Attachment 10

Snow and Ice Enhancements - June 2026

	Enhancement Type	Resident Awareness and Popularity	Accessibility	Operational Benefit	Operational Insights	Estimated Ongoing Costs	Estimated One Time Costs
1	Enhanced School Zones Clearing	+++	+++	+++	++	$2.1M	-
2	Adjust Residential Parking Bans with Standardization of Assigned Day	+++	+++	++	+++	$50K	$1M
3	Active Pathways Winter Bike Realignment	++	+++	+++	+++	-	$100K
4	Alley Maintenance	++	+++	++	++	$1.2M	-
5	Calcium Chloride System Upgrades	+	++	+++	+	$2.5M	$4.4M
6	Assisted Snow Removal Program Funding	+++	+++	+	+	$900K	
7	Fleet and Supply Chain Service Alignment	+	+	+++	+++	$356K	$888K
8	Contracted Windrow Pick-up for Residential	+++	+++	+++	+	$58.6M	$60M
9	Super Plows	++	++	++	++	$110K	$0.5M
10	Lifts for trucks (blade change system)	+	+	+++	+++	$10K	$1M
11	Winter Call-back Support	+	+	+++	+++	$225K	-
12	Significant Snow Surge Event Package	+++	++	+++	++	$14.9M	-
13	Contractors for Industrial Routes (P3s) for significant snow event	+	+	+++	++	$0.6M	-
14	New loaders for parking lot snow clearing	+	+	++	+++	$1.5M	$5M
15	Exceptional Snow Event Package	++	++	+	+	$13M	-
16	Crews reassignments for sign placement	++	++	+	+	$150K	-
17	Slip In Sanders	+	+	++	++	$90K	$0.5M
18	Tech Upgrades for existing tandems	+	+	+	+++	-	$0.5M
19	Backhoe/Loader combo for catch basins	+	+	++	++	$200K	$0.9M

20	Gravel spoons for catch basins	+	+	++	++	$10K	$75K
21	Gradall (equipment) for snow management	+	+	++	++	$360K	$2.2M
22	Additional single axle flushers for sweeping	+	+	++	++	$76K	$0.7M
23	Net new snow storage facility	+	+	++	+	$0.5M	$30M
24	Snow Dragon snow melter	+	+	+	+	$5.1M	$0.6M

Legend

+	Neutral effect on Resident Awareness and Popularity, Accessibility, Operational Benefit, or Operational Insights
++	Slightly positive effect on Resident Awareness and Popularity, Accessibility, Operational Benefit, or Operational Insights
+++	Positive effect on Resident Awareness and Popularity, Accessibility, Operational Benefit, or Operational Insights

Sorted by total impact ranking score - highest to lowest.

1. **Enhanced School Zone Clearing** - Increase frequency to three times per season. Adjust clearing to bare pavement with removal, sanding and sweeping. This initiative supports the Safe Mobility goals of enhancing safety for vulnerable road users.
2. **Adjust Residential Parking Bans Standardization of Active Day** - Change residential parking bans to one assigned day per week for each neighbourhood for clearing to occur. It may take multiple weeks for a neighbourhood, yet vehicles would only need to be moved for one day per week. Permanent signage would be installed in each neighbourhood indicating the active day. This initiative is ahead of the site-specific safety review, which could bring additional enhancement recommendations for safety in the future.
3. **Active Pathways Winter Bike Realignment** - Aligns current active pathway inventory within all areas, equalizing expectations and service levels - including definitions, service levels, maintenance criteria and winter responsibilities
4. **Alley Maintenance** - Contracted services to increase clearing of lanes and residential alleys with equipment suited for narrow spaces.
5. **Calcium Chloride Systems Upgrade** - Equipment and staffing for each roadway yard.

6. **Assisted Snow Removal Program Funding** - Based on the recently completed pilot project providing snow removal services to 428 locations for seniors living on fixed income and people with disabilities. This funding was tax levy funded and was not recoverable from the provincial government.
7. **Fleet and Supply Chain Service Alignment** - Adjustments and increases in fleet service field support to align with SNIC demand and schedules.
8. **Contracted Windrow Pick-up for Residential Areas** - Contractors to remove residential roadways windrows greater than 30 cm. This also includes expansion of three snow storage facilities to accommodate the additional snow removal.
9. **Super Plows** - Heavy-duty equipment with larger plow capabilities for faster clearing on main roadways.
10. **Lifts for trucks** - Install two blade change systems to increase efficiency and safety.
11. **Winter Call-back Support** - Councillor inquiries requiring action would be addressed within seven days.
12. **Significant Snow Surge Event Package** - During a significant snow event, (1) contractors conduct windrow pickup on Essential Roads, Arterial and Collector Roads, and Industrial Routes (Priority 1-3) allowing City staff to groom residential roads within five days of a snowfall; (2) contractors clear tight clearance areas (e.g. ramps, driveways) over four residential cycles and annual cul-de-sac clearance; (3) parking bans be supported by a seven-day full coverage advertising campaign.
13. **Contractors for Industrial Routes (Priority 3) for significant snow event** - Four rounds of contracted work by graders on Industrial Routes (Priority 3) to keep City plows on Essential Roads Arterial and Collector Roads (Priority 1-2) during successive snow events.
14. **New loaders for parking lot snow clearing** - Smaller loaders to clear parking lots.
15. **Exceptional Snow Event Package** - For an exceptional snow event where the City is experiencing nearly unprecedented weather conditions, (1) Grader fleet retainers for prioritized call-outs; (2) Temporary residential snow storage sites; (3) parking ban communications include a seven-day full coverage advertising campaign.
16. **Crew reassignments for sign placement** - Internal redeployment of up to 40 staff.
17. **Slip in Sanders** - Five units to offset units undergoing refurbishment.
18. **Tech Upgrades for existing tandems** - Cameras and blade sensors for existing tandem fleet.
19. **Backhoe/Loader combo for Catch Basins** - Specialized equipment allowing for efficient and effective clearing of catch basins.
20. **Gravel spoons for catch basins** - Specialized heavy equipment attachments used to place materials into tight areas.
21. **Gradall (equipment) for snow management** - Heavy-duty excavators with hydraulic, telescoping and full-tilting booms. Niche pieces of equipment that allow for detailed snow clearing.

22. **Additional single axle flushers for sweeping** - Heavy-duty water trucks with high-capacity water tanks and high-pressure hydraulic water pumps to wash roadways, clean catch basins and flood surfaces.
23. **Net new snow storage facility** - Additional snow storage capacity to accommodate removals.
24. **Snow dragon snow melter** - Heavy-duty snow melting technology to reduce use of snow storage facilities.