

Part 1 General

1.1 RELATED REQUIREMENTS

- .1 The list of works listed in this section is indicative and non-limitative. It does not exclude works described in other sections of the specifications, shown on drawings or necessary for a complete execution of the works in the spirit of the plans.
- .2 Section 01 33 00 – Submittal procedures.
- .3 Section 01 35 92 – Special protection for historic works.
- .4 Section 01 51 00 – Temporary utilities
- .5 Section 01 56 00 – Temporary barriers and enclosures.
- .6 Section 32 01 90.33 – Tree and shrub preservation.

1.2 REFERENCES

- .1 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB 1.189-00, Exterior Alkyd Primer for Wood.
 - .2 CGSB 1.59-97, Alkyd Exterior Gloss Enamel.
- .2 Canadian Standards Association (CSA International).
 - .1 CSA-0121-M1978(R2003), Douglas Fir Plywood.
 - .2 CAN/CSA-S269.2-M1987(R2003), Access Scaffolding for Construction Purposes.

1.3 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.

1.4 INSTALLATION AND REMOVAL

- .1 Prepare, for approval of Departmental Representative, site plan indicating proposed location and dimensions of areas to be fenced and used by Contractor, avenues of ingress/egress to fenced areas, enclosures, waste chutes, type and location of scaffoldings, waste containers, passengers elevators and freight elevators, parking zones as well as spaces reserved for trailers on the site and areas of work and storage.
- .2 Identify areas which have to be gravelled to prevent tracking of mud.
- .3 Indicate use of supplemental or other staging area.
- .4 Provide construction facilities in order to execute work expeditiously.
- .5 Remove from site all such work after use.

1.5 SCAFFOLDING

- .1 Scaffolding in accordance with CAN/CSA-S269.2.
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- .2 Provide scaffoldings, access ramps, ladders, swing stagings, platforms, temporary stairs and all hoisting equipments necessary to the execution of the works, and ensure their maintenance.
- .3 Make necessary financial arrangements with Subcontractors for use of scaffoldings and hoisting equipments.

1.6 HOISTING

- .1 Provide, operate and maintain hoists and cranes required for moving of workers, materials and equipment. Make financial arrangements with Subcontractors for their use of hoists.
- .2 Hoists and cranes to be operated by qualified operators.
- .3 Make necessary financial arrangements with Subcontractors for use of hoisting equipments.

1.7 PASSENGER AND FREIGHT ELEVATORS

- .1 Passenger elevators and freight elevators which have been validated by a certificate of Substantial Performance cannot be used by contractor for displacement of materials/equipments without prior approval of Departmental Representative.
- .2 Provide protective coverings to protect finished surfaces of cabins and doors of passenger and freight elevators.

1.8 SITE STORAGE/LOADING

- .1 Confine work and operations of employees by Contract Documents. Do not unreasonably encumber premises with products.
- .2 Do not load or permit to load any part of Work with weight or force that will endanger Work.

1.9 CONSTRUCTION PARKING

- .1 Parking will be permitted on site provided it does not disrupt performance of Work.
- .2 Provide and maintain adequate access ways to project site and ensure daily maintenance and cleaning in conformance with current municipal regulations.
- .3 Provide ten (10) parking places in the construction site enclosure of Place George V for the exclusive use of Departmental Representative.

1.10 SECURITY MEASURES

- .1 Provide and pay for responsible security personnel to guard site and contents of site after working hours and during holidays.

1.11 OFFICES

- .1 Provide office heated to 22 degrees C, lighted 750 lx and ventilated, of sufficient size to accommodate site meetings (for 10 people) and furnished with drawing lay down table.
 - .2 Provide marked and fully stocked first-aid case in a readily available location.
 - .3 Subcontractors to provide their own offices as necessary. Direct location of these offices.
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- .4 Departmental Representative's Site office.
 - .1 Provide a construction work site trailer of 3 600 mm x 12 200 mm x 2 400 mm high for the exclusive use of Departmental Representative.
 - .1 Provide two (2) closed offices of 3 600 mm x 3 000 mm. Each office must have (1) window opening at 50 % and one lockable door accessible from inside from the open central area.
 - .2 Provide one open central area of 3 600 mm x 6 200 mm. The open area must have (1) window opening at 50 % and one lockable door accessible from outside.
 - .2 The trailer must be well insulated. Provide heating system to maintain 22 degrees C inside temperature at -20 degrees C outside temperature.
 - .3 Finish inside walls and ceiling with plywood, hardboard or wallboard and paint in white. Finish floor with 19 mm thick plywood.
 - .4 Trailer must have electrical lighting system to provide min 750 lx in all rooms using commercial type fixtures.
 - .5 Provide refrigerated portable drinking water fountain (potable water for the fountain to be provided by Contractor), a photocopier-printer -scanner, including paper and a Wi-Fi high speed Internet connection for the exclusive use of Departmental Representative. Contractor must assume all costs related to communication equipments, electricity and print reproduction.
 - .6 Equip the two (2) closed offices with one work table of 0.75 m x 1.5 m, one table of consultation of 1 m x 3 m, three (3) chairs, shelving of 450 mm wide totalizing a length of six (6) meters and one file cabinet with 3 drawers.
 - .7 Equip central open area with two (2) work tables of 0.9 m x 1.5 m, eight (8) chairs and a clothing support, with shelf.
 - .8 Maintain in clean condition and ensure continual maintenance.

1.12 EQUIPMENT, TOOL AND MATERIALS STORAGE

- .1 Provide and maintain, in clean and orderly condition, lockable weatherproof sheds for storage of tools, equipment and materials.
- .2 Locate materials not required to be stored in weatherproof sheds on site in manner to cause least interference with work activities.

1.13 SANITARY FACILITIES

- .1 Provide sanitary facilities for work force in accordance with governing regulations and ordinances.
- .2 Post notices and take precautions as required by local health authorities. Keep area and premises in sanitary condition.
- .3 Permanent sanitary facilities cannot be use without prior approval of Departmental Representative.

1.14 CONSTRUCTION SIGNAGE

- .1 Project sign of Type A:
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- .1 Install two (2) project signs of 1220 mm x 2440 mm provided by Departmental Representative.
 - .1 Sign: vinyl film, auto-adhesive.
 - .2 Install sign on the painted surface of the project site fence according to supplied instructions.
- .2 Project sign of Type B :
 - .1 Provide and install twenty (20) project signs.
 - .1 Sign: vinyl film, thirteen (13) ounces, reinforced. Color printing.
 - .2 Quantity and dimensions :
 - .1 Type B1: 17 signs of 2440 x 6100 mm.
 - .2 Type B2: 3 signs of 2440 x 9760 mm.
 - .3 Images to print on the signs will be provided by Departmental Representative, in high definition digital format.
 - .4 Install signs on the painted surface of the project site fence with stainless steel staples.
 - .5 The perimeter of each sign must be framed with natural anodized aluminum moldings, fixed mechanically with stainless steel screws.
- .3 Provide and erect project sign, within three weeks of signing Contract.
- .4 No other signs or advertisements, other than warning signs, are permitted on site.
- .5 Maintain approved signs and notices in good condition for duration of project, and dispose of off site on completion of project or earlier if directed by Departmental Representative.

1.15 PROTECTION AND MAINTENANCE OF TRAFFIC

- .1 Provide access and temporary relocated roads as necessary to maintain traffic. The temporary access roads must receive prior approval of Departmental Representative and the city of Québec, if necessary.
 - .2 Maintain and protect traffic on affected roads during construction period. No modification to traffic can be done without prior authorization of Departmental Representative and a written authorization of the city of Québec. Notify the city at least 48 hours in advance before proceeding to such modification.
 - .3 Provide measures for protection and diversion of traffic, including provision of watch-persons and flag-persons, erection of barricades, placing of lights around and in front of equipment and work, and erection and maintenance of adequate warning, danger, and direction signs
 - .4 Protect travelling public from damage to person and property.
 - .5 Contractor's traffic on roads selected for hauling material to and from site to interfere as little as possible with public traffic.
 - .6 Verify adequacy of existing roads and allowable load limit on these roads. Contractor: is responsible for repair of damages to roads caused by construction operations.
 - .7 Construct access and haul roads necessary.
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- .8 Haul roads: constructed with suitable grades and widths; sharp curves, blind corners, and dangerous cross traffic shall be avoided. Paved temporary rising access roads are forbidden in the rights-of-way of avenues Georges VI and Wilfrid-Laurier.
- .9 Provide necessary lighting, signs, barricades, and distinctive markings for safe movement of traffic.
- .10 Dust control: adequate to ensure safe operation at all times.
- .11 Location, grade, width, and alignment of construction and hauling roads: subject to approval by Departmental Representative.
- .12 Lighting: to assure full and clear visibility for full width of haul road and work areas during night work operations.
- .13 Provide snow removal during period of Work according to frequency of removal upstream and downstream of construction site. (Same conditions for pedestrians and motorists)
- .14 Remove, upon completion of work, haul roads designated by Departmental Representative.
- .15 See also article 1.5.1.3 of Section 01 56 00 – Access and temporary protection works, for restrictions to traffic applicable on Avenue Wilfrid-Laurier.

1.16 CLEAN-UP

- .1 Remove construction debris, waste materials, packaging material from work site daily.
- .2 Clean dirt or mud tracked onto paved or surfaced roadways.
- .3 Store materials resulting from demolition activities that are salvageable.
- .4 Do not stack in construction facilities stored new or salvaged material.

Part 2 Products

2.1 NOT USED

- .1 Not Used.

Part 3 Execution

3.1 TEMPORARY EROSION AND SEDIMENTATION CONTROL

- .1 Provide temporary erosion and sedimentation control measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways. These control measures must conform to requirements of authorities having jurisdiction.
 - .2 Inspect, repair, and maintain erosion and sedimentation control measures during construction until permanent vegetation has been established.
 - .3 Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal.
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END OF SECTION