

**The following changes in the bid documents are effective immediately. This addendum will form part of the contract documents.**

**SECTION: 01 11 05 - GENERAL INSTRUCTIONS**

1.1 DESCRIPTION OF WORK

.1.2.3 Delete in its entirety.

Replace with:

.3 Remove and dispose concrete ramp, concrete, block, and concrete mass on shoreline.

1.12 EXISTING SERVICES

Add the following:

.8 The existing 38 mm diameter private water lines within 50 mm diameter conduits below the asphalt roadway shall be protected from damage throughout construction.

1.23 WATER LEVELS

.1 Delete in its entirety.

Replace with:

.1 Water levels on Lake Superior are subject to periods of low water conditions followed by periods of variable higher water conditions.

**SECTION: 03 30 00 – CAST-IN-PLACE CONCRETE**

3.5 INSTALLATION/APPLICATION

.11 Delete in its entirety.

.12 Delete in its entirety.

**SECTION: 03 41 00 – PRECAST STRUCTURAL CONCRETE**

2.2 MATERIALS

.8 Delete in its entirety.

Replace with:

.8 Reinforcing bars: in accordance with Section 03 20 00 Concrete Reinforcing.

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**SECTION: 05 50 00 – METAL FABRICATIONS**

2.1 MATERIALS

.9 Delete in its entirety.

Replace with:

.9 Rubber for fenders:

.1 Rubber elements shall be extruded rubber, homogeneous, and free from any defects, impurities, and cracks to the following properties:

.1 Hardness: 73+/-5 Durometer Z4 to ASTM D2240.

.2 Tensile Strength: 9600 kPa to ASTM D412.

.3 Polymer: 100% EPDM Z3 to ASTM D2000

.2 Submit Shop Drawings signed and sealed by a professional engineer licensed in the Province of Ontario indicating the rubber fender units, along with energy absorption/reaction curves and deflection rating curves.

2.8 SLEEPERS BELOW BOAT LAUNCH

.2 Delete in its entirety.

**SECTION: 06 10 00 – TIMBER CRIBWORK**

1.1 MEASUREMENT FOR PAYMENT

.1 Delete in its entirety.

Replace with:

.1 Payment for the timber cribs shall be by each crib and installed as indicated on the drawings. Payment at the unit price shall include all cribwork timbers, decking, ballast floor timbers, fasteners, shims, ballast, and wood preservation.

1.3 MATERIALS

.3.1 Delete in its entirety.

Replace with:

.1 Backfill material: Ballast in accordance with Section 32 11 23 – Aggregate Materials.

2.2 CRIB CONSTRUCTION

.2 Delete in its entirety.

Replace with:

.2 Ballast Floor

.1 Ballast Floor shall be 191 mm x 191 mm sawn sized lumber, spaced at 225 mm centres across the base of the cribs..

.2 Secure each Ballast Floor timber contact to bottom crib timbers with two-19 mm x

350 mm drift pins.

Add the following:

- .7 Decking
  - .1 Decking shall be 38x140 mm sawn sized lumber laid heart side down. Planks shall be spaced 6 mm apart and secured with two-200 mm galvanized spiral spikes per timber contact.
  - .2 Planks to be cut flush with outer faces of work.
  - .3 All planks to be pre-drilled for the spikes to prevent splitting.
  - .4 In cases where the thickness of deck planks vary due to shrinkage or swelling, planks are to be sorted and installed so that changes in elevations are kept to a minimum. Chamfer edges of plank where changes cannot be avoided.

## **SECTION: 31 23 33.01 – EXCAVATING AND BACKFILLING**

### 1.7 EXISTING CONDITIONS

Add the following:

- .3 Existing building north of wharf
  - .1 Conduct a preconstruction survey of the existing building north of the wharf.
    - .1 Document, by means of digital, date stamped photographs, and written records, the existing preconstruction condition of the building such that potential impacts due to pile installation and proximity of heavy equipment can be assessed. Work shall be undertaken under the direction and guidance of a Professional Engineer.
    - .2 Provide a summary condition report including photographic record (hard copy and digital) stamped by a Professional Engineer licensed in the Province of Ontario.
    - .3 Permission to enter the premises shall be the responsibility of the Contractor.

## **SECTION: 31 61 13 – PILE FOUNDATIONS, GENERAL REQUIREMENTS**

### 3.4 DRIVING TOLERANCES

- .1 Delete in its entirety.

Replace with:

- .1 Pile heads (for H-piles and steel sheet piles) to be within 50 mm of locations indicated.

- .2 Delete in its entirety.

Replace with:

- .2 Piles (H-piles and steel sheet piles) not to be more than 1% of length out of vertical alignment.

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**SECTION: 32 11 23 – AGGREGATE MATERIALS**

2.1 PRODUCTS

Add the following:

- .9 Ballast
  - .1 Hard, dense, with relative density (formally specific gravity) not less than 2.65, durable quarry stone, free from seams, cracks, or other structural defects.
  - .2 Stone larger than 200 mm diameter, but smaller than 400 mm diameter.

**SECTION: 35 51 23 – FLOATING DOCK SYSTEM**

1.5 ACTION AND INFORMATIONAL SUBMITTALS

- .9 Delete in its entirety.

Replace with:

- .9 Design load of 2.4 kPa (50 psf) for gangways.

**DRAWINGS**

The following drawings are amended:

- JML Engineering Drawing 2018074 S-1 of 13, Rev. 1
- JML Engineering Drawing 2018074 S-2 of 13, Rev. 1
- JML Engineering Drawing 2018074 S-9 of 13, Rev. 1
- JML Engineering Drawing 2018074 S-12 of 13, Rev. 1