

TOPIC: SNOW AND ICE CONTROL

POLICY: The effective and efficient provision of Snow and Ice control operations is necessary to allow the City of Salmon Arm (City) to function under winter weather conditions. This policy is necessary to define the objectives and standards by which Snow and Ice control will be undertaken in a timely manner in accordance with priorities identified by Council. The Council of the City believes that the system of Snow and Ice control established by this policy is a reasonable allocation of budgetary resources and the availability of City personnel and equipment considering its other social and budgetary priorities;

This policy applies from the last full week in November to the first full week in March. Winter storms outside this period will not be covered by this policy and will be responded to as resources are available, given the City's resource limitations and budgets.

OBJECTIVE: The main objective of this policy is to establish maintenance standards for pre-event, during and post storm conditions. The policy is intended to reduce the hazards of ice and snow conditions for motorists and pedestrians on streets and sidewalks resulting from the accumulation of snow and ice.

DEFINITIONS:

“CLEARED or CLEARING” to move or push the accumulation of snow from Roads or Sidewalks using City equipment. Snow will not be cleared to bare pavement or concrete.

“EXTREME SNOWFALL” a snowfall over 30 cm (12 inches) of continuous accumulation within a 24-hour period.

“ICE CONTROL” to treat and/or prevent ice formation through the application of material, including but not limited to salt, sand, calcium, anti-icing agent or any combination thereof.

“PASSIBLE” snow depth of up to one inch on roads or roadways.

“REGULAR WORKING HOURS” 5:00 AM to 1:30 PM, Monday through Friday, excluding Holidays. During period between the last full week in November to the first full week in March of each year.

“ROADS” or “ROADWAYS” a road, street, lane or right of way designed or intended for or used by the public for the passage of vehicles.

“SNOW DEPTH” the vertical height of snow accumulation measured from the road surface.

“SNOW REMOVAL” to remove snow from areas adjacent to municipal roads or sidewalks in order to ensure intersection site lines, drainage or snow storage areas.

“SNOW ROUTES” priority snow routes that have been established by the Director of Engineering & Public Works or designate, shown in Schedule A.

“WIDEN or WIDENED” at of removing or relocating snow from roadways to achieved curb to curb or edge of asphalt to achieve passible conditions.

1. SNOW REMOVAL – ROADS & SIDEWALKS

- 1.1. The commencement of snow removal shall be directed by the Director of Engineering & Public Works or designate. The commencement will be based on the snow depth exceeds the trigger of each listed in the various sections below.
- 1.2. The removal priorities are identified as follow (also shown in Schedule A):
 - 1.2.1. Priority One (High) Collector / Arterial Roads,**
 - 1.2.2. Priority Two (Medium) Central Business District,**
 - 1.2.3. Priority Three (Low) Local and Rural Roads,**
 - 1.2.4. Priority Four (Low) Sidewalks**
- 1.3. Arterial and Collector roads, steep grades, bus routes and major intersections are a high priority and only after plowing these areas will work commence on lower priority roads. Only after a passible condition has been achieved then work will commence on lower priority roads
- 1.4. Snow clearing in low priority areas such as subdivisions, sidewalks, public facilities, local roads and rural roads, etc. are left until normal weekday working hour. No overtime work is performed on low priority (Three & Four) areas.
- 1.5. Snow Removal shall only be undertaken in situations where lack of adequate storage prohibits the reasonable movement of vehicular and/or pedestrian traffic. During most winter seasons, Snow Removal will not be done.

2. COLLECTOR / ARTERIAL ROADS (Priority One, High)

- 2.1. 2.5 cm (1”) snow depth – sanding of intersections and roads with steep grades.
- 2.2. 7.5 cm (3”) snow depth – plowing and sanding of roads.
- 2.3. Snow routes priorities as shown in Schedule A.
- 2.4. Roadway plowing is generally completed within 12-48 hours of the end of the snow event; this is dependent on the severity of the event.
- 2.5. Roadways may be widened, subject to the availability labour and equipment, in January or February in order to allow safe two-way traffic movement, provide space for additional snow storage and address drainage concerns.
- 2.6. Snow is transferred to the side of the street opposite to the sidewalk.
- 2.7. A liquid anti-icing agent and may be applied before a snowfall to prevent the bond of snow and ice to the asphalt.
- 2.8. Moving onto priority two would only occur when priority one roads have successfully been cleared to ensure traveled lanes are passible

3. CENTRAL BUSINESS DISTRICT (Priority Two, Medium)

- 3.1. 2.5 cm (1”) of snow depth - treatment of salt to melt snow.
- 3.2. 7.5 cm (3”) of snow depth - attempts will be made to remove snow from roadways and parking lots in the early morning or evening hours in an effort to lessen the impact on businesses in the downtown area.
- 3.3. Snow route priorities as shown in Schedule A.
- 3.4. Snow may be plowed in sections where warranted and snow temporarily placed in parking stalls to lessen impact on traveling vehicles.
- 3.5. City may utilize contractors and contracted equipment to remove the snow from the downtown area.
- 3.6. Snow is hauled and dumped at designated snow dumps which will be confirmed each year.
- 3.7. Moving onto priority three would only occur when priority one and two roads have successfully been cleared to ensure traveled lanes are passible

4. LOCAL & RURAL ROADS (Priority Three, Low)

- 4.1. 2.5cm (1") of snow depth – sanding of intersections and steep grades.
- 4.2. 7.5cm (3") of snow depth – plowing of roadways with available labor and equipment.
- 4.3. Snow routes priorities as shown in Schedule A.
- 4.4. Roadways widened [same as Collector / Arterial].
- 4.5. Roadway plowing is completed after all Collector / Arterial roadways are cleared of snow
- 4.6. Snow maybe transferred to side of the street opposite the sidewalk.
- 4.7. Local & Rural roads are considered a low priority; no overtime work is performed on these areas, unless directed by the Director of Engineering & Public Works or designate.

5. SIDEWALKS (Priority four, Low)

- 5.1. The City clears snow from public sidewalks, walkways and stairs in the residential areas as shown in Schedule B.
- 5.2. Sidewalks are considered the lowest priority and are not cleared on weekends or on overtime situations, unless directed by the Director of Engineering & Public Works or designate.

6. DOWNTOWN DESIGNATED PARKING AREA

- 6.1. Sidewalk Snow and Ice control is the responsibility of the adjacent property owner/occupier [See Bylaw No. 2030].
- 6.2. Regulations advertised and enforced to comply with the regulations is done through City Bylaw Enforcement.
- 6.3. The City also owns property in this area; snow is cleared by City Parks Staff during regular working hours.
- 6.4. Sidewalks in front or City owned property in the downtown area are not cleared on weekends or on overtime situations.

7. PUBLIC FACILITIES (Priority four, low)

- 7.1. City clears snow from all sidewalks adjacent to public facilities, efforts will be made to complete this work during the City Parks Staff winter operations schedule.
- 7.2. Sidewalks fronting the facilities listed below are not cleared by City Staff on weekends or on overtime situations.
- 7.3. Snow clearing at the locations listed below may result in temporary windrows or snow being piled in various locations until such time arrangements can be made to have the snow removed.

- **City Hall, 500 – 2 Avenue NE**
- **RCMP Station, 1980 – 11 Avenue NE**
- **Public Works Building, 100 - 30 Street SE**
- **Salmon Arm Art Gallery, 70 Hudson Avenue NE**
- **Seniors Citizens Drop-In Centre, 31 Hudson Avenue NE**
- **Cenotaph, 50 Alexander Street NE**
- **Shaw Center (Ice Rinks), 2500 – 10 Avenue NE ***
- **SASCU Recreation Centre (Pool), 2550 - 10 Avenue NE ***
- **Little Mountain Sports Complex, 250 – 30 Street SE ***
- **SASCU Indoor Sports Complex, 351 – 3 Street SW ***

** Snow clearing at these facilities is done in partnership with the Shuswap Recreation Society and their scheduling.*

8. PARKING BANS

8.1. The Director of Engineering & Public Works or designate may implement temporary parking bans on City roads, as required, providing for operations. Areas where parking is to be banned will be signed in advance. Vehicles that do not adhere to the parking ban shall be towed and the owner of the vehicle will be responsible for all towing costs.

SCHEDULES

- A. Snow Clearing Priority Route Map;** Note: The Director of Engineering & Public Works or designate may update map and/or revise the priority routes based on staff and equipment availability or other emergent priorities.

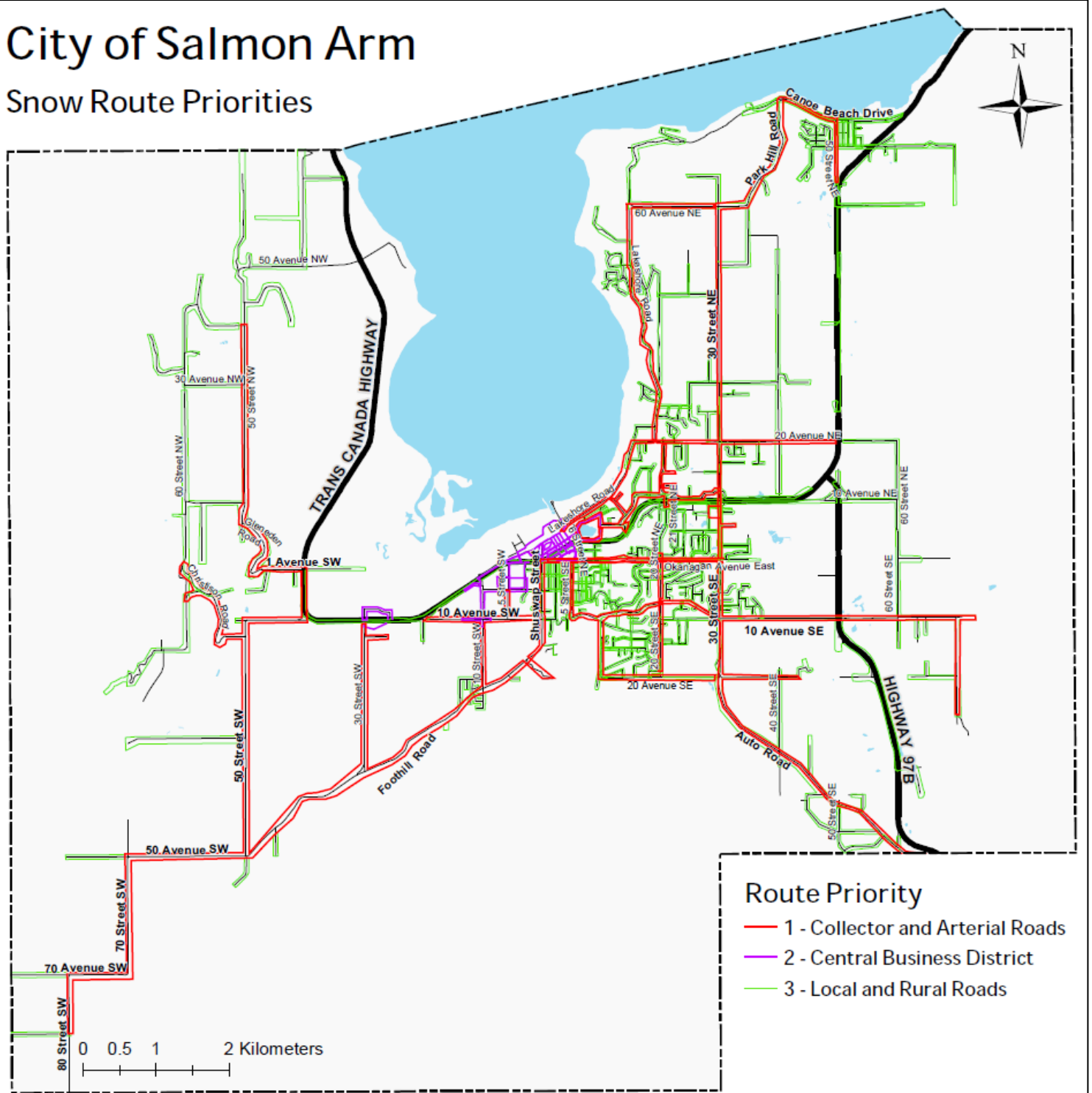
- B. Snow Clearing Sidewalk Map;** Note: The Director of Engineering & Public Works or designate may update map and/or revise the priority routes based on staff and equipment availability or other emergent priorities.

Prepared by: Director of Engineering & Public Works	Date: November 30, 2022
Approved by: Council	Date: December 12, 2022

SCHEDULE "A"
SNOW CLEARING PRIORITY ROUTE MAP

City of Salmon Arm

Snow Route Priorities



SCHEDULE "B" SIDEWALK SNOW ROUTES

