

Part 1 General

1.1 USE OF SITE

- .1 Area of work and staging area: as indicated.
- .2 Park only in areas designated by Departmental Representative.
- .3 Maintain existing services to bridge and provide for personnel and vehicle access.
- .4 Provide fencing, secure storage and access control for safety and to prevent mischief and vandalism.
 - .1 PWGSC assumes no responsibility and will not grant leniencies for time or money lost due to mischief or vandalism.
- .5 Maintain safe access to and egress from work site throughout duration of work, including snow removal and de-icing of staging area and area of work.
- .6 Securely store materials and equipment and clean work site at end of each work day.

1.2 TRAFFIC CONTROL

- .1 Provide and maintain traffic control in accordance with Section 01 35 00.01 TRAFFIC CONTROL – BRIDGES.
- .2 Provide traffic control requirements to Departmental Representative 10 days in advance of work to allow for coordination with other projects and publication of public notices.
- .3 Work requiring temporary traffic control on roadway permitted from 9:00 am to 3:00 pm, Monday to Friday.
- .4 Lane closures longer than 5 minutes will not be permitted.
 - .1 Schedule and execute work to minimize work on roadway.
 - .2 Post notification signs at bridge approaches.
 - .1 Ontario approach: at intersection of St. Patrick St. and Sussex Ave. and at intersection of St. Patrick St. and Pioneer Rd.
 - .2 Quebec Approach: at intersection of Laurier St. and Blvd. des Allumettières.
 - .3 Use Traffic Control Persons to regulate vehicular traffic.
 - .4 Delay vehicles maximum 5 minutes.
- .5 Boardwalk to remain open to pedestrians and cyclists at all times.
- .6 Notify Departmental Representative immediately of any Traffic Control issues.

1.3 TAXES

- .1 Pay all taxes properly levied by law (including Federal, Provincial and Municipal).

1.4 FEES, PERMITS AND CERTIFICATES

- .1 Pay all fees and obtain all permits. Provide authorities with plans and information for acceptance certificate. Provide inspection certificates as evidence that work conforms to requirement of Authority having jurisdiction.

1.5 CONSTRUCTION PROGRESS SCHEDULE

- .1 Submit schedule to Departmental Representative 5 days prior to start of work.
 - .1 Reply to requests for modifications within 24 hours.
 - .2 Work to proceed only after schedule is accepted by Departmental Representative.
 - .3 Do not change schedule without notifying Departmental Representative.
- .2 Schedule of work to indicate anticipated progress stages within time of completion. When Departmental Representative has reviewed schedule, take necessary measures to complete work within scheduled time.
- .3 Schedule and execute work with least interference or disturbance to normal use of premises.
- .4 Hours of work:
 - .1 Normal working hours – Monday to Friday, 7:00 am to 5:00 pm.
 - .2 Work on roadway – Monday to Friday, 9:00 am to 3:00 pm.

1.6 REGULATORY REQUIREMENTS

- .1 References and Codes:
 - .1 Materials shall be new and work shall conform to minimum applicable standards of “References” indicated in specification sections, the National Building Code of Canada 2010 (NBC) and all applicable Provincial and Municipal codes. In case of conflict or discrepancy most stringent requirement shall apply.
- .2 Site Smoking Environment:
 - .1 Smoking not permitted in work area.
- .3 Hazardous Materials:
 - .1 Hazardous Materials: product, substance, or organism that may cause adverse impact to environment or adversely affect health of persons, animals, or plant life when released into environment.
 - .2 Comply with requirements of Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage, and disposal of hazardous materials; and regarding labelling and provision of Material Safety Data Sheets (MSDS).
 - .3 Stop work immediately when material resembling spray or trowel-applied asbestos, Polychlorinated Biphenyl (PCB), mould or other hazardous materials is encountered during demolition work.
 - .1 Take preventative measure and promptly notify Departmental Representative.
 - .2 Do not proceed until written instructions have been received from Departmental Representative.

1.7 FIRE SAFETY REQUIREMENTS

- .1 Comply with both National Building Code of Canada 2010 and National Fire Code of Canada 2010 for safety of persons in buildings in event of fire and protection of buildings from effects of fire, as follows;

- .1 National Building Code (NBC): for fire safety and fire protection features that are required to be incorporated in building during construction.
- .2 National Fire Code (NFC):
 - .1 On-going maintenance and use of fire safety and fire protection features incorporated in buildings.
 - .2 Conduct of activities that might cause fire hazards in and around buildings.
 - .3 Limitations on hazardous contents in and around buildings.
 - .4 Establishment of fire safety plans.
 - .5 Fire safety at construction and demolition sites.

1.8 UTILITIES

- .1 Contractor to provide portable power supply.

1.9 CONSTRUCTION FACILITIES

- .1 Site Storage:
 - .1 Do not unreasonably encumber site with materials or equipment.
 - .2 Move stored products or equipment that interfere with operations of Departmental Representative or normal operations of bridge.
 - .3 Do not load or permit to load any part of work with weight or force that will endanger work.
- .2 Where security is reduced by work provide temporary means to maintain security.
- .3 Sanitary facilities: Contractor responsible for making arrangements for sanitary facilities.
- .4 Signage:
 - .1 Provide common-use signs related to traffic control, information, instruction, use of equipment, public safety devices, etcetera, in both official languages or by use of commonly understood graphic symbols and to approval of Departmental Representative.
 - .2 No advertising will be permitted on this project.
 - .3 Maintain approved signs and notices in good condition for duration of project and dispose of off site, on completion of project or earlier, as directed by Departmental Representative.

1.10 TEMPORARY BARRIERS AND ENCLOSURES

- .1 Weather Enclosures: protect work temporarily until permanent enclosures completed.
- .2 Dust Control:
 - .1 Provide dust tight screens or partitions to localize dust-generating activities, and for protection of workers, finished areas of work and public.
 - .2 Maintain and relocate protection until such work is complete.
 - .3 Protect all designated equipment within work area with 0.102mm thick polyethylene film during construction. Remove film and leave premises in clean, unencumbered and safe manner for normal public use.

- .3 Design, construct and maintain temporary "access to" and "egress from" work areas, including stairs, runways, ramps or ladders and scaffolding, independent of finished surfaces and in accordance with relevant municipal, provincial and other regulations.
- .4 Protection:
 - .1 Protect work against damage until take-over.
 - .2 Protect adjacent work against the spread of dust and dirt beyond the work areas.
 - .3 Protect operatives and other users of site from all hazards.
 - .4 Protect bridge structure and all bridge components including roadways, sidewalks, pathways and landscaping from damage during construction.

1.11 COMMON PRODUCT REQUIREMENTS

- .1 Storage, Handling and Protection:
 - .1 Handle and store products in manner to prevent damage, adulteration, deterioration and soiling and in accordance with manufacturer's instructions.
 - .2 Store packaged or bundled products in original and undamaged condition with manufacturer's seal and labels intact. Do not remove packaging or bundling until required in work.
- .2 Manufacturer's Instructions: unless otherwise indicated in specifications, install or erect products in accordance with manufacturer's instructions. Do not rely on labels or enclosures provided with products. Obtain written instructions directly from manufacturers.

1.12 EXAMINATION AND PREPARATION

- .1 Examine site and conditions likely to affect work and be familiar and conversant with existing conditions.
- .2 Measurements, sizes, exact count and dimension are responsibility of Contractor to verify. Verify all drawings, measurements, dimensions or omissions before commencing work.
- .3 Notify Departmental Representative of any discrepancies or divergences in drawings before proceeding.
- .4 Before commencing work, establish location and extent of services lines in area of work and notify Departmental Representative of findings.

1.13 EXECUTION

- .1 Cut, Patch and Make Good:
 - .1 Cut existing surfaces as required to accommodate new work.
 - .2 Remove all items so shown or specified.
 - .3 Patch and make good surfaces cut, damaged or disturbed as a result of Contractor activities. Final condition to be equal to that which existed prior to start of work.
- .2 Unless otherwise specified, materials for removal become the Contractor's property and shall be taken from site.

1.14 WASTE MANAGEMENT

- .1 Comply with Environmental Protection Act, Ontario Regulations: O. Reg. 102/94 – Waste Audits and Waste Reduction Work Plans; and O. Reg. 103/94 – Industrial, Commercial and Institutional Source Separation Programs; for waste management on construction and demolition projects.
- .2 Implement principles to reduce, reuse and recycle materials to extent that is possible.
- .3 Collect in orderly fashion following "materials designated for alternative disposal" and dispose of separately/ individually when possible:
 - .1 Brick and Portland cement concrete;
 - .2 Cardboard (corrugated);
 - .3 Gypsum board (unfinished);
 - .4 Steel; and
 - .5 Wood (not including painted, treated or laminated wood).
- .4 Submit complete records of all removals from site for both "materials designated for alternative disposal" and "general waste" including:
 - .1 Time and date of removal;
 - .2 Description of material and quantities; and
 - .3 Proof that materials have been received at approved Waste Processing Site or certified Waste Disposal Site as required.

1.15 CLOSEOUT SUBMITTALS

- .1 Records:
 - .1 As work progresses, maintain accurate records to show deviations from contract drawings. Just prior to Departmental Representative's inspection for issuance of final certificate of completion, supply to the Departmental Representative one (1) set of white prints with all deviations neatly inked in. Departmental Representative will provide two sets of clean white prints for this purpose.
- .2 Upon notice from Departmental Representative, any failures or defects in material or workmanship shall be corrected by Contractor.
- .3 Conduct inspection of work, identify deficiencies and defects, and repair as required to conform to Contract Documents.
- .4 Notify Departmental Representative in writing of satisfactory completion of Contractor's inspection of work to identify obvious defects or deficiencies.
- .5 The Departmental Representative and Contractor will perform inspection of work to identify obvious defects and deficiencies. Contractor will correct work accordingly.
- .6 Submit written certificate that following has been performed:
 - .1 Work has been completed and inspected for compliance with contract documents
 - .2 Defects have been corrected and deficiencies have been completed.
 - .3 Equipment and system have been tested and are fully operational.
 - .4 Operation of system has been demonstrated to Departmental Representative.
 - .5 Work is complete and ready for final inspection.

- .7 Request final inspection of work by Departmental Representative when items noted above are completed. If work is deemed incomplete by Departmental Representative complete outstanding items and request re-inspection.

1.16 CLEANING

- .1 Clean up as work progresses. At end of each work period, and more often if ordered by Departmental Representative, remove debris from site, neatly stack material for use, and clean up generally.
- .2 Upon completion remove scaffolding, temporary protection and surplus materials. Make good defects noted at this stage.
- .3 Clean and restore areas under contract to condition equal to what previously existed and to approval of Departmental Representative.

Part 2 Products

2.1 NOT USED

- .1 Not used.

Part 3 Execution

3.1 NOT USED

- .1 Not used.

END OF SECTION