

Peel Level of Service Maintenance Activities that have a Provincial Minimum Maintenance Standard

	Roadway Winter Maintenance				Designated Bicycle Lane Winter Maintenance				Weather monitoring		Roadway Maintenance														
	Winter Snow Accumulation				Snow & Ice Accumulation				October 1 to April 30	May 1 to Sept 30	Potholes						Shoulder Drop Off		Debris/ Litter Pickup	Roadway Surface Cracks			Surface Discontinuities		
	Spreading and Plowing				Anti-icing, Spreading and Plowing				Current and forecast		Paved Surface			Paved & non paved shoulder			Depth (in cm) for a distance of 20m	Time (in days)	Time (in hours)	Width (in cm)	Depth (in cm)	Time (in days)	Height (in cm)	Time (in days)	Bridge deck
	Accumulation (cm) greater than or equal to	Time (in hours)	Icy formation prevention (in hours)	Treatment of Ice (in hours)	Accumulation (cm) greater than or equal to	Time (in hours)	Icy formation prevention (in hours)	Treatment of Ice (in hours)	Time (in hours)		Surface area (in cm2)	Depth (in cm)	Time (in days)	Surface area (in cm2)	Depth (in cm)	Time (in days)									
Minimum Maintenance Standard (MMS)	2.5	4	6	3	2.5	8	6	3	3 times - once per shift or once per calendar day; 24 hours preceding an alleged formation of ice or accumulation of snow	Once per calendar day	600	8	4	1500	8	7	8	4	Deploy resource s,as soon as practicab leafter becomin g aware	5	5	30	5	2	If exceeds 5cm -deploy resources as soon as practicable after becoming aware of the fact to repair
Responsive (Reactive) Maintenance	Maintain as bare as possible throughout winter precipitation event (Enhancement to MMS)**	4	6	3	2.5	8	6	3	4 times per calendar day; 24 hours preceding an alleged formation of ice or accumulation of snow	Twice per calendar day	600	8	4	1500	8	7	8	4	Deploy resource s,as soon as practicab leafter becomin g aware	5	5	30	5	2	If exceeds 5cm -deploy resources as soon as practicable after becoming aware of the fact to repair
Scheduled Routine Maintenance	Anti-icing ahead of frost events and weather events, not applied if salt application applied in previous 48 hours or temperatures below - 10C																Resurfacing and adding granular is completed annually in construction season - 2 continuous grading cycles peryear	Once in Spring and ahead of grass cutting activity				Permanent repairs completed in construction season			

N/S = No Standard

Enhance Peel Level of Service

** Bare pavement means in winter conditions, the pavement surface is maintained as bare as possible throughout winter precipitation event and returning pavement to bare condition within 4 hours once the precipitation has stopped. Peel aims to proactively achieve a bare pavement by utilizing anti-icing technique, monitoring weather conditions and use the snow fencing in areas of drifting snow.

1.

	Structure Maintenance					Patrol		Roadside Maintenance			
	Bridge Deck					Roadway Patrol		Sign Maintenance		Luminaries	
	Surface area (in cm2) - Spalls	Depth (in cm) Spalls	Time (in Days) For repair of spalls	Inspection	Time (in Days) For Graffiti	Winter	Summer	Regulatory signs (on list below***)	All other Regulatory and warning signs (Days)	Time (in Days)	
Minimum Maintenance Standard (MMS)	600	8	4	N/S	N/S	Same as summer unless there is a probability of snow accumulation on roadways, ice formation on roadways or icy roadways then it is performed at intervals deemed necessary by the municipality to check for such conditions.	3 times every 7 days	As soon as practicable	7	Once per calendar year, with each inspectiontaking place not more than 16 months from the previous inspection. 3 or more consecutive on same side of highway and or 30% of high-mast in any KM ofhighway are to be repaired within 7 days	
Responsive (Reactive) Maintenance	600	8	4		Graffiti removal within 30 days after becoming aware; unless of sensitive nature which will be dealt with as soon as practicable	October 1st to November 1st	Respond to weather	Response within 1 hourof becomingaware	7	Contact Traffic Engineering as soon as practicable after becoming aware	
Scheduled Routine Maintenance	Wash bridge deck annually in Spring			Visual inspection annually in Spring; Engineering inspection every 2 years		Once per 24 hours/ 7 days a week (Enhancement to MMS) November to April 15	4 times every 7 days (Enhancement to MMS)	Straighten signs onceper year	Straighten signsonce per year		

***Level One Regulatory Signs as per MMS

1. Checkersboard

2. Curve sign wit

3. Do not enter

4. Load Restrict

5. Low Bridge

6. Low Bridge Ah

7. One Way

8. School Zone S

9. Stop
10. Stop Ahead

11. Stop Ahead, New

12. Traffic Signal Ahead, New

13. Two-Way Traffic Ahead

14. Wrong Way

15. Yield

16. Yield Ahead

17. Yield Ahead, New

	Winter Maintenance			Storm Maintenance			Roadside Maintenance					
	Snow Removal	Snow Clearing	Spring Clean Up	Catch Basin		Storm Sewer	Urban Mowing	Rural Mowing	Debris/ Litter Pick up	Tree Removal	Brush Cutting	Weed Control
	Time (in hours)	Time (in hours)	Time (in Days)	Inspection and cleaning Time (in Days)	Maintenance Time (in Days)	Maintenance Time (in Days)	Time (in cuts)	Time (in cuts)	Time (in hours)	Time (in days)	Time (in days)	Time (in days)
MMS	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
Responsive (Reactive) Maintenance	Priority Areas: •Sight line – removed as soon as practicable post event; •Pedestrian Safety- (High pedestrian traffic passage) removed as soon as practicable post event; ; •Structures - if storage is limited, ahead of the next storm or as soon as practicable post event; •Underpass - if storage is limited, ahead of the next storm or as soon as practicable post event; •Roadside windrows - where roadside storage is limited, ahead of the next storm or as soon as practicable post event.	After snow plowing operations are complete, situations that pose hazard or risk to the travelled portion of the roadway are cleared as soon as practicable after becoming aware.		Flooding or 5cm+ standing water respond immediately; Hazard marked and temporary repairs completed within 24 hours after becoming aware and repaired within 90 days.	Hazard marked and temporary repairs completed within 24 hours after becoming aware and repaired within 90 days.	Flooding or 5cm+ standing water respond immediately after becoming aware;	Within 7 days of request, (Outside of scheduled cuttings)	Within 7 days of request (Outside of scheduled cuttings)	Deploy resources, as soon as practicable after becoming aware	Hazards responded to immediately after becoming aware. Full clean up achieved within 7 days	Hazards responded to immediately after becoming aware. Full clean up achieved within 7 days	Based on findings and responded to only by Certified Staff Weed Control Inspector.
Scheduled Routine Maintenance		Install plough markers annually in Fall	Annually at the end of winter maintenance; 1 cycle per season Material swept to the road surface for pick up shall remain on no greater than 48 hours, and shall not constitute a hazard to the road users.	1/3 of the system cleaned once per year in Fall. Failed asset, permanent repaired within 90 days after becoming aware	Scheduled based on priority ranking, during construction season.	Silt and debris removed when accumulations cause back ups under normal conditions.	12 cuts per season starting in May.	Twice per year - Summer months 1st cut mid-July, 2nd cut by end of September	Once in Spring and prior to each Urban mowing cut	Non-hazardous trees removed as scheduled.	Non-hazardous within 90 days of becoming aware.	

	Roadside Maintenance								Roadway Maintenance			
	Maintenance Strips	Routine Shoulder	Shoulder Washouts	Sound Barrier	New Sign Install	Mailbox Repair	Safety Barrier		Maintenance Hole Repair	Curb and Gutter Repair	Summer Sweeping	Pavement Retrace
	Time (in days)	Time (in hours)	Time (in days)	Time (in Days)	Time (in days)	Time (in Days)	Inspection Time (in days)	Maintenance Time (in days)	Time (in days)	Time (in hours)	Time (in hours)	Time (in hours)
MMS	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
Responsive (Reactive) Maintenance	Temporary stabilization within 24 hours after becoming aware.		Hazards temporarily stabilized in 24 hours after becoming aware; permanent repairs in 60 days. Non hazardous completed within 90 days after becoming aware	Stabilized in 24 hours after becoming aware; Graffiti removal within 30 days after becoming aware; unless of sensitive nature which will be dealt with as soon as practicable.	In conjunction with new By-law and official request	Temporary mailbox installed within 48 hours after becoming aware.	Inspected 24 hours after becoming aware of damage due to collision and Hazard marked.	Hazards responded to 24 hrs after becoming aware and marked and temporarily fixed Associated repairs scheduled in accordance with the routine scheduled maintenance work	Hazards responded to immediately, marked and temporarily fixed within 24hrs after becoming aware.	Hazards responded to, marked and temporarily fixed within 24hrs after becoming aware. Permanent repairs to be scheduled in the construction season	Emergency Street sweeping, as required, 24 hour, 7 day per week basis with a one hour response time throughout the year, weather permitting.	Within 48 hours after becoming aware.
Scheduled Routine Maintenance	Permanent repairs completed in summer months.	Regrading - 2 cycles per year - Spring and Fall.		Within 90 days after becoming aware. Detailed Condition Assessment every 2 years (spring)		Permanent repair of post and standard mailbox within 30 days after April 1st	Inspected annually in Spring.	Permanent repairs within 90 days, during construction season, after becoming aware.	Non-hazardous within 90 days of becoming aware.	Inspected annually and scheduled based on priority ranking; >50 mm settlement is replaced; damage 70%-100% and 3metres long shall be scheduled for repair	South District - 2 Passes during summer months; North District -2 passes in Hamlets and rural intersections during summer months	Retraced once annually