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Highway 430 Realignment, Deep Cove		
Project NO. R.062334.001		2014-02-10

PART 1 - GENERAL

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| <u>1.1 Measurement</u> | .1 | All measurement shall be along a horizontal plane unless otherwise indicated. |
| <u>1.2 Pay Items</u> | .1 | All items in this contract will be paid for by cost included in the unit prices and one Lump Sum Payment for costs not include in these items. |
| | .2 | Items: |
| | .1 | Removal of Existing Asphalt: |
| | .1 | Unit of Measurement: square metre (m ²). |
| | .2 | Method of Measurement: slope measure of indicated area at mean depth. |
| | .3 | This item includes: saw cutting, cold planning, scarifying and off-site disposal of asphalt at a facility approved by the Departmental Representative. |
| | .2 | Clearing and Grubbing: |
| | .1 | Unit of Measurement: square metre (m ²). |
| | .2 | Method of Measurement: slope measure of indicated area at mean depth. |
| | .3 | This item includes: removal and off-site disposal of trees, stumps, brush rootmat, humus, common and other organic material from indicated areas. |
| | .3 | Guiderails: |
| | .1 | Unit of Measurement: metre (m). |
| | .2 | Method of Measurement: along the top of the steel rail through posts. |
| | .3 | This item includes: excavation, removal and disposal of posts, rail and hardware as well as backfilling of post holes with common; supply and installation of treated wood posts, steel guiderail and all associated hardware. |
| | .4 | Excavation - Stripping |
| | .1 | Unit of Measurement: square metre (m ²). |
| | .2 | Method of Measurement: slope measure of indicated area at mean depth of 400mm as indicated on the Project Drawings. |
| | .3 | This item includes: excavation and off-site disposal of sod and topsoil to the lines and elevations indicated on the Project |

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Drawings. This item also includes scarifying the existing roadway, temporary stockpiling and side slopes. Any stripping over 400mm deep will be prorated. Stripping to be measured after clearing and grubbing.

- .5 Excavation - Rock:
 - .1 Unit of Measurement: cubic metre (m³).
 - .2 Method of Measurement: average end area method of cross sections taken every 10m before and after excavation of rock.
 - .3 This item includes: blasting, mechanical excavation of rock and transportation to Rocky Barachois for processing. Surplus rock excavated over and above project requirements to be stockpiled at Rocky Barachois for future use.
- .6 200mm Excavated Rock Fill
 - .1 Unit of Measurement: cubic metre (m³).
 - .2 Method of Measurement: average end area method of cross sections taken every 10m before and after excavation of rock.
 - .3 This item includes: rock processing and stockpiling at Rocky Barachois, transportation to site, placement and compaction of all well graded 200mm excavated rock fill material for roadway construction.
- .7 150mm Excavated Rock Fill
 - .1 Unit of Measurement: cubic metre (m³).
 - .2 Method of Measurement: average end area method of cross sections taken every 10m before and after excavation of rock.
 - .3 This item includes: rock processing and stockpiling at Rocky Barachois, transportation to site, supply, placement and compaction of all 150mm excavated well graded rock fill material for roadway construction.
- .8 Granular Base Course:
 - .1 Unit of Measurement: cubic metre (m³).
 - .2 Method of Measurement: average end area method of cross sections taken every 10m before and after placement and compaction of granular base materials.
 - .3 This item includes: rock processing and stockpiling at Rocky Barachois, transportation to site, placement and

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compaction of all granular base material for roadway construction.

- .9 Granular Sub-Base Course:
 - .1 Unit of Measurement: cubic metre (m³).
 - .2 Method of Measurement: average end area method of cross sections taken every 10m before and after placement and compaction of granular sub-base materials.
 - .3 This item includes: rock processing and stockpiling at Rocky Barachois, transportation to site, placement and compaction of all graded granular sub-base material for roadway construction.
- .10 Solar Message Board:
 - .1 Unit of Measurement: Each (Ea).
 - .2 This item includes: supply of solar message board and locate as directed by the Departmental Representative.
- .11 1600mm CSP Culverts (Supply Only):
 - .1 Unit of Measurement: metre (m).
 - .2 Method of Measurement: along the centerline of pipe.
 - .3 This item includes: supply and storage of CSP culvert at Rocky Barachois.
- .12 1600mm CSP Culverts (Install Only)
 - .1 Unit of Measurement: metre (m).
 - .2 Method of Measurement: along the centerline of pipe.
 - .3 This item includes: excavation, trenching, installation, backfilling, and compaction of CSP culvert, complete with bedding, as indicated on the Project Drawings. Also include rip rap headwalls, dissipation pool and any other work associated with the culvert installation. This item also includes supply and placement of rip rap and boulders for the dissipation pool as shown on the Project Drawings.
- .13 1200mm CSP Culverts (Supply Only)
 - .1 Unit of Measurement: metre (m).
 - .2 Method of Measurement: along the centerline of pipe.
 - .3 This item includes: supply and storage of CSP culvert at Rocky Barachois.

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- .14 1200mm CSP Culverts (Install Only):
 - .1 Unit of Measurement: metre (m)
 - .2 Method of Measurement: along the centerline at the pipe.
 - .3 This item includes: excavation, trenching, installation, backfilling and compaction of CSP Culvert (complete with bedding) as directed by the Site Representative.
- .15 Rock Bolting (25mm dia., 7m long):
 - .1 Unit of Measurement: Each (Ea).
 - .2 This item includes: supply and installation of rock bolts as directed by the Departmental Representative.
- .16 Asphalt Paving:
 - .1 Unit of Measurement: tonne (t).
 - .2 Method of Measurement: weigh scale tickets approved by the Departmental Representative.
 - .3 This item includes: supply, placement and compaction of asphalt including tack coat.
- .17 Crushing and Stockpiling of Base
 - .1 Unit of Measurement: cubic metre (m³).
 - .2 Method of Measurement: average end area method of cross sections taken after crushing and stockpiling of rock material.
 - .3 This item includes: crushing of surplus base rock material and stockpiling at Rocky Barachois.
- .18 Crushing and Stockpiling of Subbase
 - .1 Unit of Measurement: cubic metre (m³).
 - .2 Method of Measurement: average end area method of cross sections taken after crushing and stockpiling of rock material.
 - .3 This item includes: crushing of surplus excavated subbase rock material and stockpiling at Rocky Barachois.