

PART 1 - GENERAL

1.1 Description

- .1 This section specifies requirements for the removal and temporary storage of materials to be reused in the work, reinstatement of materials to be reused and the disposal of construction waste materials at an approved disposal sites or for storage on site as directed by the Departmental Representative. The work includes:
 - .1 The partial removal of the wharf structures 302 and 304, to the lines and grades shown on plan.
 - .2 The removal of the concrete deck from structures 302, 304 and 405, and storage on storage on site as directed by the Departmental Representative.
 - .3 The excavation and disposal of the excavated material: 1) wharf backfill material and 2) excavated materials from the harbour bottom and channel bottom in the existing dredged spoils containment cell.
 - .4 The total removal of the wheel guard, steel angles, steel plates, ladders and concrete deck over the area shown on plan.
 - .5 The construction of access roads.

1.2 Related Work

- .1 Section 01 14 10: Scheduling and Managing of Work.
- .2 Section 01 35 44: Environmental Protection Procedures for Marine Work.
- .3 Section 01 74 21: Waste Management and Disposal.
- .4 Section 31 23 10: Excavation, Trenching and Backfilling.

1.3 Measurement Procedures

- .1 Construction/Demolition/Mob/Demob: Costs associated with the removal and disposal of construction waste material, the storage of materials to be reused, the reinstallation of the materials to be reused, temporary facilities, access roads including all labour, plant, equipment and necessary materials, will constitute a lump sum price, (LS), and shall consist of, but not be limited to, the following:

- .1 Removal and disposal:
 - .1 The partial removal of the steel piling and disposal.
 - .2 The removal and disposal of the steel angles, steel plates, holdfast and steel ladders.
- .2 Removal and Storage on Site:
 - .1 The removal and storage on site of the concrete deck.
- .3 Removal and disposal on site:
 - .1 The excavation, transportation and disposal of the excavated material: 1) wharf backfill material and 2) excavated materials from the harbour and channel bottoms in the existing dredged spoils containment cell.
- .4 Temporary facilities and work plate-form:
 - .1 The supply, installation, maintenance and removal of temporary facilities.
 - .2 The design, approvals, construction and removal of the work plate-form.
- .2 Treated Timber Disposal: The removal and disposal of debris will be measured for payment by the tonne of material disposed of at an approved waste processing facility. Included will be the cost for transportation, handling and tipping fee to dispose of the waste material at the approved disposal site. The Contractor must provide copies of the weight slips from the land fill site to the Departmental Representative with the request for payments.
 - .1 All treated timber: wheel guard and chocks, etc. must be disposed at an approved regional land fill disposal site.
- .3 Concrete deck slab removal: The removal and storage on site of the concrete deck will be measured for payment by the square metre of material removed and that is stored in the wharf backup area where directed by the Departmental Representative.

- .4 Temporary Facilities: There will not be any separate item for payment for the provision and maintenance of temporary office for the Departmental Representative, contractors on site office, equipment storage facility, portable toilets, etc. Include the cost for this work in the above item 1.3.1 for payment.
- .5 Temporary Work Plate-form: There will not be any separate item for payment for construction of temporary access structures. Include the cost for this work in the above item 1.3.1 for payment.
- .6 Barriers/Security Devices: There will not be any separate item for payment for the provision and maintenance of barriers and security devices. Include the cost for this work in the above item 1.3.1 for payment.
- .7 There will not be any payment for snow and ice removal. Include the cost of doing this work in the items for payment.

PART 2 - PRODUCTS

NOT APPLICABLE

PART 3 - EXECUTION

3.1 Execution

- .1 Inspect site and verify with Departmental Representative materials and designated for removal.

3.2 Removal

- .1 Remove in their entirety all materials and objects specified for removal including all fastenings. Carefully remove materials designated to be reused.
 - .1 Any material that the Contractor salvages which are to be recycled for re-use will be properly cleaned. The treated timbers will have all spikes or any other fasteners and holdfast removed. The material will be neatly stockpiled on site in strapped bundles.

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| | .2 | Do not disturb adjacent work designated to remain in place. |
| | .3 | Verify with Departmental Representative items to be reused in the work. |
| <u>3.3 Stockpiling</u> | .1 | Obtain the approval of the Department Representative for the use of a storage site for the materiel to be re-used in the work. |
| <u>3.4 Concrete Deck Removal</u> | .1 | The concrete deck will be removed and stored on site at a location approved by the Departmental Representative. |
| | .2 | The reinforced concrete deck is constructed with two rows of reinforcing steel, top and bottom, and the deck thickness varies between 150 mm to 185 mm. |
| | .3 | The concrete deck will be cut into sections approximately 2 metres by 6 metres for storage on site. |
| | .4 | The concrete deck will not be reused in this project. |
| <u>3.5 Restoration</u> | .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. |