

PART 1 - GENERAL

1.1 DESCRIPTION

- .1 This section specifies requirements for demolishing and removing wholly or in part various items designated to be removed or partially removed.
- .2 Demolition and removal will consist of, but not necessarily be limited to, the following:
  - .1 Demolition, removal, and disposal of existing ladders, wheelguard, wheelguard blocking, coping, fenders, portion of existing concrete deck, cleat pedestals and scour protection in the areas identified on the drawings.
  - .2 Demolition, removal and disposal of uplands asphalt for new underground electrical feeds.

1.2 GENERAL  
REQUIREMENTS

- .1 A Notice to Shipping is to be issued prior to commencement and upon completion of work.
- .2 During construction, any vessels or barges utilized must be marked in accordance with the provisions of the Canada Shipping Act Collision Regulations.
- .3 Upon completion of the project, a written Notice to Mariners must be issued.

1.3 PROTECTION

- .1 Protect existing objects designated to remain. In event of damage, immediately replace or make repairs to approval of and at no additional cost to Canada.
- .2 Place a floating boom around entire demolition site to prevent loss of any materials.

- .3 Remove all floating debris from water on a routine and timely basis.

PART 2 - PRODUCTS  
NOT APPLICABLE

PART 3 - EXECUTION

3.1 EXECUTION

- .1 Inspect site and verify with Departmental Representative objects designated for removal.
- .2 Locate and protect utility lines. Preserve in operating condition active utilities traversing site.

3.2 REMOVAL

- .1 Remove in their entirety all materials and objects specified for removal.
- .2 Do not disturb adjacent work designated to remain in place.

3.3 DISPOSAL OF MATERIAL

- .1 All demolished materials, except materials designated to be reused, will become property of contractor and will be removed from site and disposed of to satisfaction of Departmental Representative and in accordance with environmental guidelines. It is the sole responsibility of the contractor to dispose of all demolished materials at an approved disposal site. Ensure that disposal site is approved and willing to accommodate any materials disposed of from work site.
- .2 Contractor shall obtain and pay for all necessary permits and disposal fees for use of an approved waste disposal site.

3.4 RESTORATION

- .1 Upon completion of work, remove debris, trim surfaces and leave work site in clean condition.
- .2 Reinstate areas and existing works outside areas of demolition to conditions that existed prior to commencement of work.

3.5 SURFACE  
PREPARATION

- .1 Sandblast and clean thoroughly by vacuum or air blast, exposed concrete and steel contact surfaces against which fresh concrete, overlay or grout is to be placed. Remove all foreign matter, laitance and loose concrete so as to present a clean sound surface with coarse aggregate exposed. Sandblast to commercial blast clean condition all exposed reinforcing to Steel Structures painting Council Standard SSPC-SP-6 (Commercial Clean) unless noted or directed otherwise.

3.6 CLEAT PEDESTAL  
REMOVAL

- .1 Concrete shall be removed to a minimum depth identified on drawings below original lines. If concrete is to be removed by jackhammer, the maximum hammer mass permitted is 13 kg. All tools used in concrete removal shall be pointed. When concrete is required to be removed around reinforcing steel, then the maximum hammer size permitted shall be 7kg. The Contractor shall take care not to damage any existing steel. The Departmental Representative shall be the sole judge of the extent of removal required.
- .2 The concrete substrate and all exposed reinforcing steel shall be satisfactorily sandblasted until the steel is free from all rust and all loose concrete particles have been dislodged. Fine particles of concrete shall be removed using jets of oil-free compressed air or water producing a minimum pressure of 6 Mpa. If the substrate is wet at the time of cleaning, then high pressure

water jets shall be used to remove these particles. Air compressors must be equipped with a functional oil trap.

- .3 No concrete shall be placed until the prepared surface to be restored is inspected and approval in writing is given by the Departmental Representative.

3.7 CLEAT REPAIR

- .1 The steel mooring cleats shall be satisfactorily sandblasted until the steel is free from all rust and loose particles. Paint cleat to requirements at Section 35 59 29 - Mooring Devices.