

PART 1 - GENERAL

- 1.1 SECTION INCLUDES
- .1 Construction aids.
  - .2 Office and sheds.
  - .3 Parking.
- 1.2 REFERENCES
- .1 Canadian Standards Association (CSA International).
    - .1 CSA A23.1-09/A23.2-09, Concrete Materials and Methods of Concrete Construction/Methods of Test and Standard Practices for Concrete.
    - .2 CAN/CSA-Z321-96(R2006), Signs and Symbols for the Occupational Environment, withdrawn but still available from CSA, CCOHS and Techstreet.
    - .3 CSA Z797-09, Code of practice for access scaffolding.
  - .2 U.S. Environmental Protection Agency (EPA)/ Office of Water.
    - .1 EPA 833-R-06-004, May 2007, Developing Your Stormwater Pollution Prevention Plan - A Guide for Construction Sites.
- 1.3 SUBMITTALS
- .1 Provide submittals in accordance with Section 01 33 00.
- 1.4 INSTALLATION AND REMOVAL
- .1 Prepare site plan indicating proposed location and dimensions of area to be fenced and used by Contractor, number of trailers to be used, avenues of ingress/egress to fenced area and details of fence installation.
  - .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 CSA Z797.
- .2 Provide and maintain scaffolding, ramps, ladders, swing staging, platforms, and temporary stairs.
- 1.6 HOISTING .1 Provide, operate and maintain hoists/cranes required for moving of workers, materials and equipment. Make financial arrangements with Subcontractors for use thereof.
- .2 Hoists/cranes shall be operated by qualified operator.
- 1.7 ELEVATORS .1 Designated existing and permanent elevators may be used by construction personnel and transporting of materials. Co-ordinate use with Departmental Representative.
- .2 Provide protective coverings for finish surfaces of cars and entrances.
- 1.8 SITE STORAGE/LOADING .1 The Contractor must store materials in a secure offsite facility.
- .2 Confine work and operations of employees to areas defined by Contract Documents. Do not unreasonably encumber premises with products.
- .3 Do not load or permit to load any part of Work with a weight or force that will endanger the Work.
- 1.9 CONSTRUCTION PARKING .1 Parking will be permitted on site provided it does not disrupt performance of Work, coordinate with Departmental Representative.
- .2 Provide and maintain adequate access to project site.
- .3 Build and maintain temporary roads where indicated or directed by Departmental Representative and provide snow removal during period of Work.
- .4 If authorized to use existing roads for access to project site, maintain such roads for
-

- 
- 1.9 CONSTRUCTION PARKING  
(Cont'd)
- .4 (Cont'd)  
duration of Contract and make good damage  
resulting from Contractors' use of roads.
- .5 Clean construction runways and taxi areas where  
used by Contractor's equipment.
- 1.10 OFFICES
- .1 Provide office heated to 22°C, lighted 750 lx  
and ventilated, of sufficient size to  
accommodate site meetings and furnished with  
drawing laydown table.
- .2 Provide a clearly marked and fully stocked  
first-aid case in a readily available location.
- .3 Subcontractors may provide their own offices as  
necessary. Direct location of these offices.
- .4 Departmental Representative's Site office.  
.1 Provide temporary office for Departmental  
Representative.  
.2 Inside dimensions minimum 3.6 m long x 3 m  
wide x 2.4 m high, with floor 0.3 m above grade,  
complete with 4 - 50% opening windows and one  
lockable door.  
.3 Insulate building and provide heating  
system to maintain 22° C inside temperature at  
-20° C outside temperature.  
.4 Finish inside walls and ceiling with  
plywood, hardboard or wallboard and paint in  
selected colours. Finish floor with 19 mm thick  
plywood.  
.5 Install electrical lighting system to  
provide min 750 lx using surface mounted,  
shielded commercial fixtures with 10% upward  
light component.  
.6 Provide private washroom facilities  
adjacent to office complete with flush or  
chemical type toilet, lavatory and mirror and  
maintain supply of paper towels and toilet  
tissue.  
.7 Equip office with 1 x 2 m table, 4 chairs,  
6 m of shelving 300 mm wide, one 3 drawer filing  
cabinet, one plan rack and one coat rack and  
shelf.  
.8 Maintain in clean condition.
-

- 
- 1.11 EQUIPMENT,  
TOOL AND MATERIALS  
STORAGE
- .1 Provide and maintain, in a 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 a manner to cause least interference with work activities.
  - .3 Submit their plans for review for material staging areas including obtaining warehousing facilities near the bridge site to facilitate staging.
- 1.12 SANITARY  
FACILITIES
- .1 Provide sanitary facilities for work force in accordance with governing regulations and ordinances.
  - .2 Post notices and take such precautions as required by local health authorities. Keep area and premises in sanitary condition.
- 1.13 CONSTRUCTION  
SIGNAGE
- .1 No other signs or advertisements, other than warning signs, are permitted on site.
  - .2 Signs and notices for safety and instruction shall be in both official languages. Graphic symbols shall conform to CAN/CSA-Z321.
  - .3 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.
- 1.14 PROTECTION AND  
MAINTENANCE OF  
TRAFFIC
- .1 Provide access and temporary relocated roads as necessary to maintain traffic.
  - .2 Maintain and protect traffic on affected roads during construction period except as otherwise specifically directed by Departmental Representative.
  - .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
-

- 
- 1.14 PROTECTION AND MAINTENANCE OF TRAFFIC  
(Cont'd)
- .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.
  - .7 Responsible for repair of damage to roads caused by construction operations.
  - .8 Construct access and haul roads necessary.
  - .9 Haul roads: constructed with suitable grades and widths; sharp curves, blind corners, and dangerous cross traffic shall be avoided.
  - .10 Provide necessary lighting, signs, barricades, and distinctive markings for safe movement of traffic.
  - .11 Dust control: adequate to ensure safe operation at all times.
  - .12 Location, grade, width, and alignment of construction and hauling roads: subject to approval by Departmental Representative .
  - .13 Lighting: to assure full and clear visibility for full width of haul road and work areas during night work operations.
  - .14 Provide snow removal during period of Work.
  - .15 Remove, upon completion of work, haul roads designated by Departmental Representative .
- 1.15 CLEAN-UP
- .1 Remove construction debris, waste materials, packaging material from work site daily.
    - .1 Obtain permission from land owners as required.
  - .2 Clean dirt or mud tracked onto paved or surfaced roadways.
  - .3 Store materials resulting from demolition activities that are salvageable.
  - .4 Stack stored new or salvaged material.
-

PART 2 - PRODUCTS

2.1 NOT USED .1 Not Used.

PART 3 - EXECUTION

3.1 NOT USED .1 Not Used.