CROW WING COUNTY April 3, 2018 Snow Event #20 2018-10



Reported Event Conditions			
Date:	4/3/2018		
Event No:	#20 2018-10		
Begin Time:	4/2/18 2PM		
End Time:	4/3/18 4PM		
Weather:	Snow		
Precipitation:	1" Snow		
Temperature:	31-0		
Wind:	5-20 MPH		

Event Costs	
Salt	\$7,442
Sand	\$0
Brine	\$2,219
Equipment/Fuel	\$9,698
Personnel Reg.	\$3,013
Personnel OT	\$1,731
Total	\$24,103
Cost Mile	\$43
Season Total:	1 M

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%
Logond	

Legend

MnDOT Highway

Route Priority

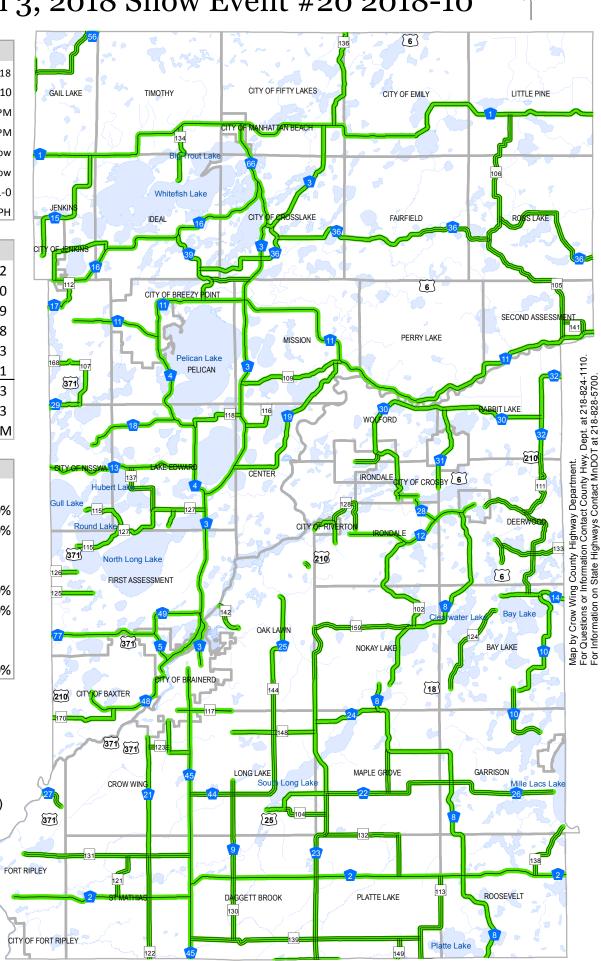
Priority By Route

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

Route Target

Target Achieved
Target Partly Achieved
Target Not Achieved

Report Date: 4/4/2018



2017/2018 Summary For Snow #20 2018-10

Date 4-3-18

Salt Tons	Salt \$	Sand Tons	Sand \$	Brine gal	Brine \$	Mat. Total	Equip \$	Reg. Personnel	OT\$
122	\$7,442	0	\$0	3362	\$2,219	\$9,661	\$9,698	\$3,013.00	\$1,731

Total

Total \$24,103

9 hrs =

\$2,678 per/hr \$43 per/CL/Mile 0 man hours

\$24,103

Forecast

3"-5" of snow starting on 4-2-18 at 12 p.m. and continuing to fall until 2 p.m. 4-3-18.

Pre Plan

Stay late on 4-2-18 if snow starts to accumulate.

Start at 3:00 A.M. 4-3-18 and apply 300 lbs on centerline to aid the melting.

We did prewet most priority one intersections on 4-2-18.

Comments

Road temps held warmer than forecasted and the snow continued to melt as it fell. Trucks did not stay late. About an inch of snow fell and stuck on the roads overnight. There was a layer of ice underneath the snow. Snow started to fall at 2 p.m. 4-2-18.

Snow ended around 4 p.m. 4-3-18.

Plows went out at 3:00 A.M. 4-3-18 and applied 300 lbs on centerline.

Pavement temps were at 56 degrees when the snow started. The plan was to watch the afternoon snow and go out if needed. We decided to start at 3 a.m. on 4-3 and apply 300 pounds of straight salt on Centerline to hopefully get the roads to melt any additional snowfall.

Conditions

Light snow with little wind

Road	RDTemp	Date/Time		Air Temp
Hwy 25	56	4\2\18	3:00 P.M.	26
Hwy 6	57	4\2\18	3:00 P.M.	26
Hwy 25	28	4\3\18	3:00 A.M.	19
Hwy 6	28	4\3\18	3:00 A.M.	19
Hwy 25	30	4\3\18	11:00 A.M.	24
Hwy 6	30	4\3\18	11:00 A.M.	24

Date	High	Low
4/1/2018	28	3
4/2/2018	31	0
4/3/2018	27	15
4/4/2018	32	7

Summery

Roads cleaned up well with just salt application. Spotty refreeze from 7 am - 9 am 4-3-18.

Only a few roads throughout the County needed to be plowed.

A layer of ice on all roads.

Wind caused some minor drifting issues overnight on 4-3-18.

Decisions Made

Have the trucks start at 3:00 A.M. on 4-3-18 and apply 300 lbs of salt.

Lessons Learned

Have the trucks start at 3:00 A.M. on 4-3-18 and apply 300 lbs of salt was the right call.

We had a few isolated spots of refreezing but that melted away after 10:00 am. This proves we used the right amount of salt and did not over apply.

Goals Met/Not Met

Plowing
Priority 1 Met
Priority 2 Met
Priority 3 Met

Bare wheel paths
Priority 1 Met
Priority 2 Met