

PART 1 - GENERAL

1.1 General Requirements

- .1 The Form of Tender includes one lump sum priced item and several unit priced items.
- .2 The total tendered price shall be the sum of the lump sum item plus the amounts calculated from the unit priced items based on the approximate quantities identified for each of the unit priced items.
- .3 The Contractor in submitting their Tender for the project understand that they will only be entitled to payment under the unit priced items when prior written authorization has been received from the Departmental Representative for utilization and then only to the extent of the work authorized by the Departmental Representative.
- .4 Additional instructions for measurement and/or payment for items of the work may be contained in specific sections of the Technical Specifications. In the case of a conflict between the instructions for measurement and payment contained in this section with that of any other section, the requirement of this section shall apply.
- .5 The submitted tender prices will be inclusive of all costs for the complete supply and installation of all materials, labour and equipment required to complete the work. No separate payment will be made for any testing, inspections and approvals required by Contractor.
- .6 All measurement shall be along a horizontal plane unless otherwise indicated.

1.2 Lump Sum Item

- .1 No separate measurement for payment shall be made for any work completed under this item.
  - .2 The work of the lump sum item shall include, all other works which are required for completion of the project, exclusive of those covered by the unit priced items.
  - .3 All and any items not specifically included in the unit price items are considered incidental
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to the work and are to be included in the lump sum portion of the work.

1.3 Unit Price Items

- .1 Cast In Place Reinforced Concrete for Deck and Curbs:
    - .1 Unit of Measurement: metres cubed (m3)
    - .2 Method of Measurement: Volume of consolidated concrete installed in completed structures. Waste materials are not included.
    - .3 This item includes: furnishing of all materials, aggregates, cement, supplementary cementing materials, concrete mixes, admixtures, reinforcing steel, tools, equipment, falsework, forms, bracing, chairs, bolsters, ties, labour, curing, surface finishing, and all other items required to complete the work.
    - .4 Supply, installation and securing of Reinforcing Steel is incidental to this work and is included in this item.
  
  - .2 Cast In Place Reinforced Concrete for Footings, Walls and Wingwalls:
    - .1 Unit of Measurement: metres cubed (m3)
    - .2 Method of Measurement: Volume of consolidated concrete installed in completed structures. Waste materials are not included.
    - .3 This item includes: furnishing of all materials, aggregates, cement, supplementary cementing materials, concrete mixes, admixtures, reinforcing steel, tools, equipment, falsework, forms, bracing, chairs, bolsters, ties, labour, curing, surface finishing, and all other items required to complete the work.
    - .4 Supply, installation and securing of Reinforcing Steel is incidental to this work and is included in this item.
  
  - .3 Cast In Place Concrete, Non-reinforced, Mud Slab:
    - .1 Unit of Measurement: metres cubed (m3)
    - .2 Method of Measurement: Volume of consolidated concrete installed in completed structures. Waste materials are not included.
  
  - .4 Clearing:
    - .1 Unit of measurement: hectare (ha).
    - .2 Method of Measurement: horizontal area.
    - .3 This item includes: clearing and disposal of
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all roadside vegetation, including trees (standing and felled), shrub vegetation, underbrush, and embedded logs, to limits as indicated and as directed by Departmental Representative.

- .5 Grubbing and Soil Stripping:
    - .1 Unit of measurement: hectare (ha).
    - .2 Method of Measurement: horizontal area.
    - .3 This item includes: removal and disposal of roots, rootmat, humus, stumps, boulders and rock fragments to limits as indicated and as directed by Departmental Representative.
    - .4 This item also includes excavation of topsoil, stockpiling on site, placement and compaction to lines and elevations indicated, and disposal of surplus or unsuitable material off-site.
  
  - .6 Common Excavation and Embankment:
    - .1 Unit of Measurement: cubic meter (m<sup>3</sup>).
    - .2 Method of Measurement: average end area method between cross sections taken after removal to lines and elevations indicated.
    - .3 This item includes: excavation, placement and compaction to lines and elevations indicated, and disposal of surplus or unsuitable material off-site.
    - .4 This item also includes common excavation for structure foundations.
  
  - .7 Rock Excavation and Embankment:
    - .1 Unit of Measurement: cubic meter (m<sup>3</sup>).
    - .2 Method of Measurement: average end area method between cross sections taken after removal to lines and elevations indicated.
    - .3 This item includes: excavation, placement and compaction to lines and elevations indicated, and disposal of surplus or unsuitable material off-site.
    - .4 This item also includes rock excavation for structure foundations.
  
  - .8 Imported Embankment Materials:
    - .1 Unit of Measurement: cubic meter (m<sup>3</sup>).
    - .2 Method of Measurement: average end area method between cross sections taken after removal to lines and elevations indicated.
    - .3 This item includes: supply, placement, hauling and compaction of materials for roadway
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construction as indicated on the drawings.

.4 Owner-supplied stockpiles of blasted rock and crushed aggregates, suitable for further processing, are available for use at Contractor's discretion. Stockpiles are located at Rocky Barachois (approx. 7 km from site). Refer to Section 31 05 17 - Aggregates: General.

.9 Rip Rap:

.1 Unit of Measurement: Metric Tonne (1000 kg)

.2 Method of Measurement: Scale tickets signed by Departmental Representative, except as provided below.

.3 This item includes: supply, placement, hauling and compaction.

.4 There shall be no payment for extra thickness of materials placed outside of limits. Whenever in the opinion of the Departmental Representative there is extra thickness, the appropriate weight will be deducted.

.5 This item also includes geotextile at the locations of rip rap dispersion aprons.

.10 Asphalt Milling and Removal:

.1 Unit of measurement: square meter (m<sup>2</sup>).

.2 Method of Measurement: horizontal surface area subject to cold planning to required depth, rounded to one decimal place.

.3 This item includes: labour, materials and equipment to; carry out the cold planing to the required depth, sweep the planed surface and load and haul milled material for placement on local gravel roads within the Park boundaries at locations and quantities as follows and as directed by the Departmental Representative:

.1 Lomond Road, off Route 431 (approx. 15km intersection with Route 430); 3,900m<sup>3</sup> (approx.).

.11 Granular Sub-base, Granular Base and Fill Against Structure:

.1 Unit of Measurement: Metric Tonne (1000 kg).

.2 Method of Measurement: Scale tickets signed by Departmental Representative, except as provided below.

.3 This item includes: supply, placement, hauling and compaction of materials as indicated on the drawings. This item also includes scarification and compaction of existing

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sub-grade below materials.

.4 There shall be no payment for extra thickness of materials placed outside of limits. Whenever in the opinion of the Departmental Representative there is extra thickness, the appropriate weight will be deducted.

.5 Owner-supplied stockpiles of blasted rock and crushed aggregates are available for use at Contractor's discretion. Stockpiles are located at Rocky Barachois (approx. 7 km South of site). Refer to Section 31 05 17 - Aggregates: General.

.12 Asphalt Tack Coat:

.1 Unit of measurement: square meter (m2).

.2 Method of Measurement: horizontal surface area, rounded to one decimal place.

.3 This item includes: labour, materials and equipment used to clean the existing surface, supply and apply tack coat, together with the provision of portable traffic lights, if required. This item also includes tack coat application on any vertical joints at limits of surface areas.

.13 Hot Mix Asphalt (HMA):

.1 Unit of Measurement: Metric Tonne (1000 kg)

.2 Method of Measurement: Scale tickets signed by Departmental Representative, except as provided below.

.3 This item includes: supply, placement and compaction of asphaltic concrete, including asphalt binder, as indicated.

.4 There shall be no payment for extra thickness or extra width of asphalt placed. Wherever in the opinion of the Departmental Representative there is extra thickness, the appropriate weight will be deducted.

.5 Owner-supplied stockpiles of blasted rock, suitable for further processing, are available for use at Contractor's discretion. Stockpiles are located at Rocky Barachois (approx. 7 km from site). Refer to Section 31 05 17 - Aggregates: General.

.14 Traffic Line Painting:

.1 Unit of measurement: kilometer (km).

.2 Method of Measurement: along centerline of roadway, rounded to two decimal places.

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.3 This item includes: line painting, including reflective glass beads, of centerlines to match existing layout (double solid, solid/dash or single dash lines), two shoulder lines, as well as all intersections, arrows, delineation, special markings, etc., for the full length of the work area.

.4 No additional payment for traffic control associated with the application of pavement markings shall be made.

.5 This item also includes all temporary striping required during the course of construction.

.6 All pavement markings to be in accordance with the Manual of Uniform Traffic Devices for Canada (MUTDC), latest edition.

.15 Guiderail:

.1 Unit of Measurement: meter (m).

.2 Method of Measurement: along the top of rail through posts.

.3 This item includes: removal of existing, excavation, supply and placing posts, rail, end treatments, accessories, and surface reinstatement.

## PART 2 - PRODUCTS

2.1 Not Used .1 Not Used.

## PART 3 - EXECUTION

3.1 Not Used .1 Not Used.

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