



Policy #4018

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Policy Title: Snow Removal and Ice Control Policy

Policy No.: 4018

Approval: County Council

Effective Date:

Supersedes Policy No.: Section C (9) – Public Works

Policy Statement: Mountain View County will have a clear process for providing snow and ice control on the County Road System.

Purpose: The Snow and Ice control process will provide an effective priority management system for the implementation of snow and ice control.

Principles:

1. Identify the priority of the order that snow and ice control measures will be implemented on the County Road System.
2. Identify the snow accumulation amounts that will cause the commencement of snow and ice control operations.
3. Identify the need to provide snow and ice control on the airports under the care and control of the County.
4. Identify the issues and mitigative measures concerning snow and ice control operational issues such as insurance, road side hazards, overtime, and contract operations.

End of Policy

Approved: November 26, 2014



Mountain View
C O U N T Y

Procedure # 4018-01

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Procedure Title: Snow and Ice Control
Procedure No.: 4018-01
Approval: CAO
Effective Date: March 13, 2012
Supersedes Procedure No.: Section C (9) Public Works

1. Definitions

- 1.1 Chief Administrative Officer (CAO) – means the CAO of Mountain View County or his delegate.
- 1.2 County – means Mountain View County.
- 1.3 County Collector Network (CCN) – means Mountain View County’s officially recognized road network for which long-term plans for maintenance and/or upgrading exists and may include asphalt paved, chip-sealed, and gravel roads.
- 1.4 Hard Surface – means asphalt pavement, concrete or chip-sealed surface.
- 1.5 Industrial Roads – mean roads which have been identified that have access roads leading to commercial or industrial operations.
- 1.6 Local Roads – mean roads which service subdivisions, local residential areas, agriculture community, and rural roads.
- 1.7 Multi-lot Subdivision – means a subdivision of two (2) or more lots.
- 1.8 Opened Road – means a road which has been made passable by snow plowing equipment but may still require widening or additional work to be fully functional.
- 1.9 Quadrants – means local Foreman areas as follows: Quadrant 1 is the south-east area, Quadrant 2 is the north-east area, Quadrant 3 is the north-west area, and Quadrant 4 is the south-west area of Mountain View County.

2. Service Levels

- 2.1 Snowplowing and removal shall follow the list of priorities and triggers, as outlines in Table 1 below.
- 2.2 Mountain View County Operations is broken into four (4) Foreman Quadrants. Inside each Quadrant, there are assigned snow and ice control routes for our drivers. Each Foreman is responsible to ensure the completion of the routes and the safety of their crews.
- 2.3 The County is responsible for the Sundre Airport. The County will perform winter maintenance activities at the airport to ensure that any of the airports’ facilities, whose condition constitutes or has the

potential to create an unsafe condition, will be cleared of snow, ice, slush and hazardous slippery conditions to ensure the safety of the travelling public and other airport users. The Olds-Didsbury Flying Association is responsible for the snow and ice control operation of the Olds-Didsbury Airport. See Addendum 1-Small Airport Winter Maintenance.

- 2.4 Ice control will be provided on an ongoing basis during snow events, frost, freezing rain, or any other event that impeded traction control. Abrasives will be applied to Hard Surface roads on hills, curves, intersections, and bridge decks where warranted. Ice control operations typically follow the priorities outlines in Table 1 below.

Table 1:

Priority	Location	Trigger	Goals
1	County Collector Network (CCN) (minor and major) Hills, bridges, super-elevated curves	5cm (2") Surface accumulation	To be Opened within 24 hours of commencement of snow removal operations. Widen roads within 72 hours of last measurable snow accumulation.
2	Industrial Roads	5cm (2") Surface accumulation	To be Opened within 24 hours of commencement of snow removal operations. Widen roads within 72 hours of last measurable snow accumulation.
3	Local Roads	10cm (4") Surface accumulation	To be Opened within 72 hours of commencement of snow removal operations. Widen roads within 96 hours of last measurable snow accumulation.
4	Multi-lot Subdivisions and Community Halls	Discretionary	From commencement of Priority 4, to be Opened within 72 hours. Widen roads within 96 hours of last measurable snow accumulation.

NOTE: Priority 2 will be commenced after Priority 1 is completed. If necessary, (i.e.: if snowfall becomes continuous and exceeds the allowable accumulation) resources may be rotated back to a higher priority without finishing a lower priority.
EXAMPLE: A Priority 3 may be stopped mid-stream to commence a Priority 1.

- 2.5 In the case of a severe event, the Director of Operational Services, in consultation with the CAO, will be authorized to utilize County equipment and staff for extended hours of operations.
- 2.6 The hiring of contract equipment will only be considered when full utilization of County equipment is unable to open the road in a satisfactory manner, as decided by the levels of service, Director if Operational Services and in consultation with the CAO.
- 2.7 If contract services are used, County equipment will continue to operate on a regular basis until service levels are met.

- 2.8 The County will utilize preventative measures wherever possible to mitigate snow accumulations on roadways (i.e.: clearing roadside brush and trees, installation of snow fencing).
- 2.9 The County will not provide snow clearing service on closed, leased, or semi-private roads or private driveways/laneways, other than for life or property that is in imminent danger and initiated by emergency service agencies (i.e.: medical, fire, police, gas/electrical companies).
- 2.10 As part of regular snow plowing operations, plows and graders will inevitably leave windrows across approaches into private properties. Although operators will try to mitigate the size of the windrows wherever possible, it is not expected that the County will remove the windrows or plow the approaches.
- 2.11 Mailboxes, including Canada Post Multi-Mailboxes, are the property owner's responsibility to clear snow from a mailbox and/or repair. When plowing snow, mailboxes are sometimes blocked and/or damaged by snow removal and ice control operations.
- 2.12 Claims will not be considered by the County for property damage to structures or vegetation on private property or to vehicles on County roads as a result of the snow coming off the plow blade or sanding material spread by the equipment during snow and ice control operations.
- 2.13 All equipment being utilized for snow and ice control operations will be called off the roads during unsafe conditions as determined by the Director of Operational Services or his designate.

3. Materials

- 3.1 All winter abrasives follow Alberta Infrastructure Specification of up to 8mm sand with a 5 to 8% salt mixture.

4. Limitations

- 4.1 Service levels may be impacted by the following:
 - Available resources
 - Council-approved budget
 - Equipment failures
 - Extreme weather conditions
- 4.2 The County Operations Department will make necessary adjustments to service levels when the above-noted limitations are encountered.

ADDENDUM 1

Small Airports and Winter Maintenance

A. Olds-Didsbury Airport

The Olds-Didsbury Flying Association is responsible for the snow and ice control operations at the Olds-Didsbury Airport.

B. Sundre Airport

1. The County will commence snow and ice control operations at the Sundre Airport following completion of the regular snow removal on the County Road System.
2. The County will remove snow, ice, slush and drifts from runway(s) in use, including the snow from around the runway lights, taxiways serving runway(s), apron(s), holding bay(s), and any emergency area(s) that exist or are deemed by Mountain View County.
3. The County will cooperate with the Province and other agencies and commence snow and ice control operations within a four (4)-hour notification for any unscheduled flights.
4. The County will cooperate with medevac flights and other emergency flights, where loss of life or limb is imminent, by immediately performing snow and ice control operations for safe landing, taxiing or take-offs.
5. Mountain View County will at no time during snow and ice control operations vacate the clearing area and leave a windrow or buildup of snow, ice, slush, or any ruts on the runway, taxiway, apron or other surface that would affect the safe operation of an aircraft while landing, taxiing or taking off.

End of Procedure

Approved: March 13, 2012
Amended: November 26, 2014

