

WINTER CONTROL OVERVIEW

Presented by:

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Winter Control Operations

- Winter Control start October 29th, 2016
- Staff Assigned to Winter Control:
 - 106 City Staff
 - 30+/- Casual (Part Time)
 - Contract Crews
- Shifts:
 - Monday to Friday – Winter control staff are scheduled to work shift work
 - Weekend coverage using City staff, casuals, and Contractors is on demand

Snow Plowing - *Roadways*

Service Levels for Class 1 to 3:

- 17 Routes (plus 4 echelon beats)
- Commence plowing at 5 cm and continue until event concludes
- Roadway plowing completed within 3 to 8 hours after event concludes
- Freezing rain events (once detected): immediate sand/salt application



How do we compare to other Northern Municipalities

Class 1 to 3 - Roadways

Plowing and Abrasives Application Comparison of Large Northern Ontario Municipalities

Road Authority	Snow Accumulation Trigger	Response for a Single Pass	Abrasives Applied	Other Notes
Sudbury	5 cm	3 - 8 Hrs.	Salt or Sand	17 beats
Timmins	8 - 10 cm	8 - 12 Hrs.	Sand	13 Total Beats
North Bay	MMS	8 - 12 Hrs.	Salt or Sand	13 Total Beats
Sault Ste. Marie	5 cm	Up to 12 Hrs.	Salt or Sand	17 Total Beats
Thunder Bay	5 cm	Up to 12 Hrs.	Salt or Sand	34 Total Beats
MMS	2.5 - 8 cm	4 - 12 Hrs.	-	-

Note: Information from 2013 poll.

Snow Plowing - *Roadways*



Service Levels for Class 4 to 6:

- 28 Routes
- Commence plowing at 8 cm and continue until event concludes
- Roadway plowing completed within 24 hours after event concludes
- Freezing rain events (once detected): immediate sand application

How do we compare to other Northern Municipalities

Class 4 to 6 - Roadways

Plowing Comparison of Large Northern Ontario Municipalities

Road Authority	Road/Sidewalk	Snow Accumulation Trigger	Response for a Single Pass
Sudbury	Class 4 - 6 Roads	8 cm	8 - 24 Hrs.
Timmins	Class 4 - 6 Roads	8 - 10 cm	8 - 12 Hrs.
North Bay	Class 4 - 6 Roads	MMS	8 - 12 Hrs.
Thunder Bay	Class 4 - 6 Roads	10 cm	Up to 72 Hrs.
MMS	Class 4 - 5 Roads	8 - 10 cm	16 - 24 Hrs.

Note: Information from 2013 poll.

Snow Plowing – *Municipal Parking Lots, Lanes and Cul-de-sacs*



10 Routes

- 191 Lanes
- 401 Cul-de-sacs and bulb-outs
- 32 Municipal Parking Lots

Snow Plowing – *Sidewalks*

Service Levels:

- 20 Routes
- Commence at 8 cm or once icy conditions detected and continue until event concludes
- Snow clearing within 12 to 24 hours after event concludes
- City downtown business core plowed 5 days a week (Midnight to 8:00 a.m.)



How do we compare to other Northern Municipalities

Sidewalks

Plowing and Abrasives Application Comparison of Large Northern Ontario Municipalities					
Road Authority	Sidewalk	Snow Accumulation Trigger	Response for a Single Pass	Abrasives Applied	Other Notes
Sudbury	Sidewalks	8 cm	12 to 24 Hrs.	Sand	20 Beats
Timmins	Sidewalks	8 - 10 cm	8 - 16 Hrs.	Sand	6 Beats
North Bay	Sidewalks	8 cm	Up to 12 Hrs.	Sand	5 beats
Sault Ste. Marie	Sidewalks	5 cm	Up to 12 Hrs.	Sand	9 Beats
Thunder Bay	High Priority Sidewalks	5 cm	14 - 36 Hrs.	Salt or Sand	15 Total Beats
	Low Priority Sidewalks	5 cm	Up to 72 Hrs.		
MMS	-	-	-	-	-

Note: Information from 2013 poll.

Snow Removal



- Downtown Business Districts
- Intersection sight lines as required
- Lane width and traffic capacity as required
- Selected Bus Stops cleared the first night following end of storm with 8 cm accumulation.



Questions?