

**Part 1            General**

**1.1            SECTION INCLUDES**

- .1    Administrative and procedural requirements for unit prices further to requirements specified in Part C – General Conditions and Part D – Supplementary Conditions.
  - .1       Measurement and payment criteria applicable to Work performed under a unit price payment method.

**1.2            UNIT PRICES**

- .1    Description:
  - .1       Unit prices are an amount incorporated in the Contract for a specific product or portion of Work with a specified product on a per unit basis.
- .2    Requirements:
  - .1       Unit prices include requirements specified in C12.2.3, and:
    - .1           Labour and material.
    - .2           Cost for delivery.
    - .3           Handling.
    - .4           Temporary storage, including insurance.
    - .5           Demolition, surface preparation, and installation, where specified, shown on Drawings to be included in a Unit Price.
    - .6           Fees for overhead and profit.
    - .7           Insurance, bonds and applicable taxes.
  - .2       Unit prices exclude the following which are to be included in the Total Price as allocated to a Lump Sum class of work on Form B: Prices:
    - .1           Access requirements,
    - .2           Site protection of existing building equipment and finishes,
    - .3           Barriers and enclosures for the unit price Work,
    - .4           Safe Work procedure preparation,
    - .5           Construction facilities, utilities and controls to facilitate Unit Price work.
  - .3       Refer to individual Sections for construction activities requiring unit prices.
- .3    Measurement and Payment Procedures:
  - .1       Unit prices are included in the Total Bid Price incorporating the estimated quantities provided.
    - .1           Unit prices are part of the Total Bid Price contract amount and not to be allocated to cash allowances, if included in the Contract.
  - .2       Actual quantities will be identified by the Contract Administrator in the presence of and with the assistance of the Contractor. The quantity will be measured and agreed upon by the Contractor and the Contract Administrator prior to commencement of the specified Unit Price Work.
  - .3       If the quantity is increased over that originally measured without consultation with the Contract Administrator, the Contractor will not be paid for the increased quantity.
  - .4       Increases in quantities of unit prices included in the Contract will be changed by a Change Order based on the unit prices included in the Contract and as entered on Form B: Prices.
  - .5       Decreases in quantities of unit prices included in the Contract will be changed by a Change Order based on the unit prices included in the Contract and as entered on Form B: Prices.

### 1.3 SCHEDULE OF UNIT PRICES:

- .1 Supplemental reinforcing:
  - .1 Related section:
    - .1 Section 03 20 00 – Concrete Reinforcing.
  - .2 Unit prices:
    - .1 Supplemental reinforcing - Form B: Prices Item No.: 3.
  - .3 Measurement procedures:
    - .1 Measure reinforcing steel in kilograms of steel incorporated into Work, computed from theoretical unit mass specified in CSA-G30.18 for lengths and sizes of bars as indicated or authorized in writing by the Contract Administrator.
    - .2 Unit of measure: Per kilogram (kg).
      - .1 Minimum unit of payment: 0.5 kg.
- .2 Supplemental dowels:
  - .1 Related section:
    - .1 Section 03 20 00 – Concrete Reinforcing.
  - .2 Unit prices:
    - .1 10M Dowels - Form B: Prices Item No.: 4.
    - .2 15M Dowels - Form B: Prices Item No.: 5.
    - .3 20M Dowels - Form B: Prices Item No.: 6.
  - .3 Measurement procedures:
    - .1 Dowels will be measured individually and will include dowel drilling, cleaning, preparation, epoxy supply and placement, and bar insertion, but excluding steel costs which will be covered by the supplemental reinforcing Unit Price per kilogram.
    - .2 The Contract Administrator and the Contractor will count and agree upon the numbers and lengths of bars as well as the number of bar embedment. These agreed upon number will form the basis for payment.
    - .3 Unit if measure: Per dowel.
      - .1 Minimum unit of payment: 1 dowel.
- .3 Top surface concrete repairs:
  - .1 Related sections:
    - .1 Section 03 10 00 – Concrete Forming and Accessories.
    - .2 Section 03 20 00 – Concrete Reinforcing.
    - .3 Section 03 91 10 – Surface Preparation of Concrete Delamination Repair.
    - .4 Section 03 92 12 – Top Surface Concrete Repairs with Rapid Setting Mortar.
  - .2 Unit prices:
    - .1 0mm to 75mm depth – Form B: Prices Item No.: 7.
    - .2 75mm to 150mm depth – Form B: Prices Item No.: 8.
    - .3 Through-slab – Form B: Prices Item No.: 9.
  - .3 Measurement procedures:
    - .1 In accordance with this section.
    - .2 Primary depth: Up to 75mm and at no point less than 25mm inches in depth.
    - .3 Secondary depth: Up to 150mm depth and at no point less than 75mm in depth.

- .4 Repairs less than 25mm deep will be competed as a scaling repair.
- .5 Unit of measure: m<sup>2</sup>.
  - .1 Minimum payment for repair areas will be 0.1m<sup>2</sup>.
- .4 Scaling repairs:
  - .1 Related sections:
    - .1 Section 03 91 10 – Surface Preparation of Concrete Delamination Repair.
    - .2 Section 03 92 20 – Scaling Repairs.
  - .2 Unit price:
    - .1 Scaling repair – Form B: Prices Item No.: 10.
  - .3 Measurement procedures:
    - .1 In accordance with this section.
    - .2 Depth: Up to 25mm inches in depth.
      - .1 Repairs deeper than 25mm will be completed as top surface concrete repair.
    - .3 Unit of measure: m<sup>2</sup>.
      - .1 Minimum payment for repair areas will be 0.1m<sup>2</sup>.
- .5 Concrete hand patching:
  - .1 Related sections:
    - .1 Section 03 91 10 – Surface Preparation of Concrete Delamination Repair.
    - .2 Section 03 93 10 – Hand Patching.
  - .2 Unit price:
    - .1 Hand Patching – Form B: Prices Item No.: 11.
  - .3 Measurement procedures:
    - .1 In accordance with this section.
    - .2 The unit price submitted will apply to removal depths of up to 50 mm and at no point less than 12mm in depth.
      - .1 Repairs over 50 mm in depth will be repaired via pressure grouting in accordance with Section 03 93 20.
    - .3 Unit of measure: m<sup>2</sup>.
      - .1 Minimum payment for repair areas will be 0.05m<sup>2</sup>.
- .6 Concrete pressure grouting repair:
  - .1 Related sections:
    - .1 Section 03 10 00 – Concrete Forming and Accessories.
    - .2 Section 03 20 00 – Concrete Reinforcing.
    - .3 Section 03 91 10 – Surface Preparation of Concrete Delamination Repair.
    - .4 Section 03 93 20 – Pressure Grouting.
  - .2 Unit price:
    - .1 Horizontal concrete slab soffit:
      - .1 0mm to 75mm depth – Form B: Prices Item No.: 12.
      - .2 75mm to 150mm depth – Form B: Prices Item No.:13.
    - .2 Vertical concrete wall/column:
      - .1 0mm to 75mm depth – Form B: Prices Item No.: 14.
      - .2 75mm to 150mm depth – Form B: Prices Item No.: 15.
  - .3 Measurement procedures:

- .1 In accordance with this section.
- .2 Primary depth: Up to 75mm and at no point less than 25mm inches in depth.
- .3 Secondary depth: Up to 150mm depth and at no point less than 75mm in depth.
- .4 Repair areas less than 25mm will be completed as a hand patch repair.
- .5 Unit of measure: m<sup>2</sup>.
  - .1 Minimum payment for repair areas will be 0.1m<sup>2</sup>.
- .7 Form and pour concrete repair:
  - .1 Related sections:
    - .1 Section 03 10 00 – Concrete Forming and Accessories.
    - .2 Section 03 20 00 – Concrete Reinforcing.
    - .3 Section 03 91 10 – Surface Preparation of Concrete Delamination Repair.
    - .4 Section 03 93 30 – Form and Pour.
  - .2 Unit price:
    - .1 Vertical form and pour:
      - .1 0mm to 75mm depth – Form B: Prices Item No.: 16.
      - .2 75mm to 150mm depth – Form B: Prices Item No.: 17.
  - .3 Measurement procedures:
    - .1 In accordance with this section.
    - .2 Primary depth: Up to 75mm and at no point less than 25mm inches in depth.
    - .3 Secondary depth: Up to 150mm depth and at no point less than 75mm in depth.
    - .4 Repair areas less than 25mm will be completed as a hand patch repair.
    - .5 Unit of measure: m<sup>2</sup>.
      - .1 Minimum payment for repair areas will be 0.1m<sup>2</sup>.
- .8 Embedded galvanic anodes:
  - .1 Related sections:
    - .1 Section 03 98 10 – Embedded Galvanic Anodes.
  - .2 Unit price:
    - .1 Embedded galvanic anodes – Form B: Prices Item No.: 18.
  - .3 Measurement procedures:
    - .1 In accordance with this section.
    - .2 Repair patches to receive galvanic anodes, and frequency of installation, will be identified by the Contract Administrator.
    - .3 Unit of measure: per anode.
      - .1 Minimum payment for repair areas will be 1 anode.
- .9 Flowable grout properties testing:
  - .1 Related sections:
    - .1 Section 03 92 12 – Top Surface Concrete Repairs with Rapid Setting Mortar.
    - .2 Section 03 92 20 – Scaling Repairs.
    - .3 Section 03 93 10 – Hand Patching.
    - .4 Section 03 93 20 – Pressure Grouting.
    - .5 Section 03 93 30 – Form and Pour with Repair Mortar.

- .2 Unit price:
  - .1 Flowable grout properties testing – Form B: Prices Item No.: 19.
- .3 Measurement procedures:
  - .1 In accordance with this section.
  - .2 Unit of measure: per mortar cube.
    - .1 Minimum payment for repair areas will be 1 mortar cube.
- .10 Direct pull-out tensile tests:
  - .1 Related sections:
    - .1 Section 03 91 10 – Surface Preparation for Concrete Delamination Repairs.
    - .2 Section 03 92 12 – Top Surface Concrete Repairs with Rapid Setting Mortar.
    - .3 Section 03 92 20 – Scaling Repairs.
    - .4 Section 03 93 10 – Hand Patching.
    - .5 Section 03 93 20 – Pressure Grouting.
    - .6 Section 03 93 30 – Form and Pour with Repair Mortar.
    - .7 Section 09 30 13 – Ceramic Tiling.
  - .2 Unit price:
    - .1 Flowable grout properties testing – Form B: Prices Item No.: 20.
  - .3 Measurement procedures:
    - .1 In accordance with this section.
    - .2 Unit of measure: per test core.
      - .1 Minimum payment for repair areas will be 1 test core.
- .11 Concrete testing agency fieldwork and reporting:
  - .1 Related sections:
    - .1 Section 03 91 10 – Surface Preparation for Concrete Delamination Repairs.
    - .2 Section 03 92 12 – Top Surface Concrete Repairs with Rapid Setting Mortar.
    - .3 Section 03 92 20 – Scaling Repairs.
    - .4 Section 03 93 10 – Hand Patching.
    - .5 Section 03 93 20 – Pressure Grouting.
    - .6 Section 03 93 30 – Form and Pour with Repair Mortar.
    - .7 Section 09 30 13 – Ceramic Tiling.
  - .2 Unit price:
    - .1 Concrete testing agency fieldwork and reporting – Form B: Prices Item No.: 21.
  - .3 Measurement procedures:
    - .1 In accordance with this section.
    - .2 Unit of measure: per site visit.
      - .1 Minimum payment for repair areas will be 1 site visit.
- .12 Concrete testing scanning for reinforcing:
  - .1 Related sections:
    - .1 Section 03 91 10 – Surface Preparation for Concrete Delamination Repairs.
    - .2 Section 03 92 12 – Top Surface Concrete Repairs with Rapid Setting Mortar.

- .3 Section 03 92 20 – Scaling Repairs.
- .4 Section 03 93 10 – Hand Patching.
- .5 Section 03 93 20 – Pressure Grouting.
- .6 Section 03 93 30 – Form and Pour with Repair Mortar.
- .7 Section 09 30 13 – Ceramic Tiling.
- .2 Unit price:
  - .1 Concrete testing scanning for reinforcing – Form B: Prices Item No.: 22.
- .3 Measurement procedures:
  - .1 In accordance with this section.
  - .2 Unit of measure: per site visit.
    - .1 Minimum payment for repair areas will be 1 site visit.
- .13 Crack repair prior to ceramic tiling:
  - .1 Related sections:
    - .1 Section 09 30 13 – Ceramic Tiling.
  - .2 Unit price:
    - .1 Crack repair prior to ceramic tiling – Form B: Prices Item No.: 23.
  - .3 Measurement procedures:
    - .1 In accordance with this section.
    - .2 The unit price submitted will apply to removal depths of up to 50 mm and at no point less than 12mm in depth.
      - .1 Repairs over 50 mm in depth will be repaired via pressure grouting in accordance with Section 03 93 20.
    - .3 Unit of measure: m.
      - .1 Minimum payment for repair areas will be 0.1m.

**Part 2 Products**

**2.1 NOT USED**

- .1 Not Used.

**Part 3 Execution**

**3.1 NOT USED**

- .1 Not Used.

**END OF SECTION**