

# IE8.6 - Attachment 4

## Attachment 4 - Summary of Winter Maintenance Programs by Jurisdiction

### Target Road Surface Condition

All of the selected cities assessed surface condition based on the roadway classification. In general, roadways are defined either as Priority or Secondary, or by various classes.

As mentioned, each municipality specifies a target road condition based on the roadway classification. Road conditions are generally defined as bare pavement, center bare pavement, snow packed, or 'safe and passable'. The target road surface conditions for each peer city are summarized here.

Municipality	Road Classification	Target Surface Condition
Brampton	Major roads, arterial, and collector roads	Bare pavement
	Residential/Secondary roads	Safe and passable
Hamilton	Major arterial roads & escarpment accesses	Bare pavement
	Primary collector roads	Bare pavement
	Secondary collector roads & steep residential hills	Centre bare pavement
	Rural roads	Centre bare to snow packed pavement
	Residential roads	Bare pavement
Mississauga	Major roads, arterial, and collector roads	Bare pavement
	Residential/secondary roads	Safe and passable
	Priority sidewalks Bus stops Pedestrian crossings	
York Region	Ontario Minimum Maintenance Standards (MMS). Within the region, different municipalities have separate policies	
London	Priority Roads	The combination of salt and high traffic volumes will result in bare pavement conditions
	Secondary Roads	Safe and passable
Toronto	Expressways	Bare pavement
	Arterial roads and streetcar routes	Bare pavement
	Collector roads, bus routes and local streets with hills	Centre bare pavement
	All other local streets	Safe and passable

## Snow Clearing Trigger Condition

The 'trigger' condition, or snow accumulation threshold for the start of winter maintenance services, varies across the cities assessed and their respective road classifications. The trigger conditions for snow plowing in each peer city are summarized here.

Municipality	Road Classification	Trigger Condition
Brampton	Major roads, arterial, and collector roads	Salted when snowfall begins
	Residential/Secondary roads	Snowfall <7.5cm: salted only Snowfall >7.5cm: plowed and salted
Hamilton	Major arterial roads & escarpment accesses	2.5-5cm
	Primary collector roads	Snowfall >8cm
	Secondary collector roads & steep residential hills	Snowfall >8cm
	Rural roads	Snowfall >10cm
	Residential roads	Snowfall >8cm
Mississauga	Major roads, arterial, and collector roads	Snowfall <8cm: salted only Snowfall >8cm: plowed and salted
	Residential/secondary roads Priority sidewalks Bus stops Pedestrian crossings	Snowfall <8cm: salted only Snowfall >8cm: plowed and salted
York Region	Summarized by the Ontario Minimum Maintenance Standards	
London	Priority Roads	Summarized by the Ontario Minimum Maintenance Standards
	Secondary Roads	
Toronto	Expressways	2-5cm
	Arterial roads and streetcar routes	5cm
	Collector roads, bus routes and local streets with hills	5-8cm
	All other local streets	8cm

## Target Road Clearing Completion Time

This table shows that the City's Level of Service regarding target road clearing completion times exceeds other GTHA cities. When assessing completion times across all road classifications, the City has shorter target completion time.

Municipality	Road Classification	Target Completion Time
Brampton	Major roads, arterial, and collector roads	-
	Residential/Secondary roads	<24hrs
Hamilton	Major arterial roads & escarpment accesses	<4hrs
	Primary collector roads	<8hrs
	Secondary collector roads & steep residential hills	<8hrs
	Rural roads	<24hrs
	Residential roads	<24hrs
Mississauga	Major roads, arterial, and collector roads	Snowfall between 8cm - 15cm: < 12 hours Snowfall >15cm: < 24 hours
	Residential/secondary roads Priority sidewalks Bus stops Pedestrian crossings	Snowfall between 8cm - 15cm: < 24 hours Snowfall >15cm: < 36 hours
York Region	Summarized by the Ontario Minimum Maintenance Standards	
London	Priority Roads	Summarized by the Ontario Minimum Maintenance Standards
	Secondary Roads	
Toronto	Expressways	2-3hrs
	Arterial roads and streetcar routes	6-8hrs
	Collector roads, bus routes and local streets with hills	14-16hrs
	All other local streets	14-16hrs