

CROW WING COUNTY

February 6, 2019 Snow Event #6 - 2019

Reported Event Conditions

Date: 2/6/2019
Event No: #6-2019
Begin Time: 2/5/19 8PM
End Time: 2/6/19 2AM
Weather: Snow
Precipitation: 1" snow
Temperature: 18/-8
Wind: 5 MPH

Event Costs

Salt	\$11,348
Sand	\$0
Brine	\$1,032
Equipment/Fuel	\$9,373
Personnel Reg.	\$3,638
Personnel OT	\$1,250
Total	\$26,641
Cost Mile	\$48
Season Total:	\$536,874

Priority By Route

Priority 1

% Target 1A Met: 99%
% Target 1B Met: 100%

Priority 2

% Target 2A Met: 100%

Priority 3

— MnDOT Highway

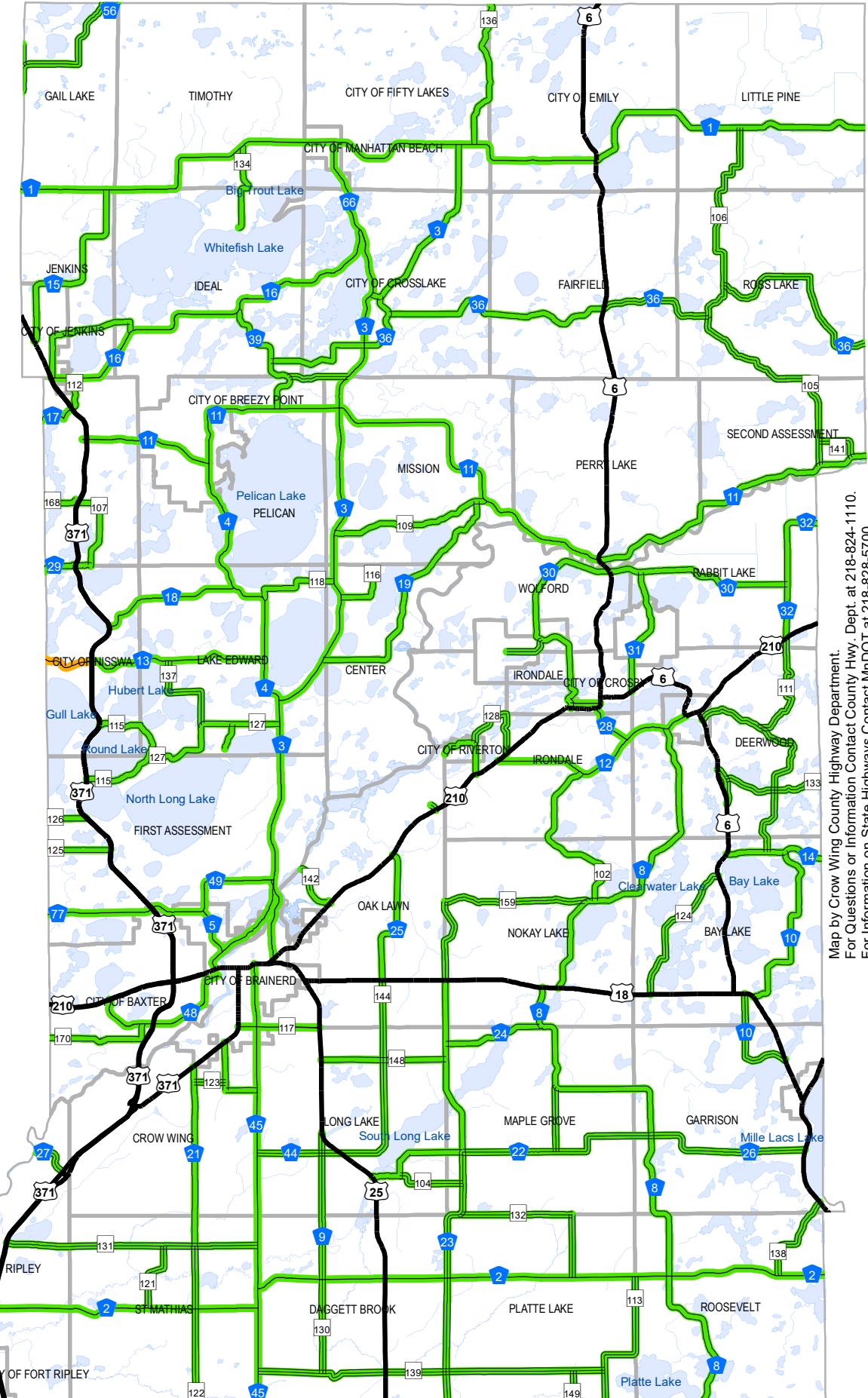
Route Priority

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

Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 2/7/2019



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 #6 - 2019

Date 2/5/19

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
133.5	\$11,348	0	\$0	1564	\$1,032	\$12,380	\$9,373	\$3,638.00	\$1,250

Total \$26,641

7 Plow hrs.
141 Man hrs.

\$3,806 per/hr.
\$48 per/CL/mile

Forecast

1.5" of snow expected to begin falling at 7 PM on 2/5/19 and end at 3 AM on 2/6. 5 mph winds.

Pre Plan

Begin plowing at 4 AM. Apply treated salt at 450 lbs. on centerlines.

Actual Event

Event start: 2/5/2019 8:00PM

Event ended 2/6/2019 2:00AM

Comments

Light snow about 1" fell overnight on 2/5/19.

Conditions

Light winds and temps in the teens helped the roads clean up well.

Road	Road Temp	Date	Time	Air Temp
Hwy 6	18	4\6\19	4:00 PM	13
Hwy 371	20	4\6\19	4:00 PM	16
Hwy 371	9	4\5\19	9:00 PM	6
Hwy 6	8	4\5\19	9:00 PM	4
Hwy 6	9	4\6\19	6:00 AM	8

Date	High	Low
2/4/2019	20	-4
2/5/2019	6	-8
2/6/2019	18	8
2/7/2019	10	-15

Summary

Warmer road temps during the day allowed substantial melting for our roads to meet our goals. We were minutes off our plowing goal because the event ended 4 hours earlier than forecasted.

Decisions Made

Start plowing at 4:00 AM 2/6 and apply treated salt at 500 lbs. on centerlines.

Lessons Learned

Start time, road temps and material worked well and we met our wheel path goals by early afternoon on all roads.

Goals Met/Not Met

	Plowing	Goals
Priority 1	97%	6 hr.
Priority 2	100%	12 hr.
Priority 3	100%	18 hr.

	Bare wheel paths	Goals
Priority 1	100%	18 Hr.
Priority 2	100%	48 hr.