

S-33
**WINTER CONTROL SNOW PLOWING, SALTING AND
SNOW REMOVAL ACTIVITIES**

TABLE OF CONTENTS

33.01.	SCOPE OF WORK.....	1
33.02.	REFERENCES.....	1
33.03.	MATERIALS.....	1
33.04.	EQUIPMENT.....	2
33.05.	OPERATIONS.....	2
33.06.	PUBLIC SAFETY.....	4
33.07.	MEASUREMENT FOR PAYMENT.....	4
33.08.	BASIS FOR PAYMENT.....	4

33.01. SCOPE OF WORK

This specification shall cover the plowing, salting and removal of accumulated snowfall during various weather events during the applicable months when inclement weather occurs with below freezing temperatures. This specification shall also cover the various salting requirements that are in conjunction with the snow plowing process.

33.02. REFERENCES

This specification refers to the following standards, specifications, or publications:

- City of Windsor – Salt Management Plan
- City of Windsor – Winter Maintenance Manual
- Ontario Traffic Manual – Book 7 - Temporary Conditions

33.03. MATERIALS

The City of Windsor shall supply the Contractor with all course highway rock salt required to perform the requirements set forth under this specification. The Contractor shall be will be required to pick up the above material at the Public Works Department – Crawford Yard located at 1531 Crawford Avenue or Environmental Services Yard at 3540 North Service Road as directed by the City Engineer.

33.04. EQUIPMENT

The Contractor shall supply all equipment necessary to perform the operations set forth in this specification. The equipment shall be in good working condition and operated by a competent person fully trained in its use and limitations.

The Contractor shall provide all their Operators with cellular communication devices to allow them to stay in contact with the City Engineer at all times while working for the City of Windsor.

When available and directed by the City Engineer, the City of Windsor shall provide the necessary traffic control equipment required by the Ontario Traffic Manual – Book 7 – Temporary Conditions.

Should the City of Windsor's traffic control equipment be unavailable for use by the Contractor, the Contractor will then be required to supply the necessary traffic control equipment required by the Ontario Traffic Manual – Book 7 – Temporary Conditions.

33.05. OPERATIONS

33.05.01 Sidewalk Snow Clearing and Salting

The Contractor shall commence the work only when directed by the City Engineer.

Mapping of the sidewalks and bridges to be cleared of snow and then salted by the City, will be provided to the Contractor by the City Engineer.

The Contractor shall take all necessary precautions to avoid the stockpiling of snow on private property.

33.05.02 Bus Stop Snow Removal and Salting

The Contractor shall commence the work only when directed by the City Engineer.

Mapping of the streets with bus stops to be cleared of snow and then salted by the City, will be provided to the Contractor by the City Engineer.

Cleaning of the bus stops will require the Contractor to be working in a closed lane of the roadway. Work will not commence until the Contractor has a Traffic Protection Plan in place and must carry the TPP with them at all times while performing said work.

All Traffic Protection Plans are to be setup and executed as per the Ontario Traffic Manual – Book 7 – Temporary Conditions.

If required, snow that is removed from the bus stops shall be disposed of at a location as directed by the City Engineer.

33.05.03 Residential Street Snow Plowing

The Contractor shall commence the work only when directed by the City Engineer.

Mapping of the streets to be cleared of snow will be provided to the Contractor by the City Engineer.

Roadways shall be cleared of snow from curb to curb unless otherwise directed by the City Engineer. Every effort will be made by the City Engineer to notify the residents that their vehicles parked on the roadway must be removed. In light of this effort, some vehicles will remain on the roadway. The Contractor shall make every effort to avoid the parked vehicles and should the Contractor damage any vehicles, they must notify the City Engineer and the Windsor Police Department immediately. Care must be taken by the Contractor to avoid 'burying' any parked vehicles and to evenly distribute the snow removed from the roadway in the boulevard portion of the right of way.

The Contractor shall make every effort to avoid driving equipment off the paved surface of the road and therefore damaging grassed areas of the public right-of-way while undertaking the plowing operation. Any damage done to the public right-of-way or to private property by the Contractor must be reported immediately to the City Engineer.

33.05.04 BIA Street/Sidewalk Snow Removal

When directed by the City Engineer, the Contractor shall be required to remove snow from the parking spaces and sidewalks in areas located on various BIA's within the City of Windsor.

This stockpiled snow being removed from the areas adjacent to the curb and sidewalk is the result of what the City of Windsor has cleared off the roadway during the regular Winter Control street clearing operation.

The roadway will be closed to through traffic on a block-by-block basis to allow the cleaning operation. This will be undertaken by having smaller equipment push the snow out onto the roadway and then use larger equipment to load the snow into trucks to be hauled off site.

Twelve (12) hours prior to the removal operation commencing, the City Engineer will post the required signage to restrict parking in all areas that will have snow removed.

The City Engineer will then have the Windsor Police Department remove all the parked vehicles from the roadway immediately prior to commencement of the operation.

The Contractor shall exercise caution in working around any pedestrians using the municipal sidewalk as well as any fire hydrants, utility poles, street furniture, streetscape aesthetics and parking meters. Any damage caused by the negligence of the Contractor will be repaired at the Contractors expense.

This snow must be removed from the site and disposed of at a location as directed by the City Engineer.

33.06. PUBLIC SAFETY

The Contractor shall make public safety the highest priority when undertaking the snow removal process in the public right-of-way.

The Contractor shall NEVER cover over any fire hydrants with snow while performing the snow plowing or snow removal operation. Should this situation occur while undertaking the snow plowing or snow removal operation, the Contractor will be removed from the site without payment for the day's work and will also be removed from the Winter Control snow removal equipment list.

When clearing and salting municipal sidewalks and bridges, the Contractor shall be aware of pedestrians using the sidewalks and bridges and perform their operation to ensure the safety of the pedestrians. Should the Contractor fail to perform their operation in a manner that ensures safety to the pedestrians, the Contractor will be removed from the site without payment for the day's work and will also be removed from the Winter Control snow removal equipment list.

When plowing municipal streets, the Contractor shall be diligent in where they stockpile snow removed from the pavement. Stockpiled snow shall not be piled at any location that will reduce the sightlines for vehicles using the municipal roadways or private driveways. Extra care must be exercised at intersections so that vehicles will have clear sightlines of oncoming traffic. Equipment should never be on any surface other than the pavement when clearing municipal roadways. Damage to curb, driveways and grassed areas should be avoided and if careless damage occurs while undertaking this operation, the Contractor will be removed from the site without payment for the day's work and will also be removed from the Winter Control snow removal equipment list.

33.07. MEASUREMENT FOR PAYMENT

The Contractor shall be paid an hourly rate per piece of equipment used for the snow plowing, snow removal and salting operation.

The Contractor shall submit daily reports with their starting and stopping time for each piece of equipment used. These reports will be signed off by the City Engineer for the daily activities of the equipment.

Failure to have the reports signed will result in the report being rejected for payment by the City Engineer.

33.08. BASIS FOR PAYMENT

The hourly equipment rate shall be based on the current rates submitted by the Contractor in the Form of Tender for the City of Windsor's Equipment Tender Rental.