

PART 1 - GENERAL

- | | | |
|-------------------------------------|----|---|
| <u>1.1 SECTION INCLUDES</u> | .1 | Construction aids. |
| | .2 | Office and sheds. |
| | .3 | Parking. |
| <u>1.2 REFERENCES</u> | .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| | .2 | CAN/CSA-Z321-96(R2006), Signs and Symbols for the Occupational Environment, withdrawn but still available from CSA, CCOHS and Techstreet.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. |
| <u>1.3 SUBMITTALS</u> | .1 | Provide submittals in accordance with Section 01 33 00. |
| <u>1.4 INSTALLATION AND REMOVAL</u> | .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. |
-

-
- | | | |
|---------------------------------|----|---|
| <u>1.5 SCAFFOLDING</u> | .1 | Scaffolding in accordance with CSA Z797. |
| | .2 | Provide and maintain scaffolding, ramps, ladders, swing staging, platforms, and temporary stairs. |
|
 | | |
| <u>1.6 HOISTING</u> | .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. |
|
 | | |
| <u>1.7 ELEVATORS</u> | .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. |
|
 | | |
| <u>1.8 SITE STORAGE/LOADING</u> | .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. |
|
 | | |
| <u>1.9 CONSTRUCTION PARKING</u> | .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.