

Service Level Details

The table below outlines the primary elements of the Snow and Ice Control service levels. These service levels and associated costs are based on the following definitions of an “average” winter season:

- Season length: 180 days in duration
- Total snowfall days: 60 days with snowfall
- Total weather events: 2.33 weather events/month [14 events total]
 - Small snow event: 2+ cm accumulated snowfall [12 per season]
 - Large snow event: 10+ cm accumulated snowfall [2 per season]

A note on culs-de-sac costs:

Administration currently completes cul-de-sac service using primarily contracted service providers, paid by the hour for actual time worked. The cost of clearing and removing snow from cul-de-sacs varies and is primarily influenced by:

- The amount and quality of snow (packed, ice-heavy snow is more difficult to remove down to bare pavement than fresh snow); and
- The size and number of vehicles parked in the cul-de-sac (a small cul-de-sac with vehicles parked in it will take longer to clear than a larger, empty cul-de-sac).

The total cost and total duration of a cul-de-sac service will vary depending on the service providers available when a callout is made. Contracts for these service providers do not include a retainer; as such, not all eligible service providers may be available.

Administration is conducting a comprehensive procurement process for contractors to support the Snow and Ice Control program. Rates associated with contracted services may differ from rates in the current contracts and may have an impact on the costs presented below. Estimates below will be updated to reflect new contractor costs once all procurement has been completed.

Based on historical costs, a typical culs-de-sac service is \$2.0 million to \$4.0 million, and takes approximately 60 days to clear all 3300+ residential culs-de-sac.

Item	Status Quo Current Policy/Service Level	Enhanced 2021/2022 Service Level (Proposed)		Full Removal Service Level (Not Recommended)	
		Item Detail	Additional Cost	Item Detail	Additional Cost
Priority 1 Roads (<i>Freeways, arterials, business districts, busways</i>)	Maintain to a bare pavement standard within 36 hours from end of snowfall	No Change	N/A	No Change	+ \$135.0 million for blading, plowing and snow pickup and removal
Priority 2 Roads (<i>Collectors, bus routes</i>)	Maintain to a bare pavement standard within 48 hours from end of snowfall	No Change	N/A	No Change	
Priority 3 Roads (<i>Local industrial roads</i>)	Maintain to a bare pavement standard within 5 days from the end of snowfall	No Change	N/A	No Change	
Priority 4 Roads (<i>Residential roads and alleys</i>)	Blade level snowpack, start within 48 hours after snowfall and complete in 5 days	Blading after each large event regardless of snowpack; snowpack left at less than 5cm	+ \$19 million for blading & plowing + \$250,000 for increased QA inspections	Bare Pavement after each snowfall	
Windrows (<i>Residential</i>)	Windrows (less than 30 cm in height) left behind blocking driveways will be the	No Change.	N/A	Full removal after each snowfall	<i>Included in costs for snow blading, plowing and removal identified above</i>

Attachment 3

	responsibility of the adjacent property owner. Windrows (more than 30 cm in height) left behind will be cleared as to not block driveways.				
Culs-de-sac	Full removal once snowpack reaches 10cm. Not removed past February 14th due to 4-7 week removal timeframe.	Full removal on a defined schedule, 3 times per season; additional removal(s) possible based on weather events	+ \$6.0 million to +\$12.0 million <i>(\$2.0 million to \$4.0 million per service * 3 scheduled removal cycles)</i>	+ \$6.0 million to +\$12.0 million <i>(\$2.0 million to \$4.0 million per service * 3 scheduled removal cycles)</i>	+ \$6.0 million to +\$12.0 million <i>(\$2.0 million to \$4.0 million per service * 3 scheduled removal cycles)</i>
Alleys	Alleys adjacent to roadways subject to seasonal parking ban will be done first	Blading lanes after every event once P1 & P2 are complete. Completed before P4 begins.	<i>Included in costs identified above for Priority 4 Roads</i>	Full removal after each snowfall	<i>Included in costs for snow blading, plowing and removal identified above</i>
Active Pathways	No Change	No Change	N/A	Full removal after each snowfall	+ \$3 million for existing active pathways + \$1 million for existing bus stops

Attachment 3

City Sidewalks Adjacent to Private Property	No Change	No Change	N/A	Full removal after each snowfall	\$60.1 million
Parking Ban	Seasonal Parking Ban routes (bus routes)	City-wide parking ban declared for large snow events	N/A	Full season city-wide parking ban (mid-October to mid-April)	N/A
2020 Snow and Ice Control Program Budget	\$60 million	\$60 million		\$60 million	
Incremental Cost (above 2020 budget)	\$0	+\$25 million to \$31 million		+\$205 million to \$211 million	
Snow and Ice Control program Cost*	\$60 million (2020 budget)	\$85 million to \$91 million		\$265 million to \$271 million	

*Note that costs do not include the costs or revenue impacts of a parking ban at this time. The costs presented above are for the Snow and Ice Control program only.