

PART 1 - GENERAL

1.1 SECTION
INCLUDES

- .1 Construction aids.
- .2 Offices, sanitary facilities and sheds.
- .3 Parking.
- .4 Project identification.

1.2 MEASUREMENT
AND PAYMENT

- .1 Measure installation, maintenance and removal of construction facilities.
- .2 Measure mobilization/demobilization for payment. This pay item will include all plant, labour and material necessary to mobilize to execute the Work as described in the specifications and as shown in the drawings. It includes all activities to demobilize at the end of the Work. Payment will be 60 per cent upon completion of mobilization and the remaining 40 per cent on completion of demobilization as confirmed by the Departmental Representative.

1.3 REFERENCES

- .1 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB 1.189-2000, Exterior Alkyd Primer for Wood.
 - .2 CAN/CGSB 1.59-97, Alkyd Exterior Gloss Enamel.
- .2 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 CSA-0121-08, Douglas Fir Plywood.
- .3 Municipality of Clarington Sign By-law, 2009-0123, most current version.

1.4 SUBMITTALS

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

1.5 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 graveled to prevent tracking of mud.
- .3 Indicate use of supplemental or other staging area(s).
- .4 Provide construction facilities in order to execute work expeditiously.
- .5 Remove from site all such work after use.

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 SITE
STORAGE/LOADING

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

1.8 CONSTRUCTION
PARKING

- .1 Parking will be permitted on site provided it does not disrupt performance of Work.
- .2 Provide and maintain adequate access to project site.
- .3 Build and maintain temporary roads where indicated and provide snow removal during period of Work.
- .4 If authorized to use existing roads for access to project site, maintain such roads for duration of Contract and make good damage resulting from Contractors' use of roads.

1.8 CONSTRUCTION PARKING (Cont'd)	.5	Clean construction runways and taxi areas where used by Contractor's equipment.
1.9 SECURITY	.1	Pay for responsible security personnel to guard site and contents of site after working hours and during holidays, as deemed necessary by the Contractor and/or as directed by the Departmental Representative.
1.10 OFFICES	.1	Provide Contractor's field 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 first aid facilities for work force in accordance with governing regulations and ordinances. First aid facility to include a clearly marked and fully stocked first-aid case in a readily available location.
	.3	Subcontractors may provide their own offices, equipment, tool and material storage trailers as necessary. Location of these facilities to be approved by the Departmental Representative.
	.4	Departmental Representative's Site office.
	.1	Provide temporary office for Departmental Representative.
	.2	Provide one weatherproof, insulated office trailer at least 3 m wide x 7.5 m long (250 sf) x 2.4 m clear inside height. Complete with 50% opening windows with fly screens. Two doors fitted with cylinder locks with the Departmental Representative in possession of all keys.
	.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 minimum 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

1.10 OFFICES
(Cont'd)

- .4 (Cont'd)
- .6 (Cont'd)
 - chemical type toilet, lavatory and mirror and maintain supply of paper towels and toilet tissue.
- .7 Equip office with:
 - .1 Desks, 1 - 750 x 1500.
 - .2 Computer chairs, 1.
 - .3 Folding tables, 2 - 900 x 1800.
 - .4 Steel folding chairs, 6.
 - .5 Four drawer, lockable file cabinet.
 - .6 Waste baskets, 1.
 - .7 Wall mounted coat rack.
 - .8 First aid kit.
 - .9 10 lb fire extinguisher, 1.
 - .10 Telephone: minimum of 1 incoming/outgoing lines, 1 touch tone phone with conference speaker and a minimum 3.6 m of coiled headset cord. Provide separate fax line. Provide separate high speed internet service. Provide appropriate pre-wired phone and computer jacks through the trailer necessary for a completed and fully functional telephone system.
 - .11 Photocopier: one colour scanner/copier/printer (up to 11 x 17). Include a maintenance service agreement for the duration of the contract.
- .8 Maintain clean, heat and light the office throughout the duration of the construction period.
- .5 All trailer windows to be protected with metal bars and all doors to have metal plate with padlock capability.
- .6 All trailers to be leveled, anchored and skirted.
- .7 For all trailers and temporary buildings provide wood stairs, platform and boardwalk, painted and repainted as required with non-skid abrasive paint.
- .8 Ownership of equipment furnished under this subsection will remain, unless otherwise specified in the Contract Documents, that of the Contractor.
- .9 Equipment furnished shall be new or like new in appearance and function.

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.

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.
- .3 Remove wastes from site on a regular basis as required.
- .4 Keep sanitary facilities clean and fully stocked with necessary supplied at all times.

1.13 CONSTRUCTION
SIGNAGE

- .1 Provide and erect, within three weeks of signing Contract, a project identification sign in a location designated by Departmental Representative.
- .2 Construct of wood frame and plywood construction painted with exhibit lettering produced by a professional sign painter.
- .3 Indicate on sign, name of Departmental Representative and Contractor, of a design style established by Departmental Representative.
- .4 No other signs or advertisements, other than warning signs, are permitted on site.
- .5 Provide project identification site sign comprising foundation, framing, and one 1200 x 2400 mm signboard as detailed and as described below.
 - .1 Foundations: 15 MPa concrete to CAN/CSA-A23.1/A23.2 minimum 200 mm x 900 mm deep.
 - .2 Framework and battens: SPF, pressure treated minimum 89 x 89 mm.
 - .3 Signboard: 19 mm Medium Density Overlaid Douglas Fir Plywood to CSA O121.

1.13 CONSTRUCTION .5
SIGNAGE
(Cont'd)

- (Cont'd)
- .4 Paint: alkyd enamel to CAN/CGSB-1.59 over exterior alkyd primer to CAN/CGSB 1.189.
 - .5 Fasteners: hot-dip galvanized steel nails and carriage bolts.
 - .6 Vinyl sign face: printed project identification, self adhesive, vinyl film overlay, supplied by Departmental Representative.
- .6 Locate project identification sign as directed by Departmental Representative and construct as follows:
- .1 Build concrete foundation, erect framework, and attach signboard to framing.
 - .2 Paint all 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.
- .7 Signs and notices for safety and instruction shall be in both official languages Graphic symbols shall conform to CAN/CSA-Z321.
- .8 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 .1
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.
- .4 Protect travelling public from damage to person and property.

1.14 PROTECTION AND .5
MAINTENANCE OF
TRAFFIC

(Cont'd)

- .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: responsible for repair of damage to roads caused by construction operations.
- .7 Construct access and haul roads necessary.
- .8 Haul roads: constructed with suitable grades and widths; sharp curves, blind corners, and dangerous cross traffic shall be avoided.
- .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.
- .14 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.
- .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 TEMPORARY
EROSION AND
SEDIMENTATION
CONTROL .1 Comply with requirements of Section 01 35 43,
Section 31 11 01 and Elliott Road Erosion and
Sediment Control Drawings.

.2 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, according to requirements of
authorities having jurisdiction, sediment and
erosion control drawings, sediment and erosion
control plan, specific to site, that complies
with requirements of authorities having
jurisdiction, whichever is more stringent.

.3 Inspect, repair, and maintain erosion and
sedimentation control measures during
construction until permanent vegetation has been
established.