

Council Policy No.:	<del>C-125-EPW-011</del> <u>CP2021-xxx</u>
Council Policy Name:	<del>Sidewalk</del> Level of Service Policy - <u>Sidewalk</u> Winter Maintenance
Date Approved by Council:	November 29, 2005
Date revision approved by Council:	November, 2013 December, 2015 November 16, 2021
Related SOP, Management Directive, Council Policy, Forms	<u>CP2021-xxx Level of Service Policy – Road Winter Maintenance</u>

## Policy Statement and Rationale:

-It is the objective of the City of Kawartha Lakes, Public Works Department to apply its operational activities in an efficient and effective way, ~~so as~~ to provide safe walking conditions consistent with a small town or village setting during those times of the year when winter conditions can be expected. ~~The goal will be to achieve the levels of service as defined herein 75% or more of the time. The purpose will be to achieve the Levels of Service as defined herein, and in no case shall the Levels of Service provided be allowed to fall below the Minimum Maintenance Standards provided for in the Municipal Act SO 2001 c. 25 as identified in and the Minimum Maintenance Standards O. Reg. 239/02 as amended by O. Reg.47/13 made thereunder.~~

## Scope:

This policy shall apply to all sidewalks within road allowances assumed and maintained by the City of Kawartha Lakes. Notwithstanding the foregoing, neither the Corporation of the City of Kawartha Lakes nor its officials or employees make any promise, assurance or guarantee that the services provided by the Public Works Department will be in excess of the minimum as detailed herein.

Inherent within the standard is the expectation that users will act responsibly and will act, at all times, reasonably with due regard for the prevailing weather and sidewalk conditions.

## Definitions:

**Ambient Conditions** are conditions that are commonly found in a stabilized environment. Normally in ambient conditions there are no negative effects actively reducing the existing conditions. i.e. Storm, excess traffic or construction effects are not in evidence. (See **Storm** conditions.)

**Aspects** the context of these standards refers to specific elements of sidewalk service, which are defined by these standards.

**“As Soon As Practicable”** shall mean without undue delay.

~~Bare conditions refer to winter sidewalk conditions where all traveled portions are effectively clear of snow build-up or general ice conditions that might impair safe pedestrian sidewalk travel under ambient conditions.~~

**Central Business District “CBD”** means the central business district of an urban area ~~(unless covered by By-Law)~~. It is the location where ~~the majority of~~ much of the commercial activity of the urban area is undertaken or as defined by the boundaries of a Business Improvement Area (BIA).

**Conditions** define the state in which the subject matter is found. The policy indicates the condition being measured.

~~Cycle is that time interval between inspections conducted for a specific purpose. Consideration can still be made for inspection cycle time adjustments at the discretion of the Supervisor for mitigating circumstances, which are of an uncommon, or unpredictable, nature.~~

**Day** is a calendar day. (See also working day.)

**Effect** is the acting of an external influence on the condition of any aspect of the sidewalk.

**Improved** condition refers to the condition being better than it was before, from the perspective of a typical user, all other effects being equal.

**Inspection** is the activity performed by a qualified person, authorized and directed by the Director of Public Works or designate(s) to investigate and report on the relevant conditions of the sidewalks.

~~Localized conditions, for the purpose of these standards, that occur on short lengths of sidewalk specifically on bridges, intersections, curves and hills.~~

~~Notice of an effect or condition is considered given when received by an appropriate employee of the road authority.~~

**Policy(ies)** decisions of a formal nature made by the road authority and/or municipal council to enable, qualify and govern the activitiesmission of the road authority as requireddirected by law.

**Operations** means those activities the Public Works Department performs to improve a condition or maintainsustain the sidewalk standard. ~~Operations are normally defined by guidelines (not policy), with discretion of the Supervisor to choose various methods to achieve results cost-effectively.~~

**Response** describes the eatreasonable action taken by the roadway authority when informed or reasonably aware of an effect or condition. Monitoring an effect or condition may constitute a response. A reasonable response ~~takes into account~~considers the relevant standards.

~~Roadside refers to all features that make up the roadway within the jurisdiction of the roadway authority, except for the road surface itself.~~

**Roadway Authority** indicates the public agency accountable for the status and condition of the roadway. This refers to the Corporation of the City of Kawartha Lakes and its designated officials or agents.

**Section** refers to a portion of a sidewalk. A sidewalk section is commonly used for construction costing, inventory control in Maintenance Management Systems, Road Needs Studies, Pavement Management Studies, and Priority Planning and Budgeting.

**Service** can be defined in two contexts. In the larger context any municipal activity is a service. A roadway network is a service, as is a library, potable water supply, etc. When used in the context of these standards, “service” refers more specifically to aspects of a pedestrian walkway and their condition. Services are seen from the perspective of the user.

~~Service Levels a range of values that quantify a particular service standard, by one or more parameters. Service levels typically reflect a maximum or minimum condition.~~

**Shoulder** that maintained surface immediately adjacent to the traveled surface of the road. The shoulder may be partially or fully hardtop, loosetop, grassed, or earth. It is not considered a part of the road for these standards.

**Sidewalk** a hard surfaced, typically concrete or asphalt pathway within the public road allowance intended for the use of pedestrians.

**Snow Accumulation** ~~means the natural accumulation of any of the following, alone or in combination~~ means the natural accumulation of any of the following that, alone or together, covers more than half a lane width of a roadway:

- Newly fallen snow
- Wind-blown snow
- Slush

~~**Snowpacked** conditions refer to winter sidewalk conditions where the traveled surface of the sidewalk is covered with a buildup of snow and/or ice and allows the user to manage safe travel.~~

**Storm** conditions or effects are when natural or external effects are acting upon the sidewalk surface condition. It does not refer to weather conditions that do not impact on the infrastructure. Storm conditions could include wind, rising and/or moving water, precipitation, cold temperatures (below -15°C) snowfall, freezing rain, hail, blowing snow, etc.

~~**Substandard** refers to a condition that is outside the defined standard. Normally a substandard condition requires a response, unless otherwise considered in the standard.~~

**Supervisor** refers to a person in the Public Works Department who is accountable for the deployment of operations that impact on the condition of sidewalk services.

**User** refers to any person travelling on or over the sidewalk.

**Winter** that season when cold weather effects on sidewalk conditions can be reasonably expected and as specified herein.

## **Policy: Winter Response**

This Level of Service policy covers those activities that are required to produce safe walking conditions for a pedestrian acting responsibly and exercising due caution, during those times of the year in which winter conditions can be anticipated.

The internal sidewalk winter control resources of the City of Kawartha Lakes consist of ~~Trackless S~~sidewalk snow clearing units complete with plow and blower attachments and wintertag along de-icing and/or abrasive spreading capabilitiesunits. The City employs sufficient operators to operate each unit to meet the levels of service detailed in this policy. These in house resources are supplemented with contracted resources, as needed, to meet the Cities overall obligations. In order to ensure that these resources are employed as efficiently and effectively as possible, the City of Kawartha Lakes adopts a policy of having the resources deployed generally when, and where, the needs are required as per the adopted Levels of Service.

~~In order to ensure that these resources are employed as efficiently and effectively as possible, the City of Kawartha Lakes adopts a policy of having the resources deployed generally when the needs are greatest.~~

The activities covered by this standard include continuous plowing, spot plowing, continuous sanding/salting, spot sanding/salting and inspection during normal ambient and storm conditions.

### **Snow Clearing Level of Service**

The policy for snow clearing is to deploy resources as soon as practicable to clear snow accumulations after becoming aware that the snow accumulation is greater than the depth set out in Table 1 below and to ensure that the accumulation of snow is maintained at a level less than or equal to the maximum depth indicated within the time allowed for in the policy for the duration of the storm. For the purposes of this policy addressing snow accumulation on a sidewalk includes,

- (a) plowing the sidewalk;
- (b) salting the sidewalk;
- (c) applying abrasive materials to the sidewalk;
- (d) applying other chemical or organic agents to the sidewalk; or
- (e) any combination of the methods described in clauses (a) to (d).

The following sections of sidewalk are not maintained by the City in the winter:

- Little Bobcaygeon Bridge (east side), Bobcaygeon
- Big Bobcaygeon Bridge (east side), Bobcaygeon
- Rock Street, between Elizabeth Street and Baseline Road (north side), Coboconk
- Asphalt extension of sidewalk from #42 Maguire St. to the Victoria Rail Trail (north side), Lindsay
- Concrete sidewalk adjacent to #47 Deacon Cres (north side) from Deacon Cres heading east to the Victoria Rail Trail, Lindsay

- Footbridge known as “The Rainbow Bridge” connecting Rainbow Bridge Park to the Scugog River Trail, Lindsay
- Concrete sidewalk adjacent to #25 Barron Blvd (south side) from Barron Blvd heading west to City of Kawartha Lakes property, Lindsay
- Concrete sidewalk adjacent to #19 Albert St N (south side), #86 Peel St (south side), and #88 Peel St. (south side), Lindsay
- Gravel walkway adjacent to #107 Lindsay St S (north side) from Trailway Lane (adjacent to #14 Trailway Lane) heading east to #93 and #118 Lindsay St. S., Lindsay
- Asphalt walkway on the south side of Dobson St from the intersection of Logie St and Dobson St heading East to the Trans-Canada Trail, Lindsay

### **Icy Sidewalks - Sanding and Salting**

The objective will be to deploy resources as soon as practicable, after becoming aware that ice has formed on a sidewalk, or part thereof. the sidewalk is snow or ice covered. The response will be to treat the sidewalk or sections thereof with deicing chemicals and/or abrasives (as appropriate) to treat the ice or snow and provide improved traction within the timeframes indicated in Table 1 and 2 for such response.

**Table 1 – Snow and Ice Accumulation and Surface Condition Sidewalk Level of Service**

Response to Snow Accumulation		
Area/ Road Class	Maximum Depth	Response Time
CBD (unless covered by By-Law) 1 - 5	≥58 cm	48/12 hours
Arterial	5 cm	12 hours
Collector	10 cm	24 hours
Local Residential	10 cm	48 hours

**Sanding and Salting**

~~The objective will be to deploy resources as soon as practicable, after becoming aware that the sidewalk is snow or ice covered. The response will be to treat the sidewalk or sections thereof with deicing chemicals and/or abrasives (as appropriate) to treat the ice or snow and provide improved traction within the timeframes indicated in Table 1 and 2 for such response.~~

**Table 2 – Ice Covered Sidewalk Response Level of Service**

Area/Class	Response Time
CBD (unless covered by By-Law)	6 hours
Arterial	6 hours
Collector	8 hours
Local Residential	12 hours

**Winter Sidewalk Inspection Level of Service – Routine Conditions**

~~Winter sidewalk inspection during daylight hours of the winter season shall be as specified in Table 5 of this Policy. Inspection is that activity which the road authority undertakes in an effort to to inform itself of, and document the condition of, its sidewalks. The City of Kawartha Lakes shall inspect its sidewalks via a representative route and shall be performed to achieve the requirements outlined in Ontario Regulation O. Reg. 366/18, s. 16.7(1) and O. Reg. 366/18, s. 16.7(2), as amended. once per day or once per shift (whichever is greater) during the period of winter control. Patrolling a sidewalk consists of visually observing the sidewalk, either by driving by the sidewalk on the adjacent roadway or by driving or walking on the sidewalk or by electronically monitoring the sidewalk, and may be performed by persons responsible for patrolling~~

roadways or sidewalks or by persons responsible for or performing roadway or sidewalk maintenance activities, so that the maximum cycle length as specified in Table 5 is not exceeded. Winter inspection may be achieved by making observations while driving on the adjacent roadways or walking representative sections of the walks. Winter inspection will take place during normal operating hours. Winter inspection will not occur between sunset and sunrise. Winter inspection may be achieved by patrol of representative roads/sidewalks as determined by the Municipality.

### **Central Business District (CBD) – Roles and Responsibilities**

In the CBD areas of the City of Kawartha Lakes (City) sidewalk winter maintenance shall be performed as stated in this policy; the City will provide a single pass of a sidewalk unit providing a minimum one-meter-wide pathway for pedestrian travel. Adjacent property owners are responsible for the clearing of snow in-front of their properties in all areas not serviced by the City, and providing access points to designated on-street parking. No snow is to be placed onto the roadway or designated on-street parking areas. Snow is to be placed, by adjacent property owners, on the paved boulevards at or near the curb line. Snow removal activities, performed by the City, shall be carried out as defined in Council Policy C124EPW010 Roadway Level of Service Policy Winter Maintenance

### **Declaration of a Significant Weather Event**

As per Regulation 239/02 of the Municipal Act 2001, an Ontario municipality may declare a significant weather event when a weather hazard is approaching or occurring and has the potential to pose a significant danger to users of the highways in which they have authority over. This declaration suspends the standard timelines required for municipalities to meet their winter maintenance objectives until the municipality declares the significant weather event has ended. In each case, during the course of a declared significant weather event, the standard for addressing winter maintenance is to monitor the weather and to deploy resources to address the issue starting from the time that the municipality deems it appropriate to do so. When the municipality has declared the event has ended, the standard timelines for winter maintenance activities will begin.

The City of Kawartha Lakes may declare a significant weather event when the weather forecast or actual weather condition includes one or more of the following conditions:

- Significant snow accumulation during a 24-hour period,
- Ice formation that occurs with no warning from the weather forecast,
- High winds leading to large snow drifts,
- Cold temperature when de-icing operations will not be effective.

The Director of Public Works or designate has the authority to declare a significant weather event. In the event the City of Kawartha Lakes declares a significant weather event the City will notify the public in one or more of the following ways:

- 1) By posting a notice on the municipality's website.
- 2) By making an announcement on a social media platform, such as Facebook or Twitter.
- 3) By sending a press release or similar communication to internet, newspaper, radio or television media.
- 4) By notification through the municipality's police service.
- 5) By any other notification method required in a by-law of the municipality. O. Reg. 366/18, s. 15.

**Table 5 – Winter Inspection Level of Service**

<b>Ambient Condition Minimum Standard</b>	
<b>Class</b>	<b>Cycle</b>
<del>Central Business District “CBD” (unless covered by By-Law)</del>	<del>1 x every 7 days</del>
<del>Arterials</del>	<del>1 x every 7 days</del>
<del>Collectors</del>	<del>Once every 7 days</del>
<del>Locals</del>	<del>Once every 14 days</del>

**Revision History:**

Proposed Date of Review:

<b>Revision</b>	<b>Date</b>	<b>Description of Changes</b>	<b>Requested By</b>
3	November 16, 2021	Alignment to MMS	Bryan Robinson