

CROW WING COUNTY

November 21, 2019 Snow Event #18 - 2019 - 04

Reported Event Conditions	
Date:	11/21/2019
Event No:	#18 2019 04
Begin Time:	11/20/19 4PM
End Time:	11/21/19 9AM
Weather:	Rain/Snow
Precipitation:	3/4"
Temperature:	32\15
Wind:	10-25 MPH

Event Costs	
Salt	\$3,653
Sand	\$0
Brine	\$935
Equipment/Fuel	\$6,200
Personnel Reg.	\$2,687
Personnel OT	\$0
Total	\$13,475
Cost Mile	\$24
Season Total:	\$64,687

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

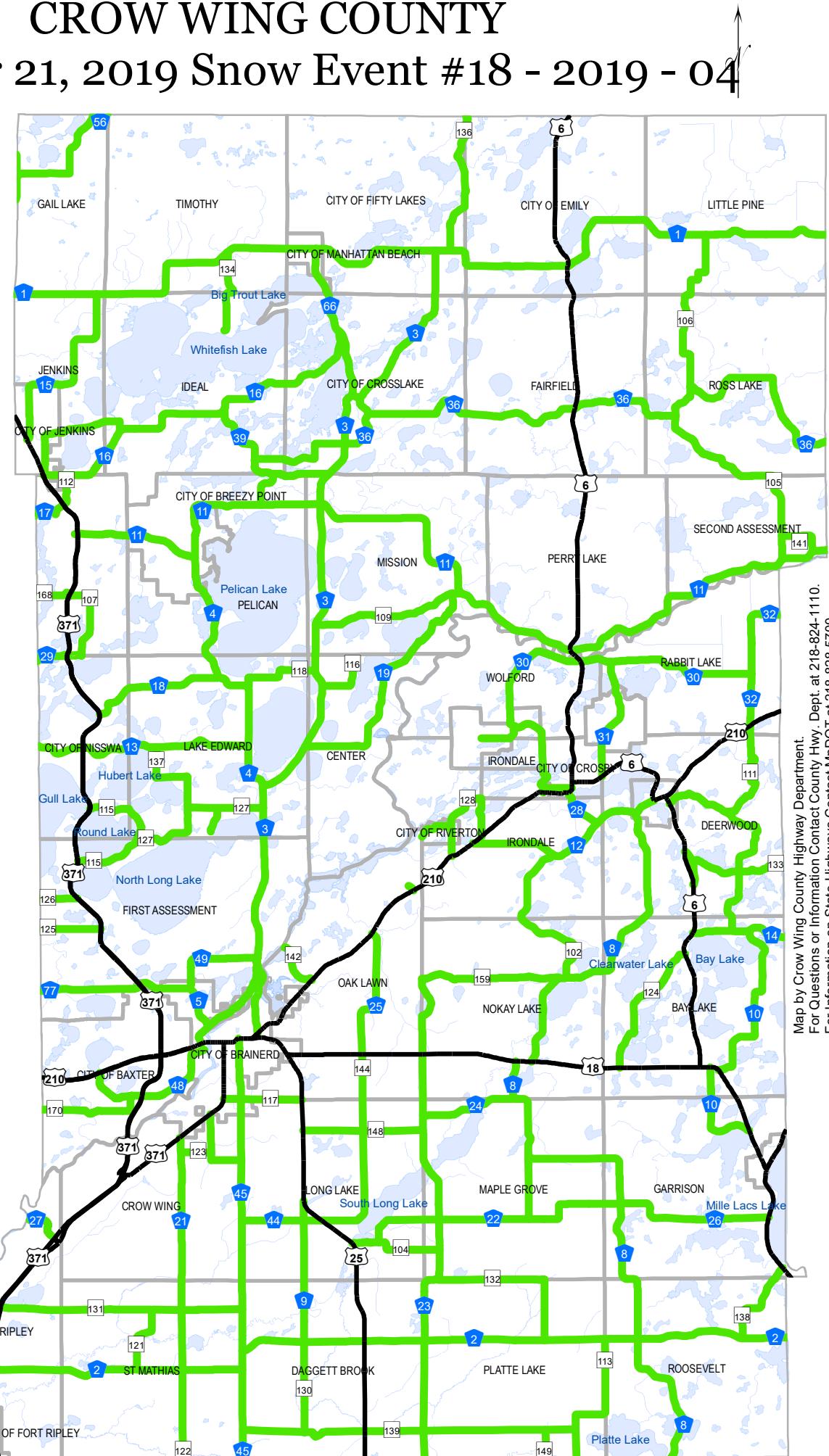
Route Priority

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

Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 11/25/2019



2019/2020 Summary For Snow Event #18 - 2019 04

Date 11-21-19

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT \$
45.1	\$3,653	0	\$0	1416	\$935	\$4,588	\$6,200	\$2,687.00	\$0

Total \$13,475

5 Plow hrs.

\$2,695 per/hr.

88 Man hrs.

\$24 per/CL/mile

\$0.51 per/household for entire County

Forecast

Rain and snow flurries forecasted from 4 p.m. 11-21-19 to 9 a.m. on 11-22-19.

Pre Plan

Start plowing roads at 5 a.m. and apply salt at minimal amounts, only where needed.

Actual Event

Event start: 4:00 P.M. 11/20/19

Event ended 9:00 A.M. 11/21/19

Comments

Started checking roads around 2:30 a.m. on 11-21-19. 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 1/2" and making intermittent slippery areas.

Road	Road Temp	Date	Time	Air Temp
CR 22	36	11/21/19	4:00 AM	28
CR 12	36	11/21/19	7:30 AM	27

Date	High	Low
11/20/2019	39	31
11/21/2019	32	15
11/22/2019	38	26

Source: weather.com. Monthly Weather. 56401

Summary

Rain started around 4:00 p.m. 11-20-19 and changed over to snow around 4 a.m. 11-21-19. .

Decisions Made

Have trucks begin checking and scraping roads at 5 a.m. and apply 150 lbs. to critical areas only to prevent ice build up.

Lessons Learned

Scraping and 150 lbs. of salt worked well where needed. The correct amount of the salt was used because the shoulders still had snow and ice present, which demonstrates the salt was not applied in a manner that allowed to reach the shoulders

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.