

Winter Control Plan

WINTER CONTROL PLAN – ROADWAYS

I. OBJECTIVE

The objective of the Winter Control Plan, is to define standards to be maintained and procedures to be followed, to reduce the hazards resulting from winter snow and ice, in order to maintain the Township's roadways in a safe condition.

Winter control standards establish levels of service for snow and ice control across the Township, for various classes and priorities of roadways, to ensure the safe and efficient movement of people, goods and services, through out the community. The standards recognize the difference in traffic conditions and associated required risk management, on the various classes of roadways. Additionally the standards indicate the levels of service may not be met until after the cessation of a winter storm or snowfall event.

Winter control procedures indicate the actions to be taken in order to maintain the above noted standards. The procedures, in conjunction with the standards, recognize that winter control measures cannot be carried out on all roadways at the same time, and due to the associated required risk management, must follow the priorities as defined by the classifications of the roadways.

II. RESPONSIBILITIES

The Public Works Manager is ultimately responsible for winter control operations with the Township of Central Frontenac. The Public Works Superintendent (or Area Supervisors if changes are not made) reporting to the Public Works Manager is directly responsible, for winter control operations and has the front line management level responsibility, for directing the winter control operations.

Winter control operations are carried out by a combination of full-time and *four month term* Public Works Employees, supplemented by contracted service providers.

III. WORK LOCATIONS

All Public Works staff, will generally work out of the Mountain Grove Garage and the Godfrey Garage. Equipment and materials will be stored at the Mountain Grove Yard and the Godfrey Yard.

IV. CONTRACTS

For the winter season, tenders will be used for the issuance of contracts to supplement the winter control as required by advertisement in the Frontenac News and or the Gazette as well as the Web Site. Advertising for term employees will be done in the aforementioned manner. Successful applicants will be required to sign a term contract.

The Plowing and Sanding contractor, is under the direction of the Public Works Supervisor, and initiates operations upon being called out by the Supervisor. The contractor is required to carry out operations as may be directed by the Supervisor and it is the contractor's responsibility to meet the standards and follow the procedures as defined in this Winter Control Plan. The contractor's operations must be carried out in a timely fashion and hours of operation must be approved by the Public Works Supervisor.

V. ROADWAY CLASSIFICATIONS

On November 1, 2002, Ontario Regulation 239/02, came into effect. This Provincial regulation sets out "Minimum Maintenance Standards for Municipal Highways. This regulation includes minimum maintenance standards for "snow accumulation" and "icy roads", both Winter Control concerns.

The levels of service for the minimum maintenance standards, vary according to the classification of the road, street or highway. The standards classify roads/highways based on Average Annual Daily Traffic (AADT) and on the posted or statutory speed limit.

Resolution #46-2004 adopted the following "Level of Service" for winter control

Depth of snow accumulation that triggers plowing DURING the storm:

Road Classification	Snow Depth
3	2.5 cm. (1 in.)
4	5.0 cm (2 in.)
5	7.5 cm (3 in.)
6	10.0 cm (4 in.)

Depth of snow accumulation that triggers plowing AFTER the storm:

Road Classification	Snow Depth	Response Time
3	up to 2.5 cm.	up to 12 hours
4	up to 5.0 cm	up to 16 hours
5	up to 7.5 cm	up to 24 hours
6	up to 10.0 cm	up to 36 hours

Deploy and treat icy roadways after becoming aware the road is icy:

Road Classification	Time
3	6 hours
4	12 hours
5	16 hours
6	24 hours

VI. ROADWAY SERVICE STANDARDS

Class Winter Hazard		Description
Class 3	Snow Accumulation	The objective is essentially centre bare pavement, to be reached as soon as possible, after a storm has ended, and normally within sixteen (16) hours.
Class 3	Icy Road	The objective is to treat the icy roadway as soon as practicable after becoming aware that the road is icy, and normally within Twelve (12) hours.
Class 4	Snow Accumulation	The objective is to make the road as safe as possible, to be reached as soon as possible, after a storm has ended, and normally within twenty-four (24) hours.
Class 4	Icy Road	The objective is to treat the icy roadway as soon as practicable after becoming aware that the road is icy, and normally within Sixteen (16) hours.

VII. RECORDS

A daily summary shall be maintained identifying the times that equipment is deployed and noting when the Level of Service Objectives have been met. This information will be reviewed annually in order to compare performance against service levels.

VII. NOTES

1. It is acknowledged that conditions may occur which temporarily prevent achieving the levels of service as detailed in this document. In such cases, attempts will be made to keep the Class 3 road as clear as possible by utilizing all maintenance equipment at maximum efficiency
2. Winter operations will continue until the prescribed level of service is achieved where conditions permit. Should conditions not permit accomplishment of the prescribed level of service, operations shall continue as required to maintain as good a driving service as possible.