

## **Part 1 – General**

### **1.1 RELATED SECTIONS**

- .1 Section 01 11 01, Work Related General Information.

### **1.2 METHOD OF MEASUREMENT**

- .1 Unless otherwise indicated, the provision of expertise and the supply of materials, labour, tools, equipment, protection, transportation, administrative costs, profit, financing, etc., required to complete the work of this contract are included in each of the items described below.
- .2 Tendered prices shall include the cost of miscellaneous work which, although not specified in the contract documents, are customary and necessary for the completion of works required under this contract so that such works fulfill their intended use.
- .3 The Contractor shall provide, no later than two (2) weeks after notice of acceptance of offer the detailed breakdown of each item measured as an inclusive (global) unit for approval by the Departmental Representative.
- .4 The method of measurement for the categories of labour, tools, equipment or materials required to perform the work of this project is as follows:
  - .1 ITEM NO 01 – MOBILIZATION  
This item will be paid following delivery of facilities to the site.
  - .2 ITEM NO 02 - DEMOBILIZATION  
This item will be paid when the site facilities have been removed; includes final cleaning of the site.
  - .3 ITEM NO 03 – SITE LAYOUT  
This item will be paid in proportion to the work performed and includes all project work that is not itemized on the bid form, as well as all the items covered by the following specification sections:
    - .1 01 11 01 – Work Related General Information.
    - .2 01 14 00 – Work Restrictions.
    - .3 01 29 83 – Payment Procedures for Testing Laboratory Services.
    - .4 01 32 16.07 – Construction Progress Schedule - Bar Chart (Gantt).
    - .5 01 33 00 – Submittal Procedures.
    - .6 01 35 29.06 – Health and Safety Requirements.
    - .7 01 35 43 – Environmental Procedures.

- .8 01 51 00 – Temporary Utilities.
- .9 01 52 00 – Construction Facilities.
- .10 01 56 00 – Temporary Barriers and Enclosures.
- .11 01 74 11 – Cleaning.
- .12 01 74 21 – Construction/Demolition Waste Management and Disposal.

Any activity related to the continuity of operations at the wharf is also included in this item.

.4 ITEM NO 04 – ACCESS DOOR THROUGH THE SHEET PILING OF THE PILE WHARF

This item includes the supply and installation of an access door. The activities of this payment item include, without limitation, creating an opening in the sheet pile, the assembly and installation of steel components that make up the access door. Also include in this item the opening of the existing hatch on the East side which will require cutting some of the bolts and its closing with new bolts at work completion.

.5 ITEM NO 05 – STEEL SHEET PILE REPAIRS

This item includes, without limitation, surveying the actual dimensions of the repairs to be performed, the fabrication of steel plates and other elements comprising the work, surface preparation and installation; dismantling of certain interfering elements such as rungs and any other component, and their replacement where required. It is important to note that the details shown on the drawings are intended to indicate the repair design principle and it is expected that the Contractor will adjust the concept to the geometry and alignment of the elements on site, which vary with their location.

.6 ITEM NO 06 – REPAIR OF THE H PILES UNDER THE TRANSFER SLAB

This item includes, without limitation, an underwater survey prior to construction in order to locate and validate the piles that need repair. Elevations and pile thicknesses must also be assessed to ensure that the proposed design can be employed. Templates will be used to check the thickness of the H pile flanges to ensure that elements other than those shown on the drawings do not become a safety issue.

This item includes the fabrication and installation of the pile repair elements, as well as all the elements required for their adjustment on site. This item also includes a final video inspection of the repairs performed toward the acceptance of the work.

.7 ITEM NO 07 – REPLACEMENT OF THE WALER BOLTS IN THE PILE WHARF

This item includes, without limitation, the removal and disposal of defective bolts and nuts; the cutting of bolts where required; the supply of new assemblies (bolts, nuts, plates) and the installation of the new assemblies.

This item also includes a final video inspection of the repairs performed toward the acceptance of the work.

.8 ITEM NO 08 – CORRECTION OF A DRAINAGE PROBLEM

This item includes, without limitation, the cutting of a reinforced concrete curb, the excavation of a trench and the disposal of excavated materials, the moving of a number of riprap stones, and the supply and placement of geotextile; the placement of clean stone, site grading, and cleaning of the slab in the undrained area.

.9 ITEM NO 09 – REPAIR OF JOINTS IN THE CONCRETE SLAB

This item includes, without limitation, the definition, with saw cuts, of the area to be demolished, concrete demolition and disposal of demolition materials; cleaning of the repaired area as directed by the manufacturer of the repair concrete; placement of the repair concrete and curing; saw cuts and introduction of sealant into the joint.

.10 ITEM NO 10 – SUPPLY AND INSTALLATION OF RUBBER FENDERS

This item includes the supply of materials, the assembly and installation of fenders as well as adjusting the tension in the fasteners.

.11 ITEM NO 11 – ALLOWANCE FOR VARIOUS METAL FABRICATION

This allowance is provided for various works to be carried out on an hourly basis to the site. The exact scope of work will be discussed at the inception meeting.

**Part 2 - Products**

**2.1 NOT USED**

.1 Sans objet.

**Part 3 - Execution**

**3.1 NOT USED**

.1 Sans objet.

**END OF SECTION**