

MUNICIPALITY OF THE DISTRICT OF ARGYLE POLICY AND ADMINISTRATION MANUAL	REFERENCE NUMBER _____
SECTION ADMINISTRATION	SUBJECT WINTER CLEARING STANDARDS

1. PURPOSE

- 1.1.** This Policy exists to establish the level of service the Municipality of Argyle plans to deliver for the winter clearing of roads and sidewalks under its responsibility for winter maintenance.

2. DEFINITIONS

- 2.1. “Priority 1 Roads (P1)”** means a main looped road network through a subdivision with a high volume of traffic or roads leading to a school or public utility plan.
- 2.2. “Priority 2 Roads (P2)”** means roads through a subdivision with a light volume of traffic or cul-de-sacs and gravel roads.

3. ROAD PERFORMANCE STANDARD

3.1. Salting

a) General Notes

- 3.1.a.1. Performance standards must be met whether a weather event is forecasted or not.
- 3.1.a.2. Contractors must be cognizant that icing conditions may develop through a number of means due to frost depth, wet roads, falling temperatures, flash freezing, black ice conditions and blowing snow.
- 3.1.a.3. Contractors must submit a detailed Salt Management Plan (SMP), and Anti Icing strategy with their bid.
- 3.1.a.4. The Municipality of Argyle is the sole judge of whether or not the performance standard has been met.
- 3.1.a.5. The substitution of sand in salt sections must only be done when salting is no longer effective and with the approval of the Municipality of Argyle’s contract manager.
- 3.1.a.6. When black ice or flash freeze conditions are present, the contractor is required to have enough equipment dispatched within 1 hour to service all P1 roads within the turnaround service standard timeline.

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Street Type	Start Time	Turnaround	Finish Condition	Comments
Priority 1	Pre-salt as per SMP or immediately if event is un-forecasted	3 hours	Bare pavement curb to curb within 3 hours	All P1 roads are to receive service within the 3hr timeline
Priority 2	Within 6 hours after street has been cleared	N/A	2m centerline bare.	Turns centerline bare for 4 meters

- b) Freezing rain conditions will require immediate and continuous response on all road classifications until conditions improve and bare pavement achieved.
- c) In areas with no curbs, road shoulders will be cleared.
- d) Spot salting is required for any icy conditions. Repeated applications as required until conditions are made safe.
- e) Salt only is to be applied in salt areas. Any substitution with sand must be approved by the Municipality of Argyle.
- f) Pre-salting is to be completed prior to a forecasted snow event.

3.2. Plowing

a) Priority One Roads

Road Type	Turnaround	Anti-icing	Start Time	Time to Clear (from end of snow)	Lane Width	Finished Condition
P1	3 hours maximum	Yes	Immediately as the snow starts	24 hours	shoulder to shoulder	Bare pavement full width

- 3.2.a.1. Roads may require repeat plowing/sanding/salting to achieve finished condition. It is the Contractor's responsibility to ensure ongoing and repeated application of salt and or sand in order to achieve the prescribed level of service and finished condition.
- 3.2.a.2. Cut-through is defined as the clearing of the plow curl at the street intersection to allow traffic access and 6 meter wide plowed traveled way to allow access for residents.
- 3.2.a.3. Special care must be taken when plowing gravel roads when ground conditions are soft.
- 3.2.a.4. Some conditions (i.e. blowing/drifted snow) may require an additional cut-through to maintain access.

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- 3.2.a.5. All ice/snow pack is to be removed once it reaches a depth of 5 cm. Certain conditions may prevail which will require that ice/snow pack be bladed, shaved or scarified to ensure the road remains safely passable, including the elimination of ice potholes. This work is included in the contract pricing.

b) Priority Two Roads

Road Type	Start Time	Time for Cut-Through Completion	Time to Clear (from end of snow)	Finished Condition	Comments
Local Residential	No later than after 10cm accumulation	6 hours and a minimum of every 8 hours following during extended periods of snow.	24 hours	Snow covered with a minimum 2m centreline bare	All snow must be removed by mechanical means before salting.
Cul-de-sacs	No later than after 10 cm accumulation Loader(s) or similar type equipment will be required (for snow movements and placement) for all major events (15+ cm) or multiple/subsequent events (5-15 cm).	6 hours and a minimum of every 8 hours following during extended periods of snow.	24 hours	Snow covered Passable	Use of a Loader(s), a mini loader(s) or a tractor(s) will be required for major events or multiple/back to back average events in order to move snow as required and to ensure ongoing access in and out for all homes within the cul-de-sac as per required cut-through times and completion.
Gravel Roads	No later than after 10 cm accumulation	6 hours	24 hours	Snow covered Passable	See note 4.4.

- 3.2.b.1. Cut-through is defined as the clearing of the plow curl at the street intersection to allow traffic access and 6 meter wide plowed traveled way to allow access for residents.

- 3.2.b.2. Special care must be taken when plowing gravel roads when ground conditions are soft.

- 3.2.b.3. Some conditions (i.e. blowing/drifting snow) may require an additional cut-

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through to maintain access.

- 3.2.b.4. All ice/snow pack to be removed once it reaches a depth of 10cm. Certain conditions may prevail which will require that ice/snow pack be bladed, shaved or scarified to ensure the road remains safely passable, including the elimination of ice potholes. This work is included in the contract pricing.

4. SIDEWALK PERFORMANCE STANDARD

4.1. Plowing and De-Icing

Type	Start Time	Time to Clear & De-Ice (from end of snow)	Width	Finish Condition	De-Icing Maintenance	Comments
Priority 1	After snowfall accumulation has stopped	24 hours	Full Width	Cleared surface Full width	Monitored and completed as required	
Priority 2	After snowfall accumulation has stopped	72 hours	Full Width	Cleared surface Full width	Monitored and completed as required	Sections of sidewalk not connected with main pedestrian routes.

- a) Work must be completed to reduce risk of snow collapsing along sidewalk routes when snow banks on each side of the travel path are higher than 1m vertical height. No snow can be deposited into the street to achieve this, unless it will be removed within the same calendar day.

4.2. Snow Removal

Street Type	Condition	Duration to Complete
Designated Crosswalks	Removal after each 20 cm of accumulation (piles at intersections and all snowbanks for 3 meters in each direction).	72 hours from end of snowfall.

- a) The Municipality will not be responsible for removing snow that accumulates on private driveways as a result of sidewalk clearing.

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Chief Administrative Officer's Annotation for Official Policy Book

Date of Notice to Council Members: December 11, 2018
Of Intent to Consider [7 days minimum]: January 8, 2019

Date of Passage of Current Policy:

I certify that this Policy was adopted by Council as indicated above.

Original Signed
Warden

Feb 19, 2019
Date

Original Signed
Chief Administrative Officer

Feb 19, 2019
Date