

CROW WING COUNTY

November 19, 2019 Snow Event #17 - 2019 - 03

Reported Event Conditions	
Date:	11/19/2019
Event No:	#17 2019 03
Begin Time:	11/18/19 10PM
End Time:	11/19/19 4AM
Weather:	Rain/Snow
Precipitation:	3/4"
Temperature:	38/29
Wind:	0-5 MPH

Event Costs	
Salt	\$3,726
Sand	\$0
Brine	\$1,355
Equipment/Fuel	\$7,970
Personnel Reg.	\$3,126
Personnel OT	\$0
Total	\$15,716
Cost Mile	\$28
Season Total:	\$51,212

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%

Legend

— MnDOT Highway

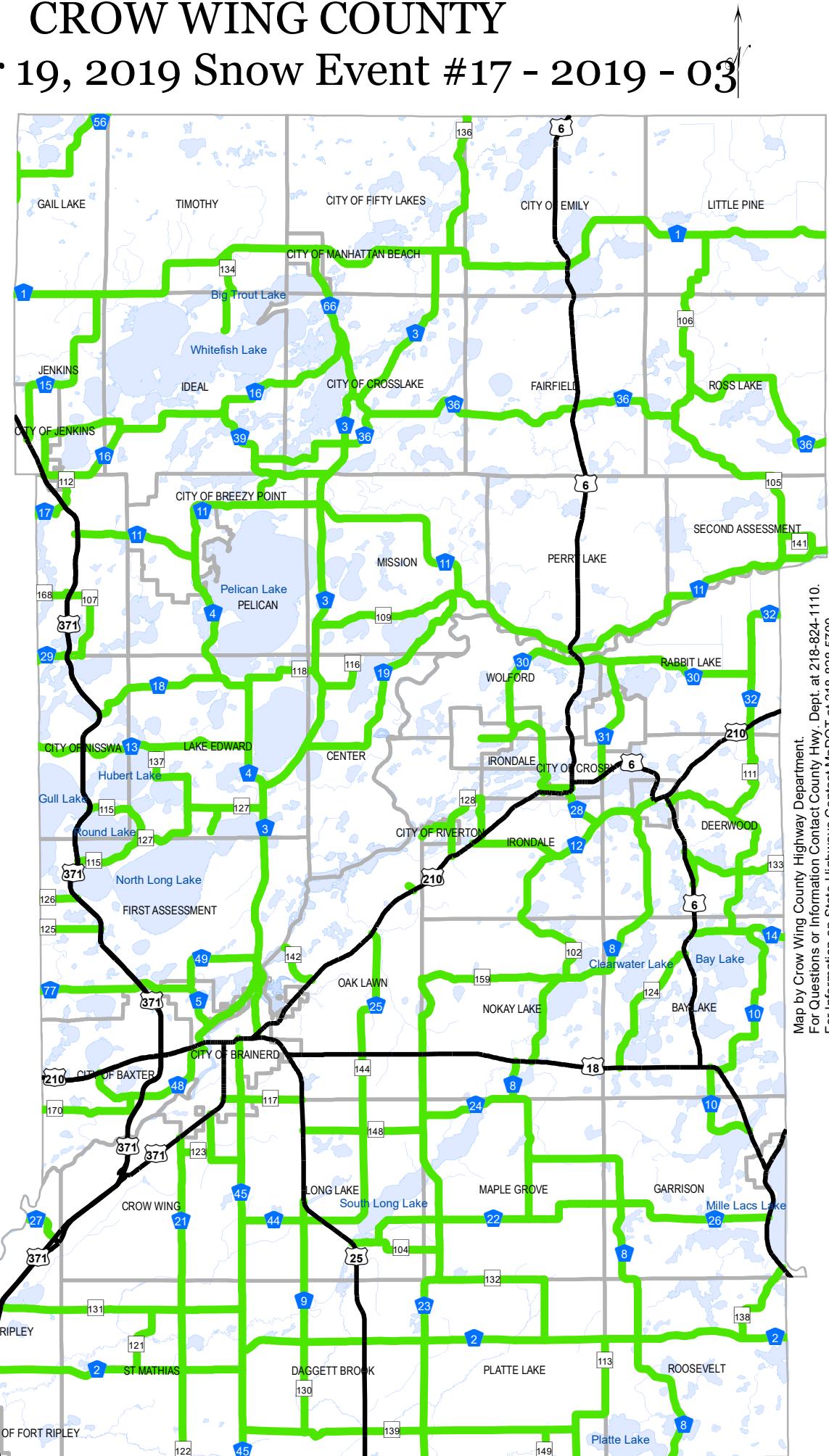
Route Priority

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

Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 11/21/2019



2019/2020 Summary For Snow Event #17 - 2019 03

Date 11-19-19

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
46	\$3,726	0	\$0	1355	\$894	\$4,620	\$7,970	\$3,126.00	\$0

Total \$15,716

6.2 Plow hrs.

\$2,535 per/hr.

105.5 Man hrs.

\$28 per/CL/mile

\$0.59 per/household for entire County

Forecast

Rain and snow flurries forecasted from 9 p.m. 11-18-19 to 5 a.m. on 11-19-19.

Pre Plan

Start plowing roads at 5 a.m. to allow snow to absorb later forecasted rainfall, reducing the chances of ice formation.

Actual Event

Event start: 10:30 P.M. 11/18/19

Event ended 4:00 A.M. 11/19/19

Comments

Started checking roads around 4:00 a.m. on 11-19-19. Observed wet roads and intermittent snow throughout the county. Plows went out at 5 a.m. to scrape slush and apply minimal salt to critical slippery intersections and curves.

Conditions

Rain and snow mix, accumulating to around 3/4" and making intermittent slippery areas.

Road	Road Temp	Date	Time	Air Temp
CR 12	36	11/19/19	5:00 AM	33
CR 33	36	11/19/19	5:30 AM	33

Date	High	Low
4/18/2019	18	0
4/19/2019	38	29
4/20/2019	37	25

Source: weather.com. Monthly Weather. 56401

Summary

Snow started around 10:30 p.m. 11-18-19 and changed over to rain around 4 a.m. 11-19-19.

Decisions Made

Have trucks begin checking and scraping roads at 5 a.m. and apply 200 lbs. to critical areas only to prevent ice build up.

Lessons Learned

Scraping and 200 lbs. of salt worked well.

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 Met	18 Hr.
Priority 2 Met	48 hr.