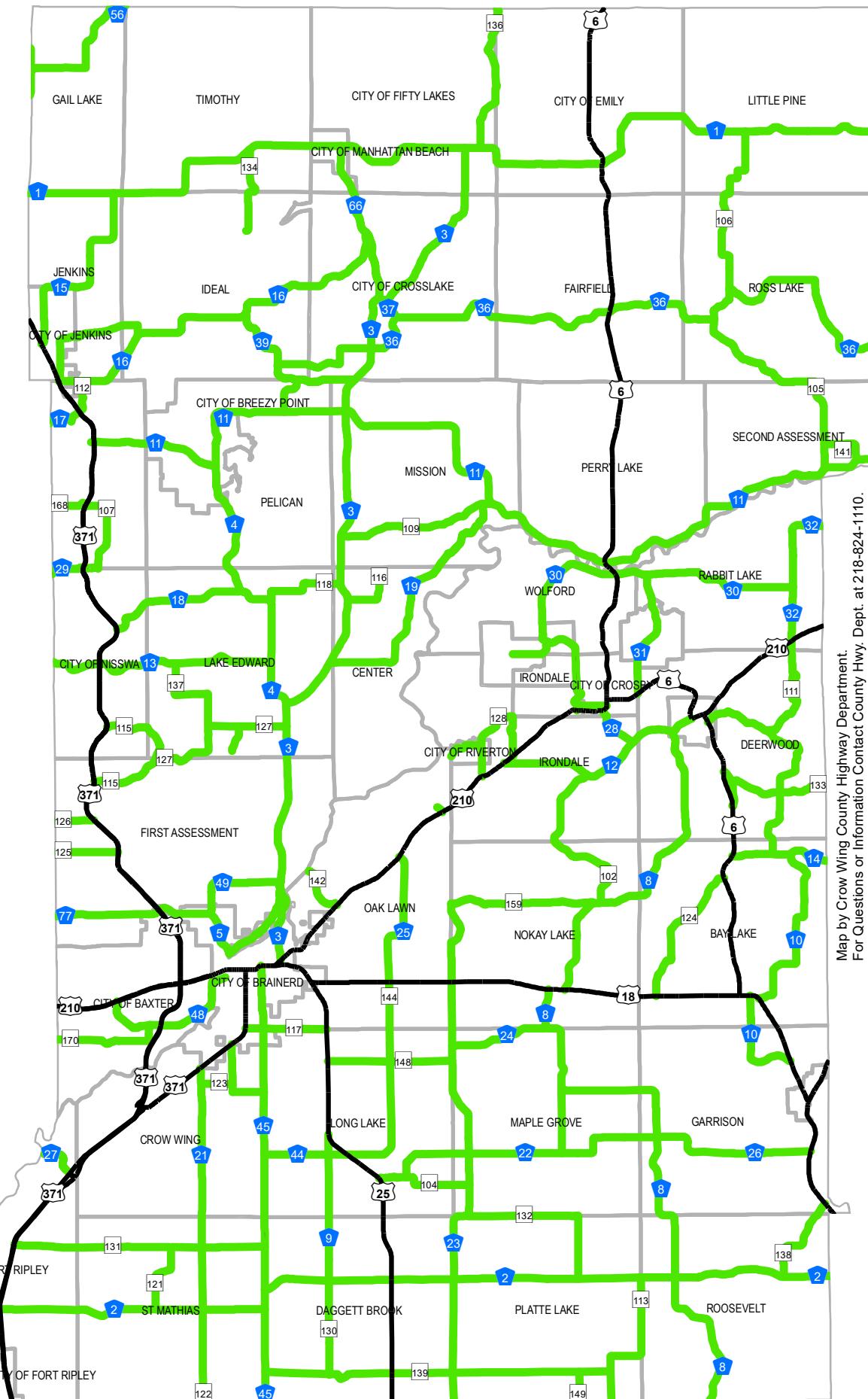
## Route Priority

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

## Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 3/15/2021



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 #6 - 2021 - 17

Date 3-11-21

| Salt Tons | Salt \$ | Sand Tons | Sand \$ | Brine gal | Brine \$ | Mat. Total | Equip \$ | Reg. Personnel | OT \$   |
|-----------|---------|-----------|---------|-----------|----------|------------|----------|----------------|---------|
| 60.87     | \$5,539 | 0         | \$0     | 891.5     | \$588    | \$6,128    | \$13,035 | \$4,456.00     | \$2,326 |

**Total** \$25,945      10.1 Plow hrs.      \$2,559 per/hr.  
 182.50 Man hrs.      \$46 per/CL/mile  
 \$0.98 per/household for entire County

### Forecast

2"-4" of snow forecasted to start falling at 2:00 p.m. 3/10/21. Winds 10-40 mph.

### Pre Plan

Have snowplows begin plowing at 3:00 a.m. 3-11-21 and apply 250 lbs. only where needed. Plow all drive lanes first and then turn around and rescrape and apply light amounts of material at intersections if needed.

### Actual Event

Event start: 3/8/2021 2:00PM

Event ended 3/9/2021 5:00AM

### Comments

Called snowplow drivers in at 1:30 am 3/11 because of the 6+" of accumulating snow in the northern end of the county. Roads cleaned up well. Some compaction due to continued falling snow as the plows were plowing.

### Conditions

Warmer temps allowed for minimal salt use. Compaction after initial plowing caused the need to apply salt on roads plowed a second time due to compaction from the continued falling snow. Some light drifting with the winds 10-40 mph.

| Road  | Road Temp | Date   | Time    | Air Temp |
|-------|-----------|--------|---------|----------|
| Hwy 6 | 31        | 3/9/21 | 2:00 AM | 30       |
|       |           |        |         |          |
|       |           |        |         |          |
|       |           |        |         |          |

| Date      | High | Low |
|-----------|------|-----|
| 3/9/2021  | 61   | 33  |
| 3/10/2021 | 37   | 27  |
| 3/11/2021 | 38   | 12  |
| 3/12/2021 | 38   | 26  |

Source: weather.com. Monthly Weather. 56401

### Summary

Roads cleaned up well. Minimal salt used initially. Some compaction began with the continued falling snow into the early morning. The continued snow forced us to use light amounts of salt to melt through the compaction.

### Decisions Made

Begin earlier because of the snow depth in the north end of the county. Apply salt only at intersections or where compacted.

### Lessons Learned

Early snowplowing helped the roads clean up well before traffic packed them down. Very little salt was needed to achieve our goals of bare wheel paths.

### 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. |