

Part 1 General

1.1 RELATED REQUIREMENTS

- .1 Section 01 51 00 - Temporary utilities.
- .2 Section 01 56 00 - Temporary barriers and enclosures.

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-A23.1/A23.2-04, Concrete Materials and Methods of Concrete Construction/Methods of Test and Standard Practices for Concrete.
 - .2 CSA-0121-M1978(R2003), Douglas Fir Plywood.
 - .3 CAN/CSA-S269.2-M1987(R2003), Access Scaffolding for Construction Purposes.
 - .4 CAN/CSA-Z321-96(R2001), Signs and Symbols for the Occupational Environment.

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 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 CAN/CSA-S269.2.
- .2 Provide and maintain scaffolding, ladders and platforms.

1.6 HOISTING

- .1 Provide cranes required for moving materials.

- .2 Cranes to be operated by qualified operator.

1.7 SITE STORAGE/LOADING

- .1 Confine work and operations of employees by Contract Documents. Do not unreasonably encumber premises with products.
- .2 Make sure that the limits of load authorized on the platform are any time respected.
- .3 Do not load or permit to load any part of Work with weight or force that will endanger Work.

1.8 CONSTRUCTION PARKING

- .1 Parking will not be permitted on site and within the boundaries of the Transport Canada property.
- .2 Clean runways and taxi areas where used by Contractor's equipment.

1.9 SECURITY

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

1.10 OFFICES

- .1 Provide office heated to 22 degrees C, lighted 750 lx and ventilated, of sufficient size to accommodate site meetings and furnished with drawing laydown 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.
- .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 more than 0.3 m above grade, complete with 2, 50% opening, windows and one lockable door.
 - .3 Insulate building and provide heating system to maintain 22 degrees C inside temperature at -20 degrees 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 Equip office with a desk 1.5 m x 0.9 m with drawers, a drafting table, a stool, 4 chairs, one 3-drawer filing cabinet, one plan rack and one coat rack, shelves, one computer, one printer, one photocopier, one scanner and one mobile phone and pay all costs.
 - .7 Maintain in clean condition.

1.11 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 Store materials in the reserved areas indicated on the drawings. If the Contractor wishes to use additional storage adjacent to the site, he must make arrangements with the owners and provide a copy of such agreement to the Departmental Representative.
- .3 Leave premises in the original pre-construction condition and forward the owners' certificate of acceptance the Departmental Representative.

1.12 SANITARY FACILITIES

- .1 Provide sanitary facilities, insulated and heated during the cold season, for the workforce and the Departmental Representative in accordance with governing regulations and ordinances and maintain supply of paper towels and toilet tissue.
- .2 Post notices and take precautions as required by local health authorities. Keep area and premises in sanitary condition.
- .3 Canada Transport's permanent facilities may not be used.

1.13 CONSTRUCTION SIGNAGE

- .1 Provide project identification site sign comprising framing, and one 1200 x 2400 mm signboard as detailed and as described below.
 - .1 Framework and battens: SPF, pressure treated minimum 89 x 89 mm.
 - .2 Signboard: 19 mm Medium Density Overlaid Douglas Fir Plywood to CSA O121.
 - .3 Paint: alkyd enamel to CAN/CGSB-1.59 over exterior alkyd primer to CAN/CGSB 1.189.
 - .4 Fasteners: hot-dip galvanized steel nails and carriage bolts.
 - .5 Vinyl sign face: printed project identification, self adhesive, vinyl film overlay, supplied by Departmental Representative.
- .2 Locate project identification sign as directed by Departmental Representative and construct as follows:
 - .1 Build one concrete foundation or blocking, erect framework, and attach signboard to framing.
 - .2 Paint surfaces of signboard and framing with one coat primer and two coats enamel. Colour white on signboard face, black on other surfaces.
 - .3 Apply vinyl sign face overlay to painted signboard face in accordance with installation instruction supplied.
- .3 Direct requests for approval to erect Contractor and Subcontractor signboard to Departmental Representative. For consideration general appearance of

Consultant/Contractor signboard must conform to project identification site sign.
Wording in both official languages.

- .4 Signs and notices for safety and instruction in both official languages Graphic symbols to CAN/CSA-Z321.
- .5 Maintain approved signs and notices in good condition for duration of project, and remove from site on completion of project or earlier if directed by the Departmental Representative.

1.14 PROTECTION AND MAINTENANCE OF TRAFFIC

- .1 Provide temporary relocated roads as necessary to maintain traffic.
- .2 Maintain and protect traffic on affected road as well as on site during the construction period.
- .3 Provide measures for protection of traffic and public, including the services of flagpersons and of watch-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 traffic on site (parking and wharf). If need be, hire the services of flagpersons.
- .6 Verify adequacy of existing roads and allowable load limit on these roads. Contractor: responsible for repair of damage to roads caused by construction operations.
- .7 Lighting: to assure full and clear visibility for full width of haul road and work areas during night work operations.
- .8 Provide snow removal during period of Work.

1.15 CRAFT FOR USE BY THE DEPARTMENTAL REPRESENTATIVE

- .1 Provide the Departmental Representative with a safe boat suitable for site conditions, including a 25-horsepower engine, fuel, life jackets and all the equipment required by the Canadian Coast Guard regulations.
- .2 The craft with operator must be accessible at all times by the Departmental Representative for the duration of the project.
- .3 The Contractor may use the boat for his own purposes after obtaining the Departmental Representative's authorisation.
- .4 In addition to the boat provide upon request by Departmental Representative workers and equipment needed for inspection and supervision of work.

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 outside the boundaries of the wharf in a location authorised by the Departmental Representative.
- .4 Stack stored new or salvaged material not in construction facilities.

Part 2 Products

2.1 NOT USED

- .1 Not Used.

Part 3 Execution

3.1 NOT USED

- .1 Not Used.

END OF SECTION