



City of
Courtenay

ZOOM Window Space

Snow & Ice Control City of Courtenay

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City of Courtenay
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Snow & Ice Control Program

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Program Overview

- Maintain a safe transportation network.
- Meet legislative requirements in addition to Council's LOS
- Prevent the accumulation of snow and remove it quickly.

Snow and Ice control along provincial highways is managed by MoTI and their contracted services.



Assets

Existing:

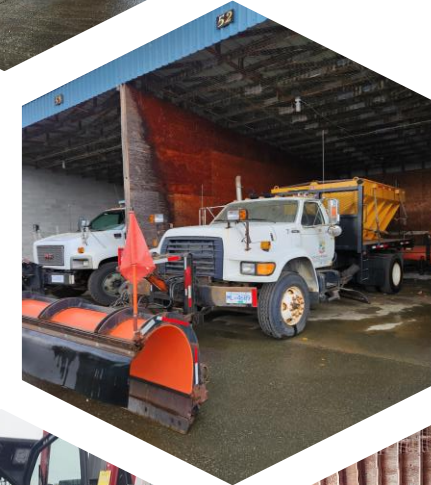
- Heavy Equipment: 14 Units
- Medium Equipment: 3 Units
- Small Equipment: 10 Units
- Salt and Sand Spreaders: 8 Units
- Truck Mounted Brine Units: 2 Units

New for 2025:

- 1 Medium Duty Plow / Sander Unit

Awaiting Delivery:

- 1 Heavy Duty Plow / Sander Unit



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When to De-Ice and Plow

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Asset Class	When does the City start to apply product (brine, or salt, or sand)?	How many hours does it take to apply product each round?*	When does the City start plowing?	How many hours does it take to plow each round?*	Required Outcome
Arterial roads	Before snow accumulates if temps are forecasted below 0°C without rain	3 hours (4 fleet vehicles)	Based on road conditions. Typically 2.5cm of snow accumulation	6-8 hours (6 fleet vehicles)	Bare pavement or centre bare
Major roads, transit routes and streets with hills	Before snow accumulates if temps are forecasted below 0°C without rain	3 hours (4 fleet vehicles)	Based on road conditions. Typically 2.5cm of snow accumulation	6-8 hours (6 fleet vehicles)	Bare pavement or centre bare
Local roads	By request	n/a	10cm of snow accumulation	14-20 hours (12 fleet vehicles)	Passable
Cul-de-sacs and lanes	By request	n/a	10cm of snow accumulation	24-36 hours from end of snowfall	Passable
Sidewalks	Before snow accumulates if temps are forecasted below 0°C without rain (DCBIA only)	3 hours	5cm if more than 10cm of snow accumulation is forecasted	48 hours from end of snowfall	Passable
Paved trails & paved multi-use paths	Before snow accumulates if temps are forecasted below 0°C without rain	3 hours	5cm if more than 10cm of snow accumulation is forecasted	48 hours from end of snowfall	Passable
Separated cycle tracks	Before snow accumulates if temps are forecasted below 0°C without rain	3 hours	5cm if more than 10cm of snow accumulation is forecasted	24 hours from end of snowfall	Bare pavement
Civic properties and public facilities	Before snow accumulates if temps are forecasted below 0°C without rain	3 hours	5cm if more than 10cm of snow accumulation is forecasted	24 hours from end of snowfall	Passable
Parking lots	Before snow accumulates if temps are forecasted below 0°C without rain	3 hours	5cm of snow accumulation	12 hours (2 fleet vehicles)	Bare pavement

*It may take multiple rounds to clear a road due to ongoing snowfall.

Road Clearing

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The City clears snow from roads in order of priority:

- Arterial and major collector roads, emergency services facilities, bus routes and the downtown core commercial area;
- Minor collector roads, streets with steep hills, and school zones;
- Local roads;
- Cul-de-sacs and lanes

Sidewalk and Walkway Clearing

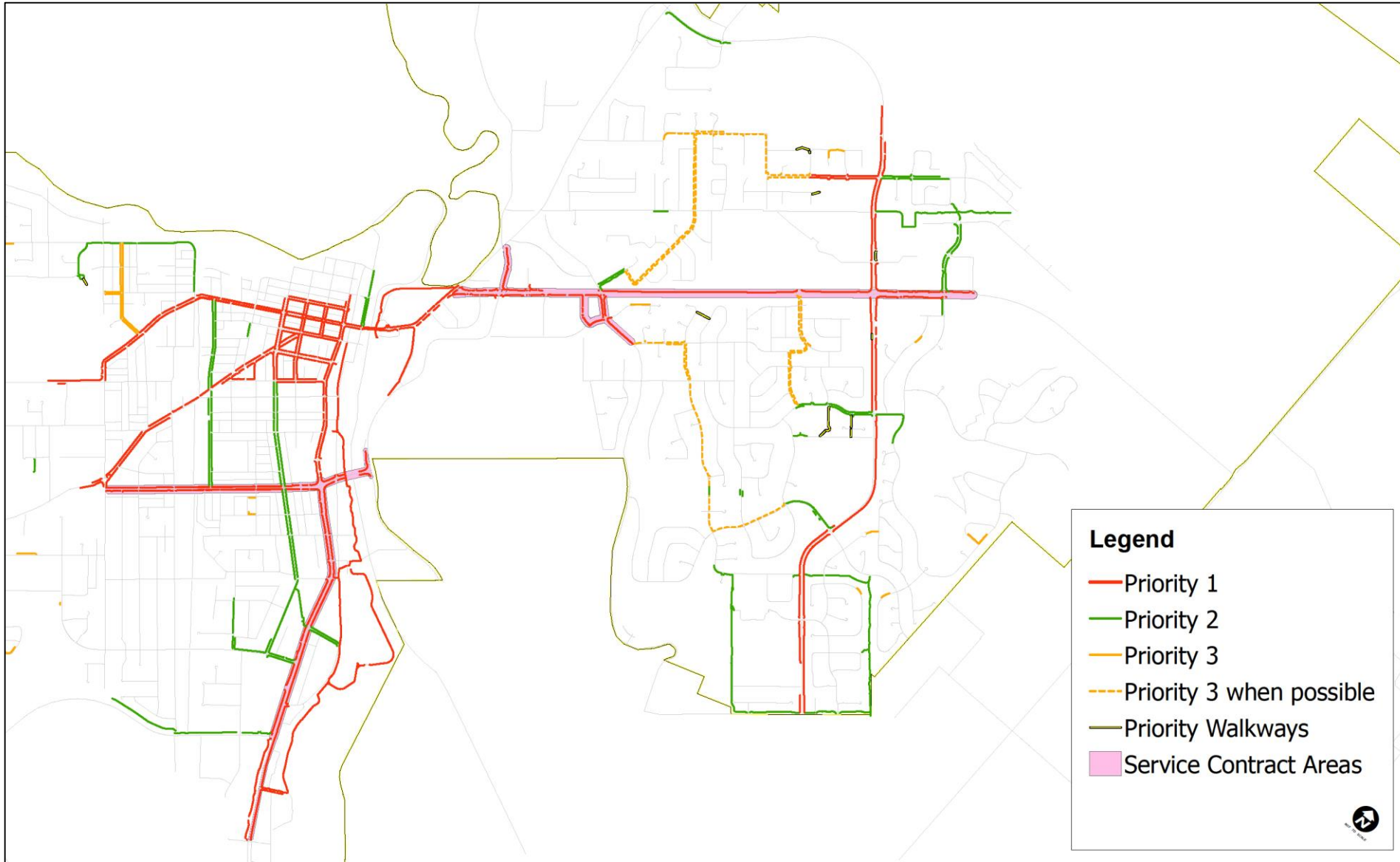
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High volume active transportation routes are cleared where mechanical clearing is possible:

- Arterial roads;
 - Downtown core;
 - Park frontages;
 - Transit areas;
 - Sidewalks adjacent to municipal facilities;
 - Separated bike lanes and prioritized paved walking trails.
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- Snow is also cleared from sidewalks on collector roads without residential homes where mechanical clearing is possible.

Sidewalk Clearing Map

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Public Works Week - Snow Plow Painting

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Automated Vehicle Locating

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The screenshot displays a web application interface for automated vehicle locating. At the top, there is a search bar and navigation options like 'Snow & Ice Control - Roa...', 'Assets', and 'Filters'. Below the search bar, a list of assets is shown on the left, and a map of Courtenay, BC is on the right. A pop-up window is open over asset 245, providing detailed information.

Asset ID	Status	Location	Last Update
032	No driver assigned	1009 10th St, Courtenay, BC V9N 1R5, Canada	1d 17h
034	No driver assigned	907 McPhee Ave, Courtenay, BC V9N 3A1, Canada	3d 5h
113	Cemetery		
115	No driver assigned	907 McPhee Ave, Courtenay, BC V9N 3A1, Canada	1d 8h
126	No driver assigned	1000 Piercy Ave, Courtenay, BC V9N 3E6, Canada	1h 30m
137	No driver assigned	2964 Royal Vista Way, Courtenay, BC V9N 9X3, Canada	3m
176	No driver assigned	1040 Piercy Ave, Courtenay, BC V9N 3E6, Canada	4m

245
Stopped. Arrived on 11/13/25 at 01:27:05 pm
Equipment, Utilities Services, Snow & Ice Control - Roads, Diesel
2025 JD Backhoe 410L

Asset Data Display
Outside air temperature: -1.00 C
Data unavailable: Odometer, Fuel level (percentage)

2948 Royal Vista Way, Courtenay, BC V9N 9X3, Canada, ROYAL VISTA WAY
General: 40 km/h