

CROW WING COUNTY

December 16, 2021 Snow Event #12 - 2021 - #5



Reported Event Conditions

Date:	12/16/2021
Event No:	#12-2021-#5
Begin Time:	12-15 12PM
End Time:	12-16 10AM
Weather:	Snow/Rain
Precipitation:	.75" R/1" S
Temperature:	44\1
Wind:	10-40 MPH

Event Costs

Salt	\$87,542
Sand	\$111
Brine	\$4,974
Equipment/Fuel	\$51,255
Personnel Reg.	\$11,240
Personnel OT	\$11,061
Total	\$166,183
Cost Mile	\$297
Season Total:	\$322,976

Priority By Route

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

Legend

MnDOT Highway

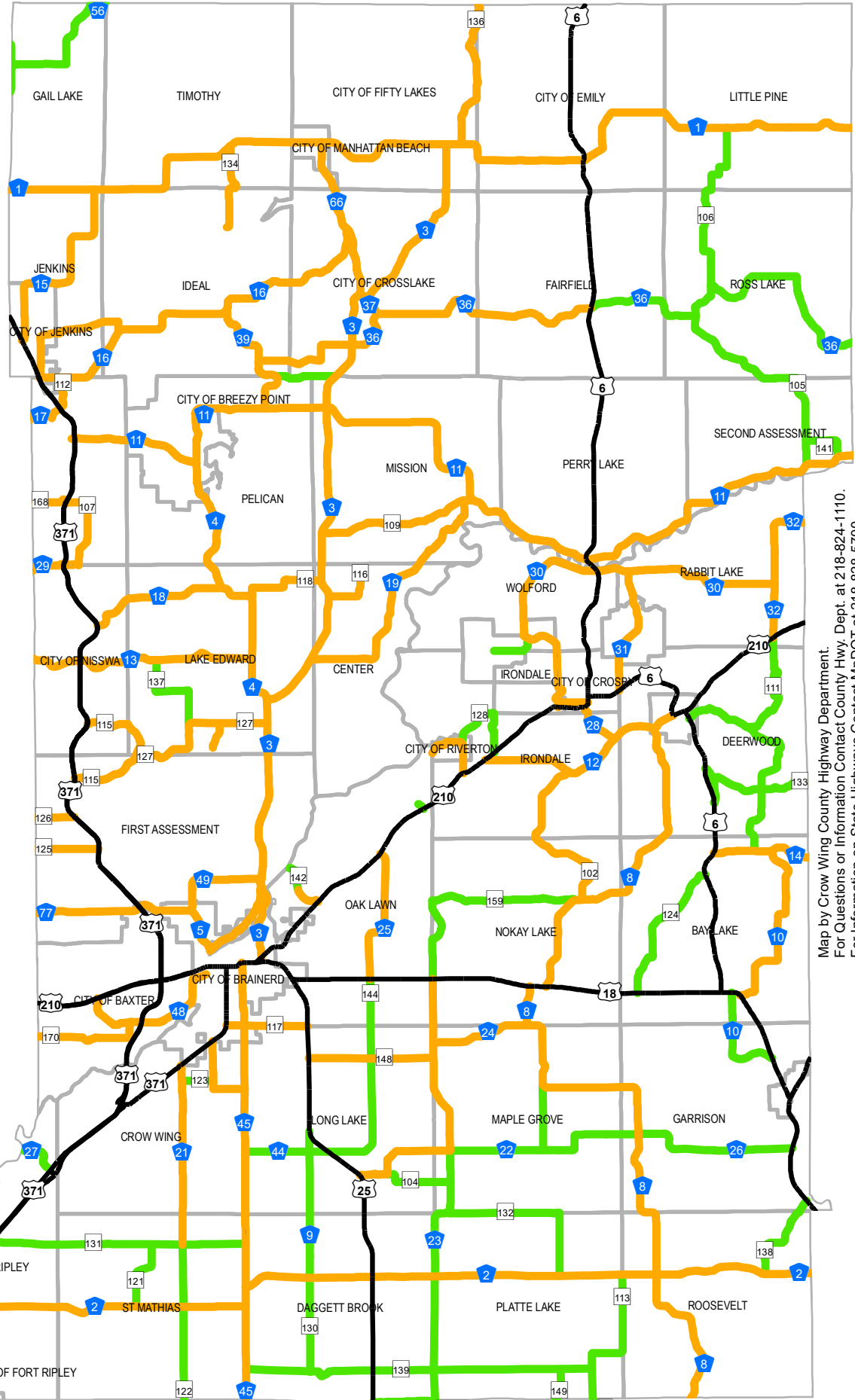
Route Priority

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

Route Target

- Target Achieved
- Target Partly Achieved
- Target Not Achieved

Report Date: 12/21/2021



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.

Decisions Made

Begin plowing at 4:00 am 12-16 and apply 400 lbs. of treated salt. Rescrape all roads and reapply salt. Rescrape and reapply salt on 12-17. Replow and apply 500 lbs. on C/L 12-18. Replow and apply 500 - 600 lbs. on C/L 12-19. Replow areas and shoulders with ice and snow compaction 12-20.

Lessons Learned

Rain in December is not good! Using higher salt rates the second time plowing on 12-16 may have helped melt more ice but probably would not have eliminated black ice issues after observing MNDOT roads that also were experiencing black ice. Cold temps hindered the salt from working effectively. Temps on 12-19 in the upper teens and low 20's allowed the salt to work better and loosen a lot of the ice and snow up.

Goals Met/Not Met

	Plowing	Goals
Priority 1	Met	6 hr.
Priority 2	Met	8 hr.
Priority 3	Met	10 hr.

	Bare wheel paths	Goals
Priority 1	Not Met	18 Hr. All until 12-19
Priority 2	Not Met	48 hr. All until 12-20