



# INFORMATION UPDATE

<b>TO:</b>	Mayor and Members City Council
<b>DATE:</b>	November 15, 2018
<b>SUBJECT/REPORT NO:</b>	2018-2019 Winter Control Program (RT1812) (City Wide)
<b>WARD(S) AFFECTED:</b>	City Wide
<b>SUBMITTED BY:</b>	Edward Soldo, P.Eng. Director, Roads & Traffic Public Works Department
<b>SIGNATURE:</b>	

With the winter weather arriving in Ontario, the City of Hamilton's 2018-2019 Winter Control Program is officially underway. The program is tentatively scheduled to run until April 15, 2019, weather permitting.

Key program activities include:

- Winter road patrol and condition monitoring
- Roadway anti-icing and de-icing
- Snow plowing
- Snow removal and disposal
- Sidewalk and bus stop clearing
- Snow storage site management

Each of the four districts in the Roads & Maintenance section operates 24 hours per day, seven days a week, including statutory holidays. There are seven yards for City staff and equipment, and two yards for our contractors. The City employs approximately 300 full-time and seasonal staff for the winter season.

The City has 110 in-house and 46 contracted plow trucks that handle the majority of the plowing and material application operations in Hamilton. In addition, approximately 300 other pieces of contracted equipment are available on call during a significant weather event.

---

*OUR Vision: To be the best place to raise a child and age successfully.*

*OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.*

*OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.*

On average the City uses the following amount of material per winter season:

- 65,000 tonnes of salt
- 15,500 tonnes of 3:1 pickle mix (a mixture of sand and salt)
- 325,000 litres of pre-wet solution
- 250,000 litres of salt brine for anti-icing

### **Level of Service During a Winter Storm**

Winter roads crews follow the Council-approved Level of Service (LOS) standards during a winter storm. As per the LOS, every road in Hamilton is plowed based on its priority under the road classification system.

Generally, first priority is given to main routes and escarpment crossings. The second priority is collector roads, and the third is neighbourhood streets. Residents can see what priority a road is by visiting this page on the City website:

<https://www.hamilton.ca/streets-transportation/streets-sidewalks/priority-road-clearing>

As per the Council-approved LOS, there are seven levels used to prioritize when a street is cleared during a storm:

1. Priority 1 streets
2. Priority 2A and 2B streets
3. Priority 3 streets
4. Sidewalks, Bus stops and School frontages
5. Intersection cleanup for crosswalks and sightlines
6. Respond to public inquiries on incidents were City plows have plowed snow back onto cleared sidewalks
7. Court cleanup – Snow removal & disposal of stock plied snow

The full version of the Council-approved LOS is available below.

### **Area Winter Maintenance Contract**

The City has contracted Integrated Maintenance & Operations Service Inc. (IMOS) to perform anti-icing operations, spread salt/sand and plow snow on the City's higher traffic volume Priority 1 roads, such as the Lincoln M. Alexander Parkway, the Red Hill Valley Parkway, Centennial Parkway, Mud Street, Highway 5 and Highway 52.

---

*OUR Vision: To be the best place to raise a child and age successfully.*

*OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.*

*OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.*

### **New in 2018/2019: Plow Tracker**

The City has just launched a new feature on our website that will allow residents to track winter maintenance vehicles during a storm. The map feature tracks where vehicles have been during the last two, four, 12 and 24 hours.

Plow Tracker is available by visiting this page on the City website:

<https://www.hamilton.ca/streets-transportation/streets-sidewalks/hamilton-plow-tracker>

### **Communications During a Storm**

Roads & Maintenance Staff work closely with Corporate Communications during significant winter storms to ensure the Mayor and members of Council, the media, and the public are updated. Email updates are sent to the Mayor and members of Council throughout storms where there are more than 20 cm of snow or significant ice accumulation. During significant storms, Corporate Communications will update the public regarding the City's snow response via the media, the City website, social media and other channels.

The City has a winter action plan and our resources are in place to deal with the upcoming winter season.

If you require further information please contact Bob Paul, Manager of Roads and Maintenance at extension 7641.

**WINTER CONTROL LEVEL OF SERVICE STANDARDS**

ROAD CLASSIFICATION		WINTER PRIORITY ROUTING	RESPONSE TIME FROM COMMENCEMENT OF THE EVENT	TRIGGER SNOW ACCUMULATION In cm	COMPLETION TIME FROM THE END OF THE EVENT	TARGETED SURFACE CONDITION	TREATMENTS			Comments	
TYPE							Anti-icing	De-icing	Salt		Pickle
Lin/Red Hill/ Arterials		1	immediate	2.5 cm	4 Hours	Bare Pavement	X	X	X	X	
Escarpment Crossings		1	immediate	5 cm	4 Hours	Bare Pavement	X	X	X	X	
Primary Collectors		2A	4 Hours	8 cm	8 Hours	Bare Pavement		X	X	X	
Secondary Collectors		2B	4 Hours	8cm	8 Hours	Centre Bare		X	X	X	
Residential		3R	8 Hours	8cm	24 Hours	Bare Pavement		X	X	X	
Hard Surface Rural Roads		3	8 Hours	10cm	24 Hours	Centre Bare				X	Hills, curves and Intersections
Loosestop Rural Roads		3	8 Hours	10cm	24 Hours	Snow Packed				X	Hills, curves and Intersections

*OUR Vision: To be the best place to raise a child and age successfully.*

*OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.*

*OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.*