

# CROW WING COUNTY

## February 12, 2019 Snow Event #9 - 2019 Maya

### Reported Event Conditions

Date: 2/12/2019  
 Event No: #9-2019 Maya  
 Begin Time: 2/12/19 2AM  
 End Time: 2/12/19 8PM  
 Weather: Snow  
 Precipitation: 5" snow  
 Temperature: 22\12  
 Wind: 5 MPH

### Event Costs

Salt	\$33,750
Sand	\$0
Brine	\$3,359
Equipment/Fuel	\$27,293
Personnel Reg.	\$10,501
Personnel OT	\$3,230
<b>Total</b>	<b>\$78,133</b>
Cost Mile	\$140
Season Total:	\$714,703

### Priority By Route

<b>Priority 1</b>	
% Target 1A Met:	100%
% Target 1B Met:	100%
<b>Priority 2</b>	
% Target 2A Met:	100%
% Target 2B Met:	100%
<b>Priority 3</b>	
% Target 3A Met:	100%

### Legend

MnDOT Highway

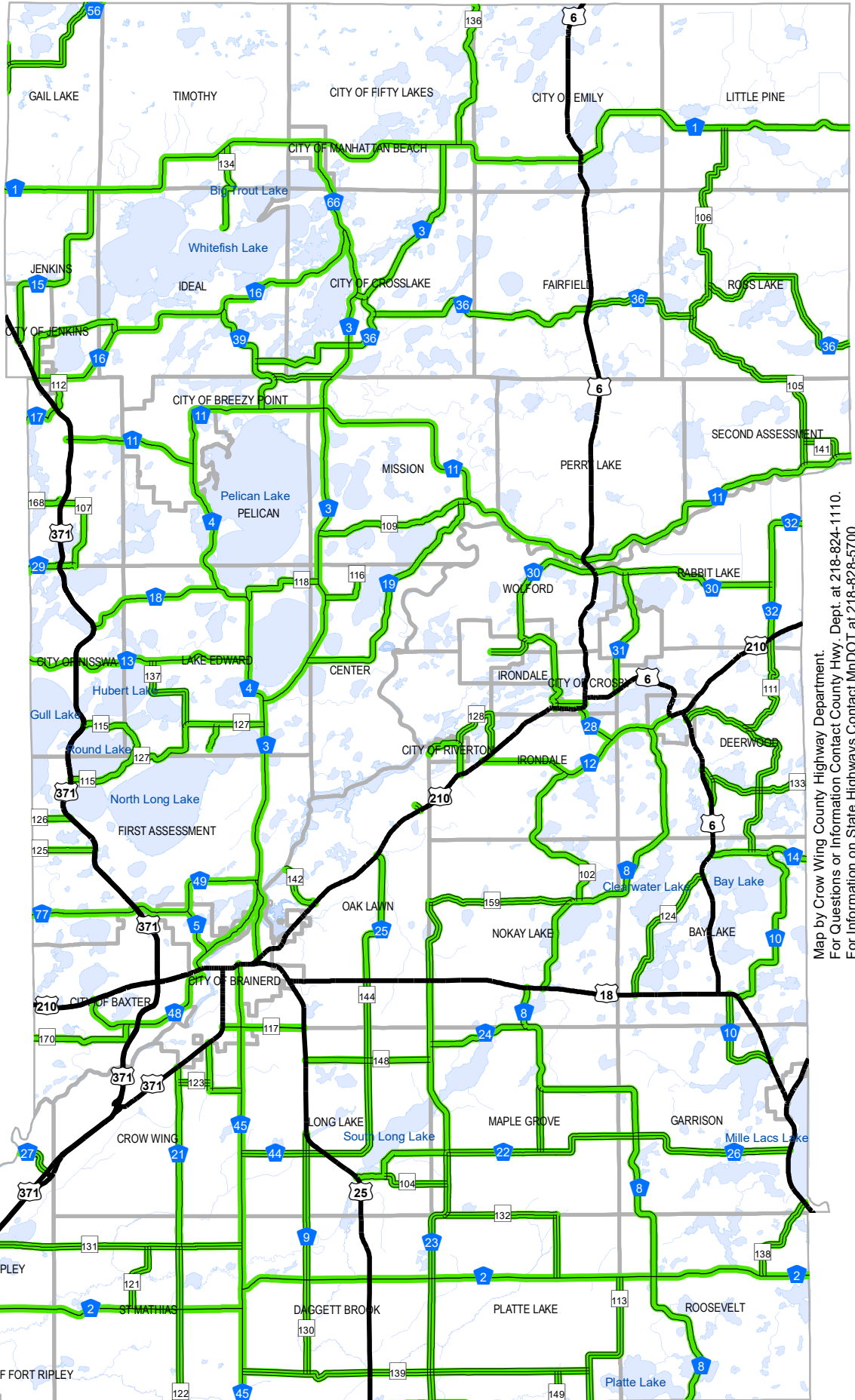
### Route Priority

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

### Route Target

Target Achieved  
 Target Partly Achieved  
 Target Not Achieved

Report Date: 2/15/2019



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.

## 2018/2019 Summary For Snow Event #9 - 2019

### Date 2-12-19

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
450	\$33,750	0	\$0	5089	\$3,359	\$37,109	\$27,293	\$10,501.00	\$3,230

**Total**    \$78,133                                    24.4 Plow hrs.                                    \$3,201 per/hr.  
    390.5 Man hrs.                                    \$140 per/CL/mile

#### Forecast

6" of snow forecasted to begin falling at 6 PM 2/11/19 and continue to fall until 1 PM 2/11/19. 5-15 mph winds.

#### Pre Plan

Begin plowing at 5 AM 2/12 and continue into the evening. Apply treated salt on centerlines. Return to plow 2/13 if more clean up is needed.

#### Actual Event

**Event start:**                2/12/19 2AM

**Event ended**                2/12/19 8PM

#### Comments

Snow flurries fell all day on 2/11 but the heavier snow began to fall at 2 AM 2/12. At 5 AM on 2/12, when the trucks began plowing, there was about 1.5" of snow. Snowfall continued throughout the day.

#### Conditions

Moderate snowfall throughout the day on 2/12/19.

Road	Road Temp	Date	Time	Air Temp
Hwy 6	15	2\12\19	6:00 AM	19
Hwy 18	11	2\13\19	6:00AM	9
Hwy 18	25	2\13\19	12:00 PM	13
Hwy 6	17	2\12\19	6:00 PM	18
Hwy 6	25	2\13\19	3:00 PM	20

Date	High	Low
2/10/2019	13	-8
2/11/2019	20	3
2/12/2019	22	13
2/13/2019	24	12
2/14/2019	15	-6

#### Summary

5" of snow fell. Roads cleaned up well with continued plowing on 2/12 and because of the warmer temps. Snow continued falling until 8PM 2/12, when the forecast called for it to end by 2PM 2/12. Priority one roads achieved their goals overnight on 2/12 and priority 2 roads achieved their goals during the morning on 2/13.

#### Decisions Made

Start plowing at 5AM 2/12 and continue plowing until 8:30 PM, apply 500 lbs. of treated salt on centerline each time the road was plowed. Resume plowing at 5AM 2/13. Apply 300 - 500 lbs. of treated salt on centerlines to get the roads black before it gets cold again.

#### Lessons Learned

We tried to not treat a section of CR 66 to see if we could get by without salt application on 2/12, but compaction was observed and had to be treated. Roads cleaned up with diligent and extended plowing along with material and favorable pavement temps.

#### Goals Met/Not Met

Plowing		Goals	Bare wheel paths		Goals
Priority 1	Met	6 hr.	Priority 1	Met	18 Hr.
Priority 2	Met	12 hr.	Priority 2	Met	48 hr.