

THE CORPORATION OF THE CITY OF NELSON

POLICY TITLE: Snow and Ice Control

POLICY NO: 5400.11.010

EFFECTIVE DATE: December 17, 2021

SUPERSEDES: None

APPROVAL: Council

PAGE: 1 of 8

PURPOSE:

To provide for the safe passage of vehicles and pedestrians within the City of Nelson during snow and ice season.

POLICY:

The Council of the City of Nelson wishes to provide for the safe passage of vehicles and pedestrians within the City of Nelson by ensuring that snow and ice control operations are carried out on roads, sidewalks and stairs in a timely manner in accordance with priorities identified by Council, included as Schedules A, B and C of the Policy. The system of snow and ice control established by this policy is a reasonable allocation of budgetary resources and the availability of City of Nelson personnel and equipment considering its other social and budgetary priorities.

DEFINITIONS:

The following definitions apply to this policy:

- a. **Roads:** include asphalt roads and lanes but do not include gravel roads.
- b. **Snow Event:** is a snowfall of greater than 1 cm;
- c. **Snow Plowing:** means to move or push the accumulation of snow from the driving lanes of a road towards the edge of the road and left in a windrow or stockpile. Snow plowing is done using equipment, including, but not limited to, graders, loaders, plow trucks, pickup trucks and skid-steer loaders. Snow will not be cleared to bare pavement;
- d. **Snow Removal:** involves loading the windrowed snow onto trucks and subsequently hauling the snow to snow disposal sites. No attempt will be made to remove snow from driveway entrances;
- e. **Snow Shoveling:** means to manually move or push the accumulation of snow from the middle to edge of the sidewalk or stairs and left in a windrow or stockpile. Snow will not be cleared to bare concrete/pavement;
- f. **Ice Control:** Involves the control of the build-up of packed snow or ice on roadways through the use of equipment, abrasive materials or chemicals;
- g. **Sanding:** involves the application of treated or dry sand to roadways to improve traction;
- h. **Bare Surface:** snow remaining on either the roadway pavement or the concrete sidewalk, after Snow Plowing has concluded, shall not exceed four (4) cm;
- i. **Compacted Snow Surface:** snow that has accumulated on the roadway surface and is packed by traffic or leveled by snow plows;
- j. **Recorded Temperature:** the temperature recorded by Environment Canada;

- k. **Regular Operational Hours:** means Monday through Friday inclusive, 7:00 am to 3:00 pm. Does not include weekends or statutory holidays;
- l. **Downtown Core:** means the area bounded by Vernon to Victoria Street and Highway 3 to Cedar Street;
- m. **Special Winter Shifts:** means scheduled staff from 4:00 am to 11:00 pm, seven (7) days a week for the purpose of utilizing existing staff resources to conduct snow and ice control. The utilization of Special Winter Shifts is subject to budgetary limitations and the weather forecast. Staff may be moved into and out of a Special Winter Shift more than once during the winter season, in response to budget constraints and forecast weather conditions;
- n. **Windrow:** means a row of snow that is left from a snow plow's blade when clearing the public roadway and sidewalks. Windrows occur as an outcome of Snow Plowing activities;
- o. **Stockpile:** means snow that has been deposited into a pile during snow and ice control activities;
- p. **Extraordinary Snowfall:** means a snowfall over 30 cm (12 inches) of continuous accumulation.

Snow Control: Roads

1. The Director of Public Works and/or his or her designate(s) will direct the commencement of Snow Plowing after a Snow Event when staff is scheduled to work during Regular Operational Hours. Staff scheduled to work Special Winter Shifts have been directed by the Director of Public Works and/or his or her designate(s) to respond to Snow Events, though the process of being scheduled into a Special Winter Shift.
2. The Director of Public Works and/or his or her designate(s) will monitor the weather forecast during Regular Operational Hours. Any change to the forecast that occurs outside of Regular Operational Hours and has the potential to impact the commencement of Snow Plowing, will be re-evaluated during the next regular shift.
3. Snow Plowing priorities are identified as high priority (Priority 1 Roads), secondary priority (Priority 2 Roads), tertiary priority (Priority 3 Roads), quaternary priority (Priority 4 Roads) and quinary priority (Priority 5 Roads). See Appendix A for defined priority routes. Exceptions will be made where an emergency request is received by police, fire or ambulance.
4. Snow Plowing shall be done in a manner to achieve two driving lanes width:
 - a. Bare Surface conditions on Priority 1 and 2 Roads;
 - b. Compacted Snow Surface on Priority 3, 4 and 5 Roads.
 During most winters, parked vehicles can constrain the road surface resulting in areas where only one driving lane can be achieved.
5. Staff will initially plow Priority 1 Roads and maintain Priority 1 roads to a Bare Surface condition until the termination of a Snow Event.
6. Priority 2 roads will be plowed to a Bare Surface condition once Priority 1 Roads can be maintained to a Bare Surface condition.

7. Priority 3 Roads will be plowed to a Compacted Snow Surface once Priority 1 and 2 Roads can be maintained to a Bare Surface condition.
8. Priority 4 Roads will be plowed to a Compacted Snow Surface once Priority 1 and 2 Roads can be maintained to a Bare Surface Condition and Priority 3 Roads can be maintained to a Compacted Snow Surface.
9. Priority 5 Roads will be plowed to a Compacted Snow Surface only after other Roads have been maintained to the stated service levels or when the City's Sanitation Collection Crews indicate that a lane has become unpassable and the Sanitation Collection Crews request that the lane be plowed to a Compacted Snow Surface. Exceptions will also be made where an emergency request is made for police, fire or ambulance access.
10. In the event that available resources are not adequate to meet the Snow Plowing demand, unsafe or impassable roads may be temporarily closed by the Director of Public Works & Utilities or their designate(s) until the City of Nelson has the resources available to plow the roads.
11. Roads that have been temporarily closed by the Director of Public Works & Utilities or their designate(s) will be posted on the City of Nelson website (www.nelson.ca) during regular operational hours.

Snow Removal

12. Snow Removal shall be undertaken only in situations where lack of adequate storage prohibits the reasonable movement of vehicular and/or pedestrian traffic, due to the presence of a windrow or stockpile of snow. During most winter seasons, only a limited amount of Snow Removal will be done due to space and budgetary limitations.
13. Snow Removal priorities are based on the priority routes set out in Schedule A. If Snow Removal is required, the snow would be removed first from Priority 1 Roads, and any additional removal would follow the hierarchy of roads that is set out in Schedule A.
14. A snowfall over 30 cm (12 inches) of continuous accumulation is considered an extraordinary snowfall. Where this circumstance occurs, the Director of Public Works & Utilities or their designate(s) may engage contracted snow removal services to assist with snow removal, if available, and subject to budget considerations.

Ice Control/Sanding: Roads

15. The same priority routes identified in Schedule A for Snow Removal will also be utilized to establish the priority for Ice Control and Sanding. Ice Control and Sanding may occur in conjunction with other Snow Control activity, or may be done independently.
16. Ice Control and Sanding will be initiated by the Director of Public Works & Utilities or their designate(s), during Regular Operational Hours, when the temperature and ambient conditions are conducive to the formation of ice on roads. Staff scheduled to work Special

Winter Shifts have been directed by the Director of Public Works and/or his or her designate(s) to respond to icy roads, though the process of being scheduled into a Special Winter Shift.

17. The Director of Public Works and/or his or her designate(s) will monitor the weather forecast during Regular Operational Hours. Any change to the forecast that occurs outside of Regular Operational Hours and has the potential to impact the commencement of Ice Control and Sanding, will be re-evaluated during the next regular shift.
18. When the temperature and ambient conditions are conducive to the formation of ice on roads, Sanding will be undertaken to promote traction. Sanding will only take place on the following:
 - a. hills;
 - b. curves;
 - c. school zones;
 - d. bus stops;
 - e. 30 metres before street signalized intersections; and,
 - f. 30 metres before stop signs.
19. Members of the public and staff be encouraged to report any observed icy conditions for Priority 1 and 2 Roads located in the City of Nelson to the Director of Public Works and/or his or her designate(s). Reports of observed icy conditions will be reviewed during Regular Operational Hours. The Director of Public Works and/or his or her designate(s) will investigate the reported icy conditions. If the surface is found to be slippery, Sanding will be undertaken to promote traction in accordance with this policy;

Snow/Ice Control: Sidewalks

20. Snow Plowing and Ice Control on sidewalks is the responsibility of the resident or business of which the sidewalk fronts according to the City of Nelson Traffic Bylaw No. 3156, 2010.
21. The City of Nelson will be responsible for Snow Plowing and Ice Control on sidewalks on a priority basis in accordance with the route set out in Schedule B.
22. Snow Plowing and Ice Control on sidewalks will occur after a Snow Event and will be conducted along with the Snow Plowing and Ice Control on roadways, subject to the availability of staffing.
23. The City of Nelson will prioritize snow and ice control on the roadways over snow and ice control on sidewalks if suitable staffing resources are not available to address both priorities.
24. Ice Control and Sanding will be initiated by the Director of Public Works & Utilities or their designate(s), during Regular Operational Hours, when the temperature and ambient conditions are conducive to the formation of ice on sidewalks. Staff scheduled to work Special Winter Shifts have been directed by the Director of Public Works and/or his or her designate(s) to respond to icy sidewalks, though the process of being scheduled into a Special Winter Shift.
25. The Director of Public Works and/or his or her designate(s) will monitor the weather forecast during Regular Operational Hours. Any change to the forecast that occurs outside of Regular

Operational Hours and has the potential to impact the commencement of Ice Control and Sanding, will be re-evaluated during the next regular shift.

26. When the temperature and ambient conditions are conducive to the formation of ice on sidewalks, Sanding will be undertaken to promote traction on the route set out in Schedule B.
27. In the event that available resources are not adequate to meet the Snow and Ice control demand, unsafe or impassable sidewalks may be temporarily closed by the Director of Public Works & Utilities or their designate(s) until the City of Nelson has the resources available to conduct Snow and Ice control on sidewalks.
28. Sidewalks that have been temporarily closed by the Director of Public Works & Utilities or their designate(s) will be posted on the City of Nelson website (www.nelson.ca) during regular operational hours.

Snow/Ice Control: Stairs

29. The City of Nelson will undertake hand shovelling of stairs as outlined on the attached Sidewalk/Stair/Landing Locations Designated for Hand Shoveling map set out in Schedule C. The hand shovelling of the stairs is scheduled to occur 7 am to 3 pm Monday through Friday.
30. Snow Shoveling and Ice Control on sidewalks will occur after a Snow Event and will be conducted along with the Snow Plowing and Ice Control on roadways and sidewalks, subject to the availability of staffing.
31. The snow and ice control on the roadways and sidewalks will take priority over snow and ice control on stairs if suitable staffing resources are not available to address all priorities.
32. In the event that available resources are not adequate to meet the Snow and Ice control demand, unsafe or impassable stairs may be temporarily closed by the Director of Public Works & Utilities or their designate(s) until the City of Nelson has the resources available to conduct Snow and Ice control on stairs.
33. Stairs that have been temporarily closed by the Director of Public Works & Utilities or their designate(s) will be posted on the City of Nelson website (www.nelson.ca) during regular operational hours.

Record Keeping

34. The Director of Public Works and/or his or her designate(s) prepare and maintain written or electronic documentation noting:
 - a. daily weather forecast;
 - b. records that identify the time, equipment and the operator for Snow Plowing, Snow Removal, Ice Control and Sanding operations;
 - c. GPS records of equipment used where available; and,
 - d. complaints made by the public and the response to each complaint;

SCHEDULE A

Roads

Snow plowing and sanding and removal activities of City streets shall be carried out on a priority schedule to best serve the public and accommodate emergency equipment within budget guidelines.

Priority One Roads:

- Emergency routes
- Bus routes
- Downtown core

Priority Two Roads:

- Critical Utility routes
- Major hills

Priority Three Roads:

- Cross streets
- Intersections and crosswalks
- Handicapped parking in the downtown core
- Bus stops and fire hydrants

Priority Four Roads:

- Dead end streets

Priority Five Roads:

- Rear lanes
- Dead end lanes

In areas where rear lane is noted as being important to the collection of garbage and recycling, the lane may be plowed with increased priority.

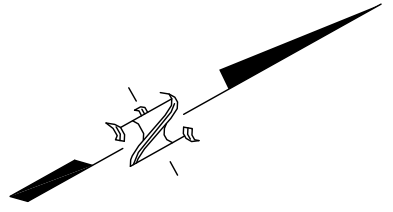
The attached map illustrates the City Roadway network with priority designations.

West Arm of Kootenay Lake



LEGEND

- Priority 1 —
- Priority 2 —
- Priority 3 —
- Priority 4 —



THE CORPORATION OF THE CITY OF NELSON
310 WARD STREET NELSON, B.C. V1L 5S4

SCHEDULE A

SCALE: N.T.S.	DATE: 6 DEC 2021	DESIGNED: DRAWN: APPROVED: DNDB	DRAWING NO. SNOW2021 TAB: Large Map REV. A:
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PUBLIC WORKS DEPT.

SELOUS ROAD ACCESS

SCHEDULE B

Sidewalks

Snow removal, sanding and plowing of designated sidewalk routes will be done as outlined on the attached sidewalk map.

West Arm of
Kootenay Lake



LEGEND
SIDEWALK PLOW

THE CORPORATION OF THE CITY OF NELSON
310 WARD STREET NELSON, B.C. V1L 5S4

SCHEDULE B

SCALE: N.T.S.	DATE: 7 DEC 2021	DESIGNED: DRAWN: APPROVED:	DND DND DND	DRAWING NO. SN0W2021
PUBLIC WORKS DEPT.				TAB: AT-ST REV B: DEC 09 2021

SCHEDULE C

Stairs

Snow removal, sanding and plowing of designated stairs will be done as outlined on the attached stairs map.

West Arm of Kootenay Lake



LEGEND

STAIRS 

THE CORPORATION OF THE CITY OF NELSON
310 WARD STREET NELSON, B.C. V1L 5S4

SCHEDULE C

SCALE: N.T.S.	DATE: 7 DEC 2021	DESIGNED: DRAWN: APPROVED:	DNDB	DRAWING NO. SNOW2021
PUBLIC WORKS DEPT.				TAB: AT-ST REV B: DEC 09 2021

City of Nelson
Snow and Ice Control Plan

Winter 2021/2022

INDEX

- 1.0 APPROVAL BY COUNCIL
- 2.0 INTRODUCTION
- 3.0 PURPOSE
- 4.0 LIMITATIONS
- 5.0 ALLOCATION OF CITY FORCES
- 6.0 EQUIPMENT
- 7.0 SNOW CONTROL: ROADS
- 8.0 ICE CONTROL/SANDING: ROADS
- 9.0 SNOW AND ICE CONTROL: SIDEWALKS
- 10.0 SNOW AND ICE CONTROL: STAIRS
- 11.0 DRIVEWAYS
- 12.0 PRIVATE PROPERTY
- 13.0 DAMAGE RELATED TO SNOW PLOWING, SANDING OR REMOVAL
- 14.0 HAZARDS
 - 14.1 General Hazards
 - 14.2 Windrow and Stockpiled Snow Hazard Warning
- 15.0 PARKING RESTRICTIONS
 - 15.1 Parking Restrictions General
 - 15.2 Parking Restrictions Downtown
 - 15.3 Parking Restrictions Residential
- 16 WINTER CLOSURES
 - 16.1 Road Closures
 - 16.2 City Maintained Sidewalk Closures
 - 16.3 City Maintained Stair Closures
- 17 SNOW STORAGE AND HAULING
- 18 HOW TO GET IN TOUCH WITH US

1.0 ENDORSEMENT FROM COUNCIL

The City of Nelson Snow and Ice Control Plan was approved at the Dec 17, 2021 regular meeting of Council.

2.0 INTRODUCTION

The Snow and Ice Control Plan has been created as a guide to the City of Nelson's Snow and Ice Control Policy. The intent of this plan is to advise the public, Council and City staff of when and how snow and ice will be dealt with by the Public Works & Utilities Department as well as to identify some of the constraints and issues around snow and ice control.

The City of Nelson maintains over 67 km of roads for winter conditions. Budgetary, equipment and manpower constraints render it impossible for all the roads in the City to be completely cleared of snow and ice in a single day. This plan identifies the priorities for snow and ice control and the order in which areas will be serviced after a snowfall.

Winter weather can be very unpredictable and the City's ability to meet the objectives set out in this plan can be impacted by equipment breakdowns, manpower shortages and budget limitations. This Snow and Ice Control Plan is considered a response to the best-case scenarios assuming that all the equipment is in good working order and all personnel is available for work. The City will make every attempt to achieve the objectives set out in this plan in as short a timeframe as operationally possible.

3.0 PURPOSE

The purpose of the Snow and Ice Control Plan is to provide guidance to staff and the public of how the City of Nelson's Snow and Ice Control Policy will be implemented. The purpose of the Snow and Ice Control Policy is to provide for the safe passage of vehicles and pedestrians within the City of Nelson by ensuring that snow and ice control operations are carried out on roads and sidewalks in a timely manner in accordance with the priorities identified by Council. This activity will be conducted within the limitations imposed by weather conditions, the natural environment and the availability of equipment, material, personnel and financial resources. As a result of those limitations, it is recognized that there will be occasions when pavement and other surfaces will be slippery and/or snow and ice covered. During these periods drivers and pedestrians both must recognize the conditions and utilize good judgement, care and attention to traverse the transportation system in an appropriately safe manner. Good winter conditions represent a roadway that is passible for a vehicle with proper winter tires, being driven according to the conditions (driven cautiously, defensively and at a speed that is appropriate and may be significantly less than the posted speed limit).

4.0 LIMITATIONS

There are many variables to snow and ice control that can affect the City's ability to attain the objectives set out in this plan. Multi-day storms, varying storm or weather conditions, severe cold temperatures, personnel illness or injury, equipment breakdowns, and/or other emergencies within the City as well as budgetary constraints can extend the time required to clear the snow and reduce the effectiveness of the Snow and Ice Control Plan.

Due to unpredictable weather conditions, the City cannot guarantee that roads will be completely bare nor will the City salt/sand the entire road network. Sight lines may be reduced due to the location of snow piles. Visibility may be poor as a result of heavy snow, blowing snow or fog conditions. Due to these and

other conditions, the maximum legal speed limit may not be possible at all times and drivers are reminded to exercise caution and drive according to road conditions. Private vehicles should be maintained in good condition and have proper winter tires installed to improve winter driving performance.

5.0 ALLOCATION OF CITY FORCES

The following schedule illustrates how Special Winter Shifts will be used to schedule existing employee resources to implement the City of Nelson Snow and Ice Control Policy by day of week and hour of day, for Winter 2021/2022. The primary duty of these employees is to implement the City of Nelson Snow and Ice Control Policy.

Staff Resources By Day of Week and Hour of Day							
HOUR OF DAY	DAY OF WEEK						
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Midnight	0	0	0	0	0	0	0
1am	0	0	0	0	0	0	0
2am	0	0	0	0	0	0	0
3am	0	0	0	0	0	0	0
4am	1	2	3	3	3	2	1
5am	3	7	8	8	8	7	3
6am	3	7	8	8	8	7	3
7am	5	10	12	12	12	9	4
8am	5	10	12	12	12	9	4
9am	5	10	12	12	12	9	4
10am	5	10	12	12	12	9	4
11am	5	10	12	12	12	9	4
Noon	4	8	9	9	9	7	3
1pm	2	3	4	4	4	2	1
2pm	2	3	4	4	4	2	1
3pm	1	1	2	2	2	1	1
4pm	1	1	2	2	2	1	1
5pm	1	1	2	2	2	1	1
6pm	1	1	2	2	2	1	1
7pm	1	1	2	2	2	1	1
8pm	1	1	2	2	2	1	1
9pm	1	1	2	2	2	1	1
10pm	1	1	2	2	2	1	1
11pm	0	0	0	0	0	0	0

The above schedule will be impacted by absences of staff, statutory holidays, other emergency events (such as watermain breaks and sewage backups) and the need to ensure adequate rest for personnel. In

the event of an extraordinary snowfall, attempts will be made to divert other Public Works & Utility Department employee resources, if operationally feasible and subject to availability. The Public Works & Utility Department is not able to guarantee that additional staff resources will be available to supplement the staff resources that are outlined in the above schedule. If Special Winter Shifts are not being utilized, then the majority of staff will be scheduled to work Regular Operational Hours. Regular Operational Hours means Monday through Friday inclusive, 7:00 am to 3:00 pm, and does not include weekends or statutory holidays.

6.0 EQUIPMENT

The City of Nelson will utilize the following equipment to implement the City of Nelson Snow and Ice Control Policy:

- 4 Trucks equipped with belly plows and sanding units;
- 1 Truck equipped with a front plow and sanding unit;
- 3 Front end loaders with pivoting blades;
- 1 Snow blower attachment for a front end loader;
- 1 Skid steer;
- 2 Dump trucks;
- 3 Sidewalk plows with sidewalk sanders; and
- 1 Snow blower attachment for sidewalk plows.

Deployment of the above equipment will be based on available employee resources, scheduled equipment servicing and equipment breakdowns.

In addition to the equipment listed above, the City of Nelson may use light equipment, pickup trucks and hand tools for duties associated with snow removal.

Due to the size of snow removal equipment, operator visibility is limited, and operators must constantly focus on the operation of their own vehicles.

At times, operators may drive on the wrong side of the road in order to clear the road effectively. All vehicles must slow down or stop to allow the operators to complete the task at hand.

ALL PRIVATE VEHICLES MUST ALLOW CITY OPERATORS AMPLE ROOM TO MANOEUVRE. NO ONE MAY PARK BEHIND, FOLLOW TOO CLOSE OR PASS ANY SNOW REMOVAL EQUIPMENT.

7.0 SNOW CONTROL: ROADS

Schedule A of the City of Nelson's Snow and Ice Control Policy indicates that snow plowing, sanding and removal activities of City streets shall be carried out on a priority schedule to best serve the public and accommodate emergency equipment within budget guidelines.

Priority One Roads:

- Emergency routes
- Downtown core
- Bus Routes

Priority Two Roads:

- Critical Utility routes
- Major hills

Priority Three Roads:

- Cross streets
- Intersections and crosswalks
- Handicapped parking in the downtown core
- Bus stops and fire hydrants

Priority Four Roads:

- Dead end streets

Priority Five Roads:

- Rear lanes
- Dead end lanes

In areas where rear lane is noted as being important to the collection of garbage and recycling, the lane may be plowed with increased priority. City lanes and alleys in residential areas are generally not plowed; we thank residents for any assistance in keeping these areas passable.

8.0 ICE CONTROL/SANDING: ROADS

The City of Nelson's Snow and Ice Control Policy indicates that the same priority routes identified in Schedule A for Snow Removal will also be utilized for Ice Control and Sanding. The policy also directs that sanding will only take place on the following:

- hills;
- curves;
- school zones;
- bus stops;
- 30 metres before street signalized intersections; and
- 30 metres before stop signs.

9.0 SNOW AND ICE CONTROL: SIDEWALKS

Sidewalk snow plowing and sanding will be done as outlined on the sidewalk map included in the City of Nelson's Snow and Ice Control Policy. When Special Winter Shifts are being utilized, sidewalk snow plowing and sanding is scheduled to occur 5 am to 1 pm Monday through Saturday. Sidewalk plowing and sanding will not be conducted on Sundays or Statutory Holidays. If staffing resources are not sufficient to address snow and ice control on both roadways and sidewalks, resources will be prioritized to conduct snow and ice control on roadways. If Special Winter Shifts are not being utilized, Staff will be scheduled to conduct sidewalk snow plowing and sanding during Regular Operational Hours. Regular Operational Hours means Monday through Friday inclusive, 7:00 am to 3:00 pm, and does not include weekends or statutory holidays.

In certain instances, snow may be inadvertently plowed onto sidewalks as a result of the road clearing process. It is the responsibility of homeowners to clear snow from sidewalks adjacent to their properties as per the City of Nelson Traffic Bylaw No. 3156, 2010. In addition, every owner or occupier of a business premises whom is adjacent to a sidewalk that is not identified on the sidewalk map included in the City of Nelson's Snow and Ice Control Policy, shall remove any accumulation of snow or ice upon any sidewalk abutting the land or premises owned or occupied by the person, other than the sidewalks identified no later than 11:00 am of any day except Sunday or holidays.

10.0 SNOW AND ICE CONTROL: STAIRS

The hand shovelling of the stairs identified in City of Nelson's Snow and Ice Control Policy is scheduled to occur 7 am to 3 pm Monday through Friday. Stair hand shovelling and sanding will not be conducted on Weekends or Statutory Holidays. If staffing resources are not sufficient to address snow and ice control on both the roadways and sidewalks, staffing resources will be prioritized to conduct snow and ice control on roadways.

As is identified in the City of Nelson Traffic Bylaw No. 3156, 2010, every owner or occupier of a residential premises shall remove snow from stairs adjacent to the land or premises owned or occupied no later than 11:00 a.m. of any day.

11.0 DRIVEWAYS

In normal road clearing circumstances, snow will be plowed to the sides of the roads and no attempt will be made to clear access to driveways. As a result of plowing, snow piles (windrows) may be created in driveways. The clearing of windrows from driveways is the responsibility of the property owner.

12.0 PRIVATE PROPERTY

The City of Nelson does not conduct snow and ice control on private property, including strata developments. Exceptions can be made where an emergency request is made for police, fire or ambulance access.

Snow removed from private property must not be stored on City land or on City roads; residents are reminded that this is a very dangerous practice.

13.0 DAMAGE RELATED TO SNOW PLOWING, SANDING OR REMOVAL

There are occasions when damage could occur to private property and public boulevards. Please advise the City in writing if you believe we have damaged your property. Please note we are unable to accept any liability for the repair of boulevard lawns as a result of damage caused by sand from winter operations. We ask your cooperation in the removal of sand from boulevards in the spring. The sand can be placed on the street where it does not impede traffic. The City will be scraping, sweeping and flushing the streets in the spring and will clean sand removed from boulevards at that time. Please clean your boulevard before the street cleaning equipment arrives.

14.0 HAZARDS

14.1 General Hazards

Dealing with snow is complex and is often conducted in adverse weather conditions. No two snowstorms are exactly alike, and our snow and ice control operators usually have to deal with the following:

- Decreased visibility, glare and reduced light;
- Variable temperatures affecting ice and snow conditions;
- Reduced traction;
- Stranded, stuck and frustrated motorists;
- Emergency service requests initiated by Police, Fire or Ambulance;
- Parked vehicles and objects that are hidden by snow; and
- The pressure of trying to get the job done

Residents are requested to please give our snow removal equipment the right of way – we are working to get everyone to their destinations safely. Please drive carefully and pay attention to road conditions. There are times where it makes sense to pull over and wait for a plow to pass. **PLAN YOUR ROUTE TO TAKE EMERGENCY OR BUS ROUTES AND AVOID STREETS WITH STEEP GRADES.** It can prevent a costly accident or a dangerous situation.

14.2 Windrow and Stockpiled Snow Hazard Warning

Windrows and other stockpiles of snow occur as an outcome of Snow Plowing activities. These windrows and other stockpiles of snow can be hazardous for the following reasons;

- The solidity of the snow and the ability of the snow to support applied weight can vary considerably based on ambient weather conditions;
- The solidity of the snow can vary considerably depending on the degree of work hardening that has occurred due to the Snow Plowing activities;
- The solidity of the snow can vary considerably due to soft spots or pockets of air that can lead to sink holes or a collapse of the snow;
- The collapse of a windrow or other stockpile of snow could trap a person and could possibly result in suffocation or the onset of hypothermia;
- The opacity of the snow can prevent the visual detection of other hazards that may be present either in or under the accumulated snow resulting in a concealed condition;
- The surface of the snow may be slippery and could result in a loss of footing;

Therefore, **STEPPING ONTO OR INTO A WINDROW OR OTHER STOCKPILE OF SNOW COULD RESULT IN SERIOUS INJURY OR DEATH** and should be avoided. It is recommended that persons attempting to access property that is located on the other side of a windrows or other stockpile of snow either:

- Seek an alternate point of access;
- Wait until either City Snow Removal activities have occurred or the hazard has abated due to the snow melting completely.

PLEASE EDUCATE AND WATCH CHILDREN TO MAKE SURE THEY DO NOT PLAY IN OR ON WINDROWS OR OTHER STOCKPILED SNOW.

15.0 PARKING RESTRICTIONS

15.1 Parking Restrictions General

As is outlined in the City of Nelson Traffic Bylaw No. 3156, 2010, from November 1st to April 30th within all residential zones where parking is permitted on both sides of the street, vehicles are required to park on the even numbered side of the street on even numbered calendar dates and park on the odd numbered side of the street on odd numbered calendar dates, so as not to obstruct the City's snow clearing operations. Vehicles in contravention of these restrictions are subject to a \$60 fine.

In all areas of the City, it is required that you move your vehicle at least once every 72 hours to a parking area that has been plowed back close to the concrete curb. This will give plows a chance to clear the area that you normally park in.

If you are travelling away from Nelson for more than 48 hours, please make arrangements for the care of any vehicle parked on the street. This duty of care also applies to any vehicles parked on public property.

15.2 Parking Restrictions Downtown

During snow and ice events, there will be no parking on Baker St. from 2:00am to 7:00am from Sunday to Wednesday. Signs are posted and restrictions will be enforced. There will be no parking on the central downtown business area side streets from 2:00am to 7:00am from Thursday to Saturday. Signs are posted and restrictions will be enforced. Commercial parking areas may be restricted as necessary for snow removal. These areas will be temporarily posted.

15.3 Parking Restrictions Residential

The key to safe, effective and efficient snow and ice control on city streets is to maintain one clear travel lane so that snow can be cleared back as close as possible to the curb. This means following the odd and even parking rule on residential streets, where permitted. Parking in residential areas may be also be restricted and temporary signage posted, as required, for snow clearing operations.

During the snow and ice control season, on street parking is prohibited:

- South side of the 700 block of Robson St.
- 400 block of Latimer St.
- 400 block of Hamilton St.
- West side of the 600 block of Fifth St
- 200 to 800 blocks of Houston St.

16 WINTER CLOSURES

16.1 Road Closures

The following roads are closed to all vehicles during the entire snow season:

- 900 block of Victoria St.

The following roads are subject to routine temporary closure during the entire snow season:

- 600 & 700 Cedar St.

- 600 & 700 Carbonate St.
- 900 blocks of Josephine St.
- 100 Hart St.

Other roads may be temporarily closed as required after a snow event. A listing of these temporary road closures can be found at the City of Nelson webpage www.nelson.ca. It is recommended that the listing of road closures be reviewed prior to venturing onto a City roadway during or after a snow event.

16.2 City Maintained Sidewalk Closures

City maintained sidewalks may be temporarily closed as required after a snow event. A listing of these temporary sidewalk closures can be found at the City of Nelson webpage www.nelson.ca. It is recommended that the listing of sidewalk closures be reviewed prior to venturing onto a City maintained sidewalk during or after a snow event.

16.3 City Maintained Stair Closures

City maintained stairs may be temporarily closed as required after a snow event. A listing of these temporary stair closures can be found at the City of Nelson webpage www.nelson.ca. It is recommended that the listing of stair closures be reviewed prior to venturing onto a City maintained stairs during or after a snow event.

17.0 SNOW STORAGE AND HAULING

The City's priority is to plow the roads and make them passable for motor vehicles. As such, snow is first cleared from the traffic lanes and stored on or near gutters, boulevards or in parking spaces. Once some of these storage areas have reached a certain size, the City may haul the snow to designated snow storage sites.

Consideration will not normally be given for removal of snow from a roadway unless there is insufficient space available on the side of the road to allow for two travel lanes because of stored snow. Snow hauling is very time consuming, costly and can take significantly longer than snow plowing.

The utilization of snow hauling is contingent upon manpower, equipment availability, snow dumpsite capacity, budgets and operational concerns. Limitations due to lack of available, suitable City-owned land means that a finite amount of snow can be stored.

18.0 HOW TO GET IN TOUCH WITH US

The Public Works & Utilities department is open Monday to Friday - 7:00 am to 3:00pm and can be contacted at 352-8238.

General information, as well as this Snow & Ice Management Plan, is available on the City's website at www.nelson.ca.

Temporary road, sidewalk and stair closures are available on the City's website at www.nelson.ca.