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## **TRAFFIC CONTROL**

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### **PART 1 GENERAL**

- 1.01 OTHER CONTRACT DOCUMENTS    The General Conditions of the Contract, General Requirements and Supplemental Conditions attached hereto shall apply to and be a part of this Section.
- 1.02 DESCRIPTION OF WORK        The Work described herein shall be for the supply, erection and maintenance of traffic control devices and other safety measures to ensure the safe movement of pedestrians and vehicular traffic at and adjacent to the Site.

### **PART 2 PRODUCTS**

- 2.01 TRAFFIC CONTROL DEVICES    The design and dimensions of traffic control devices shall conform to the requirements of Part D - "Temporary Conditions, Signs and Devices" of the most recent edition of the of the "Uniform Traffic Control Devices For Canada." All owned, rented or borrowed traffic control signs, delimiters, barricades, and hazard boards shall be clearly marked with the Contractor's name, address and telephone number and shall be reflectorized to show the same colour and appearance at night as by day. Reflective sheeting shall be "Scotchlite" or a material approved by the Engineer.

Flashing beacons, lights and signals shall be electrically powered signals having a lens of not less than 170 millimetres in diameter and shall conform to the Institute of Traffic Engineers colour standard for yellow lenses and shall be clearly visible in daylight, under normal atmospheric conditions, from a distance of 300 metres.

The flash rate shall not be less than fifty, or more than sixty flashes per minute. The light shall be illuminated between forty percent (40%) and sixty percent (60%) of the total flash cycle.

During winter conditions, flashing beacons other than those powered by batteries, shall be supplied if requested by the Engineer.

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**PART 3 EXECUTION**

**3.01 INSTALLATION**

Where the Work affects or in any way interferes with the normal flow of traffic on any roadway, the Contractor shall prior to commencing any operations supply, erect, move and maintain all traffic control devices as required and/or supplied by the Engineer or Traffic Authority, until the Final Completion of the Work.

All traffic control devices shall be conspicuously posted on the right hand side of the roadway at a height of two (2) metres from the road surface and not less than two (2) metres or more than four (4) metres from the edge of the travelled portion of the roadway. All such signs erected in accordance with this Section shall be removed and/or covered during periods when the advice or warning contained thereon is not applicable. Signs that are obscured, defaced, damaged or dirty shall be repaired, replaced or cleaned without delay.

**3.02 TRAFFIC NOT  
DETOURED**

The Contractor shall comply with the requirements of all Acts, Regulations and By-Laws in force for the regulation of traffic or use of roadways upon or over which it is necessary to carry out the Work, transport materials or equipment. When working on a travelled way, the Contractor shall place all equipment in a position to present a minimum of interference and hazard to the travelling public; keep equipment as close together as working conditions will permit and preferably on the same side of the travelled way. And do not leave equipment on the travelled way overnight unless approved by the Engineer.

Traffic not detoured shall be permitted the use of the roadway at all times and the Contractor shall maintain the roadway and perform the Work so as to create a minimum of interference with pedestrian and vehicle traffic.

When Work is performed within public areas, the Contractor shall supply and install adequate warning and traffic signs as may be necessary to provide the public with adequate warning. The Contractor shall place the warning and traffic signs sufficiently in advance of the Work, to enable the public to respond to directions.

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If in the opinion of the Engineer, damage is being done to public roads by the Contractor's equipment, the Contractor shall, remove the cause of the damage.

All haul routes and hauling on City streets shall be approved by the Engineer. The haul routes shall be maintained in a clean condition at all times at the Contractors expense.

3.03 TRAFFIC  
DETOURED

In all cases where construction work interferes with the normal use of a roadway provisions shall be made either to detour the traffic or to afford it the use of the roadway.

If directed by the Engineer, a roadway may be closed to all traffic. The Contractor shall provide and maintain a passable detour route around the Site and an adequate means of egress and ingress for local traffic to access adjacent properties along or in the vicinity of the Work. The detour shall be well graded gravel or a paved surface free of pot holes and of sufficient width to accommodate the anticipated traffic volumes. The Contractor shall comply with all the provisions contained in Part D of the Uniform Traffic Control Devices For Canada." regarding traffic control devices and flag person.

3.04 FLAG PERSON

If, in the opinion of the Engineer, a flag person are required, to protect the Work and vehicular traffic, they shall be provided and equipped by the Contractor. Each flag person shall be dressed and properly equipped as required by the Department of Workplace Safety and Health and shall be familiar with the standard procedures of traffic control flagging.

The Contractor shall provide not less than two (2) flag persons at each location where loading or depositing of material requires the turning of trucks or other equipment on the roadway; or where the operation of construction equipment, deposited stockpiles or materials on or adjacent to the roadway; or the leaving of equipment on or adjacent to the roadway endangers the safety of the travelling public; or where it is necessary to institute one-way traffic system through the construction area; or other blockage where traffic volumes are heavy, approach speeds are high and traffic signal system is not in use; or where public traffic is required to pass working vehicles or equipment which may block all or part of the travelled roadway.

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**3.05 ARTERIAL AND  
COLLECTOR  
STREETS**

Roadways that are designated as arterial and collector streets shall not be closed or partially blocked except for the actual carrying out of Work and such closure or blockage shall be as brief as possible. When an arterial or collector street is closed, a signed detour is required during the closure.

At no time shall any one city block be isolated from emergency services except during the actual carrying out of the Work.

Arterial Streets

1st Street, 17th Street East, 18th Street, 34th Street, 49th Street, Grand Valley Road, Kirkcaldy Drive, Princess Avenue, Richmond Avenue, Rosser Avenue, Smithfield Road, Victoria Avenue, Victoria Avenue East, PTH No.1, PR 344.

Collector Streets

6th Street, 8th Street Bridge, 9th Street, 10th Street, 13th Street, 26th Street, Aberdeen Avenue, Braecrest Drive, Brandon Avenue, Cater Drive, Centennial Boulevard, Douglas Street, Durum Drive, Elderwood Drive, Fotheringham Drive, Governor's Road, Knowlton Drive, McDiarmid Drive, McDonald Avenue, Maryland Avenue, Pacific Avenue, Park Avenue, Parker Boulevard, Parkdale Drive, Princess Avenue, Princess Avenue East, Queens Avenue, Rosser Avenue West, Rosser Avenue East, Stickney Avenue, Whillier Drive, Willowdale Crescent.

**3.06 STREET SIGNS**

All signs on City of Brandon property, by whomsoever owned, which must be moved to facilitate the Work, shall be taken down stored, and promptly restored with particular attention being given to traffic regulatory signs. If conditions do not permit prompt restoration of signs, the Contractor shall carefully remove the signs and posts from the Site and store them in a secure location until they can be installed. The Contractor shall be fully responsible for all shall pay the cost of restoration, repair and replacement of any sign damaged while in his care and custody.

END OF SECTION