

CROW WING COUNTY

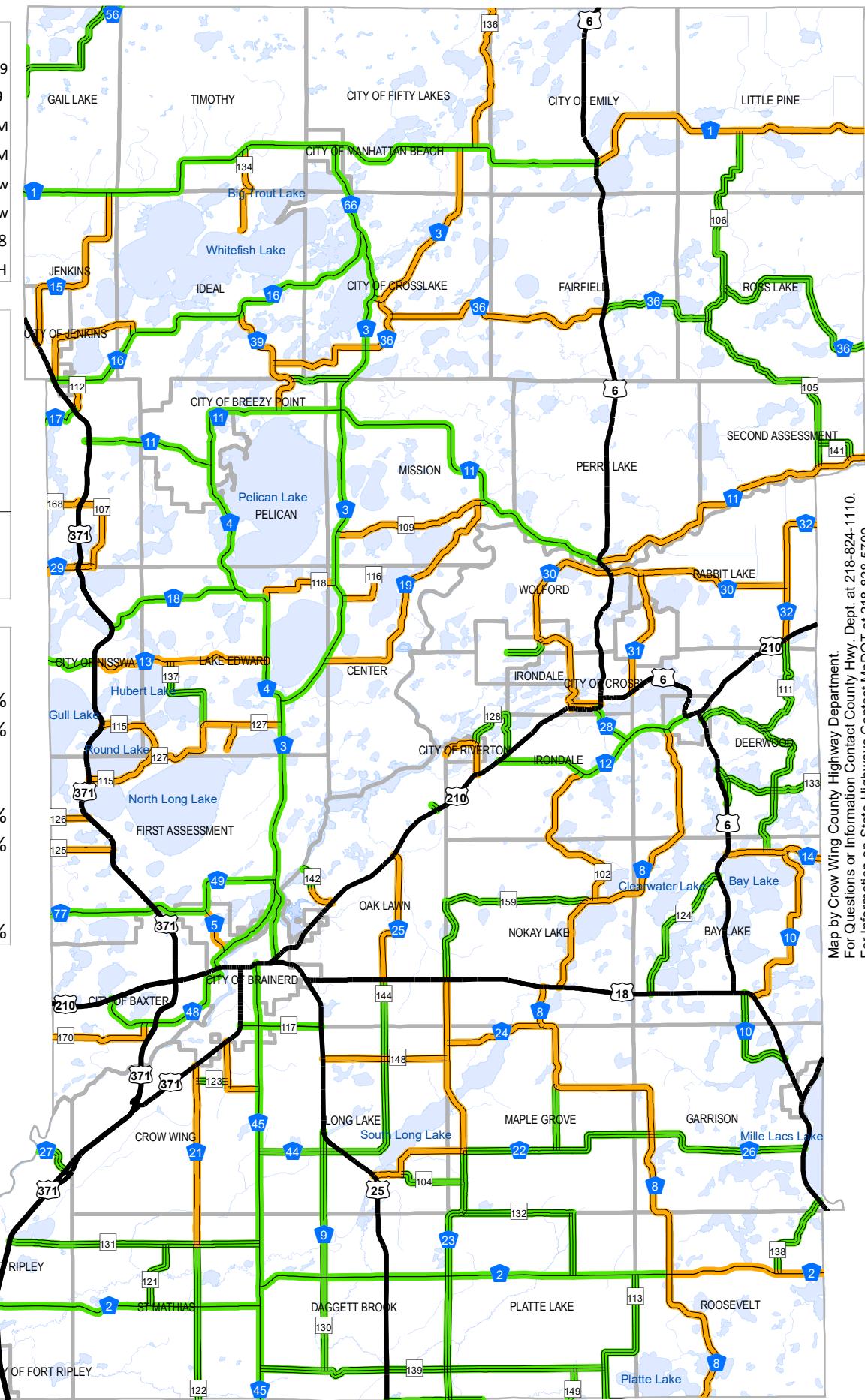
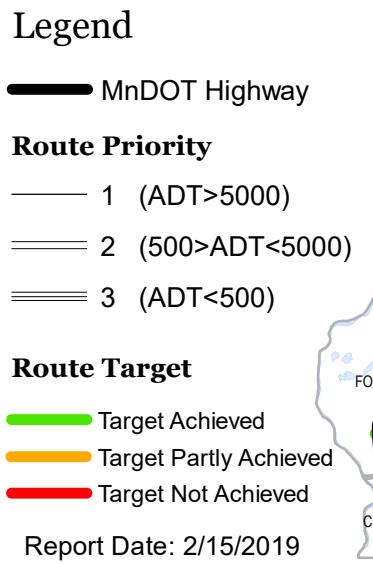
February 10, 2019 Snow Event #8 - 2019



Reported Event Conditions	
Date:	2/10/2019
Event No:	#8-2019
Begin Time:	2/10/19 12PM
End Time:	2/10/19 6PM
Weather:	Snow
Precipitation:	1.5" snow
Temperature:	13\8
Wind:	5 MPH

Event Costs	
Salt	\$16,490
Sand	\$2,244
Brine	\$2,336
Equipment/Fuel	\$17,565
Personnel Reg.	\$5,757
Personnel OT	\$3,636
Total	\$48,028
Cost Mile	\$86
Season Total:	\$636,570

Priority By Route	
Priority 1	
% Target 1A Met:	100%
% Target 1B Met:	93%
Priority 2	
% Target 2A Met:	100%
% Target 2B Met:	0%
Priority 3	
% Target 3A Met:	100%



2018/2019 Summary For Snow Event #8 - 2019

Date 2-10-19

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
194	\$16,490	66	\$2,244	3539	\$2,336	\$21,070	\$17,565	\$5,757.00	\$3,636

Total	\$48,028	15 Plow hrs.	\$3,202 per/hr.
		257 Man hrs.	\$86 per/CL/mile

Forecast

1.5" of snow was forecasted to begin falling at 9 AM 2-10-19 and end at 5 PM 2-10-19, with 5-10 mph winds.

Pre Plan

Start plowing at 4 PM 2-10-19 and apply sand to intersections for traction.

Actual Event

Event start: 2/10/2019 12PM

Event ended

2/10/19 6PM

Comments

Snow continued to fall later than expected. Intersections had compaction from Event #7 - 2019's snowfall and ice formed from exhaust over the weekend.

Conditions

1" of snow and very little wind. Snow flurries continued throughout the day on 2/11/19, not allowing roads to clear up as well as they should have.

Road	Road Temp	Date	Time	Air Temp
Hwy 371	13	2\10\19	4:00 PM	12
CR 142	6	2\11\19	7:00 AM	8
Hwy 6	16	2\11\19	9:15 PM	19
Hwy 6	15	2\12\19	6:00 AM	18

Date	High	Low
2/9/2019	-2	-26
2/10/2019	13	-8
2/11/2019	20	3
2/12/2019	22	13

Summary

Roads cleaned up well with the new snow on 2-10-19 but compaction and ice remains from Event #7 - 2019. Continued snowfall on 2-11-19 did not allow the priority 2 roads to obtain a bare wheel path and Event #9 - 2019 started on 2/12.

Decisions Made

Start plowing at 4 PM 2/10 and apply sand to compacted areas and intersections. Apply treated salt on centerlines to break up compaction.

Lessons Learned

The freshly fallen snow helped pull moisture out of the compacted snow at intersections and they improved a bit. Sand worked marginally on intersections. Some sand blew off and some ground in helping to loosen the compaction. The continued snowfall prevented the roads from cleaning up better. Salt was working but slowed with snowfall on 2/11.

Goals Met/Not Met

Plowing		Goals
Priority 1	Met	6 hr.
Priority 2	Met	12 hr.
Priority 3	Met	18 hr.

Bare wheel paths	Goals
Priority 1	Not Met
Priority 2	Not Met