

Snow and Ice Control Policy

4A.009

Section: 4.0 Infrastructure Services
- A. Roads

Authority: Council

Administering Department: Infrastructure Services

Statement

The Municipal District of Bonnyville (M.D.) provides an efficient and cost-effective means of snow and ice control within its boundaries using a priority ranking system to ensure reasonable service. This snow and ice control program will help limit hazards in the community related to winter road conditions, balance environmental impacts, and facilitate operations for Emergency Services.

Purpose

To establish the guidelines for Administration to provide snow and ice control throughout the municipality thus support the public with as much mobility as possible during the winter months while striving to minimize the impacts on the environment.

Definitions

For the purposes of this policy:

- (1) "Council" means the duly elected Council of the M.D.;
- (2) "Single Pass" means the clearing of snow for one lane on a municipal road.

Policy

- (1) General
The objective of this program is for Infrastructure Services to keep M.D. roadways as safe as practically possible using the manpower and equipment allotted within the current year's budget as approved by Council.
- (2) Monitoring and Dispatch
 - (a) During normal working hours roads, hamlets, and the Bonnyville Regional Airport runway conditions will be actively monitored by M.D. staff and the decision to mobilize snow and ice control resources will be at the discretion of the Public Works Foremen and/or the Manager of Transportation.
 - (b) Outside of normal working hours, the M.D. will rely on the night shift staff (standby personnel), on-call Public Works Foreman, and/or Manager of Transportation to determine if the mobilization of snow and ice control resources are required.
 - (c) During weekends and holidays the on-call Public Works Foreman will mobilize resources as needed based on the weather and conditions that arise.

(3) Priority Maintenance

Within the respective grader beats, maintenance will be prioritized as follows:

- (a) Range Road 462 (aka the Resource Road) north of La Corey and the Bonnyville Regional Airport runway will be prioritized for snow and ice control.
- (b) Other areas given priority will be M.D. fire hall accesses and M.D. fire hall parking lots, M.D. hamlets and roads paved with hot mix asphalt, followed by cold mix/oiled gravel roads and then gravel roads.

Snow clearing plans will aim to maximize the efficiency of maintenance crews.

(4) Snow Clearing Service Level

Operational snow clearing will typically commence as follows:

- (a) Paved/oiled roads: Upon snow accumulation exceeding 5cm (2") and/or as conditions present themselves (i.e. drifting in excess of 5cm, steep inclines, etc.).
- (b) Bonnyville Regional Airport runway: At the same time as paved roads, with the exception that efforts are made to keep the runway clear of snow during regular business hours.
- (c) Gravel roads: Upon snow accumulations exceeding 10cm (4") and/or as conditions present themselves (i.e. drifting in excess of 10cm, steep inclines, etc.).
- (d) The M.D. will make the best effort to avoid plowing snow into driveways, however, property owners will be responsible for the clearing of driveways of snow left by the snow clearing equipment in front of their own property.

(5) Emergency

- (a) In the event of an extreme winter storm resulting in large amounts of snow accumulation and/or drifting, all municipal roads and fire hall accesses through parking lots will be opened with a single pass only within four (4) consecutive days from completion of the snow event.
- (b) Upon completion of the aforementioned single pass on all municipal roads the general snow plowing procedure will be implemented to complete secondary and subsequent plowing passes (including approaches and windrows).
- (c) In the event of an emergency, Infrastructure Services will endeavor to commence snow clearing for the required route upon receipt of a phone call from emergency services (ambulance, police, fire, etc.).

(6) Sanding/Ice Control

- (a) During normal working hours, sand will be placed when it is deemed as necessary to provide a reasonably safe driving surface at the discretion of the Sand/Truck Operator, the Public Works Foremen, and/or the Manager of Transportation. The decision as to whether or not sand is required on a roadway surface may be based on observation of various locations within the M.D.
- (b) When overall road conditions are determined to be icy, sanding will occur as follows:
 - (i) Hot mix asphalt surfaced roads will be sanded in their entirety, including intersections.

- (ii) Cold mix/oiled gravel surfaced roads will be sanded at intersections, inclines, and curves.
 - (iii) Other areas will only be sanded in reaction to site specific hazardous conditions noted by M.D. staff during their monitoring and maintenance activities.
 - (c) Gravel roads will not be sanded.
 - (d) At the Bonnyville Regional Airport, urea, or a substitute deemed suitable by Infrastructure Services, shall be used for ice control as opposed to sand.
- (7) Hamlets
- (a) Sidewalk Clearing
 - (i) Property owners shall be responsible for the clearing of sidewalks adjacent to their property in accordance with the M.D. Consolidated Public Safety Bylaw.
 - (ii) The M.D. will make the best effort to avoid plowing snow into driveways and on sidewalks, however, property owners will be responsible for the clearing of sidewalks and driveways of residual snow left by the snow clearing equipment in front of their own property.
 - (b) Roadway Sanding
 - (i) M.D. Infrastructure Services shall place sand on the following roadway locations, as required:
 1. school zone roadways;
 2. intersections and curves;
 3. inclines;
 4. areas that presents a high degree of pedestrian and vehicle interaction;
 5. other warranted roadways determined by the Public Works Foremen or Manager of Transportation, as required.
- (8) Environmental Considerations
M.D. snow removal practices are to be completed in compliance with the snow disposal guidelines set out by Alberta Environment and Parks.

Policy Review

Within five (5) years from date adopted / amended / reviewed.

For administrative use only:

Previous Policy Number: (prior to July 24, 2019)	30.32.08
Related Documentation: (plans, bylaws, policies, procedures, etc.)	Bylaw: Consolidated Public Safety Bylaw