

**PART 1 GENERAL**

**1.1 REFERENCES**

- .1 Canadian General Standards Board (CGSB)
  - .1 CAN/CSA-S269.2-M1987 (R2003), Access Scaffolding for Construction Purposes.

**1.2 SUBMITTALS**

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

**1.3 INSTALLATION AND REMOVAL**

- .1 Install and remove construction facilities only after securing approval from Departmental Representatives.
- .2 Prepare site plan indicating proposed location and dimensions of area to be fenced and used by Contractor, number of trailers to be used, access to fenced area and details of fence installation.
- .3 Identify areas which have to be gravelled to prevent tracking of mud.
- .4 Indicate use of supplemental or other staging area, if required.
- .5 Provide construction facilities in order to execute work expeditiously.
- .6 Remove from site all such work after use.

**1.4 HOISTING**

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

**1.5 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.

**1.6 CONSTRUCTION PARKING**

- .1 Parking will be permitted on site in areas designated by the Departmental Representative.
- .2 Provide and maintain adequate access to project site.

**1.7 OFFICES**

- .1 Provide a heated and ventilated office 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.

**1.8 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.

**1.9 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.

**1.10 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 stored new or salvaged material in construction facilities.

**1.11 WINTER CONSTRUCTION**

- .1 Special construction methods required to perform the work in severe weather shall be the responsibility of the Contractor.
- .2 Where the specifications call for work to be performed within a given temperature range or above a minimum temperature, it shall be the Contractor's responsibility to provide all temporary enclosures and heat necessary to provide the conditions specified.
- .3 Where compaction of backfill is specified, the Contractor shall perform the work in a manner such that compaction can be achieved.
- .4 Where weather conditions are such that compaction of backfill consisting of excavated materials is not possible; the Contractor shall provide unfrozen granular material for backfill, at the Contractor's expense.

**1.12 ACCESS ROADS**

- .1 Construct, remove and rehabilitate access roads only after securing approval from Departmental Representative.
- .2 Construct temporary access roads as necessary to perform the work, and maintain temporary access roads until construction is over or until permanent access is established.
- .3 Locations and drainage facilities for temporary access roads are subject to the approval of the Departmental Representative.
- .4 No direct payment will be made to the Contractor for construction of temporary access roads and removal and restoration after construction completion.
- .5 If authorized to use existing roads for access to the project site, the Contractor shall maintain such roads for duration of the contract and make good damage resulting from Contractor's use of road.
- .6 Any driving off road requires prior approval from the Departmental Representative.

**1.13 EXISTING UTILITIES AND STRUCTURES**

- .1 Existing utilities and structures include the following: pipes, culverts, ditches or other items which are a part of an existing sewerage, drainage or water system; or which are a part of a gas, electrical, telephone, television, telecommunications or other utility system. Also included are swales, poles, fences or any other structures encountered during construction.
- .2 The Contractor shall be responsible for protection, removal or replacement of existing utilities and structures, or for repair of any damage, which may occur during construction.
- .3 Existing utilities and structures may be shown on the drawings, or described in the specifications. Such information is shown for design purposes and the existence, location and detail given is information that is obtained during the design period and is not necessarily complete, correct or current.
- .4 The Contractor shall pay all costs and be responsible for establishing locations and state of use of all existing utilities that may affect the work. The Contractor shall make satisfactory arrangements with the utilities companies involved for the location, protection and inspection of existing utilities.
- .5 Notices in writing shall be given by the Contractor to the utilities companies 96 hours before work commences in the vicinity of existing utilities.
- .6 The Contractor shall pay all the costs involved in protection of utilities, inspection of utilities, and all costs due to delays because of existing utilities and structures.
- .7 The Contractor shall provide for the uninterrupted flow of all water courses, sewers and drains encountered during the work.
- .8 Access shall be maintained to all existing structures such as valves, hydrants, meter chambers and control structures at all times during construction.

- .9 If interruption of service provided by an existing utility is necessary, the planned shutdown shall be approved by the utility companies and the Departmental Representative. Requests for shutdown shall be made by the Contractor in writing at least 96 hours in advance.
- .10 The Contractor shall notify all customers or make arrangements with the utility company and the Departmental Representative to notify all customers 48 hours in advance of a shut-down.

#### **1.14 CONSTRUCTION SIGNAGE AND SAFETY**

- .1 The Contractor shall be responsible for the regulation of traffic during construction, and shall perform the work in a manner that will cause the least disruption of traffic.
  - .1 Normal traffic includes large tour buses, large RV units and large camping trailers.
- .2 The Contractor shall co-ordinate the work with the Departmental Representative to minimize traffic problems.
- .3 Provision of flagmen, traffic signs, and other traffic controls shall be the Contractor's responsibility and shall be in accordance with the RTAC Manual of Uniform Traffic Control Devices and shall be located to the satisfaction of the Departmental Representative.
- .4 The Contractor shall supply and maintain at no extra cost all barriers, barricades, warning signs, detours, fences, flagmen and all other devices to protect the workers and general public against accidents or injury. All applicable safety standards shall be followed. All excavations or obstructions shall be clearly marked between sunset and sunrise with proper warning flares or lights.

#### **1.15 HAUL ROUTES**

- .1 Haul routes (roadways, lanes) shall be subject to the approval of the Departmental Representative. The Contractor shall be responsible for damage and/or spillage on all roads used for hauling materials and equipment to and from the site. The Contractor shall immediately clean and/or restore the affected areas.
- .2 Trucks must be loaded in such a manner that no spillage occurs during the haul.

#### **1.16 NOTIFICATION**

- .1 Notification of Disruption of Sanitary Services
  - .1 In the event that it should become necessary to disrupt sanitary services to any building during construction, the Contractor is required to provide written notice 96 hours prior to the intended disruption.
  - .2 Any disruption to private residences must be restricted to the Contractor's working hours. Temporary services shall be provided to the residents after the Contractor has completed work for the day if required. The cost shall be included in the overall tender price. No extra payments will be allowed.

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**1.17 MAINTENANCE OF UTILITY SERVICES**

- .1 The Contractor shall be responsible for providing, maintaining and repairing temporary utility services. The costs for providing temporary utility services shall be included in the overall tender price and no extra payment will be allowed.
- .2 During construction and warranty periods, if the Contractor fails to respond to requests for remedial works regarding maintaining or repairing temporary utility services, within reasonable time, the Departmental Representative shall have the right to carry out the necessary remedial works and shall charge the costs of the remedial works done to the Contractor.

**1.18 TRAFFIC REGULATION**

- .1 The Contractor shall be responsible for the regulation of traffic during construction, and shall perform the work in a manner that will cause the least disruption of traffic.
  - .1 Normal traffic includes large tour buses, large RV units and large camping trailers.
- .2 The Contractor shall co-ordinate the work with the Departmental Representative to minimize traffic problems.
- .3 Provision of flagmen, traffic signs, and other traffic controls shall be the Contractor's responsibility and shall be in accordance with the RTAC Manual of Uniform Traffic Control Devices and shall be located to the satisfaction of Departmental Representative.
- .4 The Contractor shall supply all barriers, barricades, warning signs, detours, fences, flagmen and all other devices to protect the public. All applicable safety standards shall be followed.
  - .1 All excavations or obstructions shall be clearly marked between sunset and sunrise with proper warning flares or lights.
  - .2 Replace any existing road signs if they are removed or damaged during construction.
- .5 The Contractor shall obtain prior approval to block traffic temporarily if it is necessary to do so to perform the work. Obtain the written approval of Parks Canada, and the Departmental Representative. At least 2 weeks prior to actually blocking traffic notify the following:
  - .1 Local RCMP Detachment
  - .2 Local Fire Department
  - .3 PWGSC
  - .4 Parks Canada
  - .5 Utility Companies
- .6 One lane of Tunnel Mountain Road must be kept open at all times.
- .7 The Contractor shall maintain/provide access to all campground properties adjacent to the work at all times.
- .8 Alternate access to campground and campground properties are to be provided by the Contractor. The Contractor shall provide 96 hours advance notification of access changes and shall co-ordinate changes with the Departmental Representative.

- .9 For the Site Repairs portion of the project, the Contractor shall have access to a maximum of two lanes within Trailer Court A or Trailer Court B at any one time. Once two lanes are complete and approved by the Departmental Representative, the Contractor may commence work on the next two lanes. As two lanes are completed and approved, they will become available for public camping.
- .10 Contractor is to follow a logical progression of work that will allow the maximum number of campsites to be opened during the camping season.
- .11 Paving to proceed upon completion of all Site Repairs and must occur after the Labour Day Long Weekend.
- .12 Adequate construction parking meeting local regulations shall be provided by the Contractor.
- .13 Haul routes shall be maintained by the Contractor. They shall be kept open to traffic and shall be clean at all times.
- .14 Contractor may only close one half of any road at any one time during construction.

**PART 2 PRODUCTS**

**2.1 NO PRODUCTS.**

**PART 3 EXECUTION**

**3.1 TEMPORARY EROSION AND SEDIMENTATION CONTROL**

- .1 Provide temporary erosion and sedimentation control measures in accordance with Section 01 35 43 - Environmental Procedures.

**END OF SECTION**