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- 1.0 Appendix 1
- Combined Price Form .1 See revised Unit Price Table attached to this addendum for the addition of Rock Borrow.
- 2.0 Specification
Revisions .1 Section 01 29 00 - Project Particulars and Measurement:
- .1 Clause 1.3.3.2: Replace with:
 - .1 Method of Measurement: All excavation required for culvert removal, and installation will not be measured separately for payment but shall be incidental to culvert installation including removal and disposal of existing asphalt.
 - .2 Remove Clause 1.3.6 - Rock Borrow
 - .3 Remove Clause 1.3.9 - Asphalt Tack Coat
 - .4 Clause 1.3.10.4: Replace with:
 - .1 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. PCA will not be responsible for over-supply of asphalt and will not pay for over-supply of asphalt regardless of quantity.
 - .5 Clause 1.3.12.3: Replace with:
 - .1 Payment include: placement, hauling and compaction of owner supplied RAP for shoulder reconstruction. This item also includes grading and compaction of existing subgrade below granular materials prior to their installation to provide required subgrades.
 - .6 Remove Clause 1.3.12.4.
- .2 Section 31 23 10 - Excavating, Trenching & Backfilling:
- .1 Clause 1.3.1: Replace with:
 - .1 Excavation classes: three (3) classes of excavation will be recognized; common excavation, rock excavation and channel excavation.
 - .2 Clause 1.3.1.1: Replace with:
 - .1 Common excavation: excavation of materials of whatever nature which are not included under definitions of rock excavation and includes removal and disposal of asphalt for installation of new culverts.
 - .3 Add Clause 1.3.1.2:
 - .1 Rock Excavation: solid material in excess of 1.00 m³ and which cannot be removed
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by means of heavy duty mechanical excavating equipment with 0.95 to 1.15 m³ bucket. Frozen material is not classified as rock.

- .4 Add Clause 1.3.1.3:
 - .1 Channel Excavation: excavation and placing of material excavated for improvement of existing watercourses and watercourse channel requirements.
 - .5 Clause 2.1.1: Replace with:
 - .1 Rock Borrow: Blasted or crushed rock consisting of durable crushed stones, having 100% by mass pass through a 150mm x 150mm screen, and a maximum 10% by mass pass through a maximum 100mm x 100mm screen. Rock to consist of angular fragments obtained by breaking and crushing solid or natural rock, reasonable free from thin, flat elongated or other objectionable pieces and fines or as otherwise approve by the Departmental Representative.
 - .6 Add Clause 2.1.2:
 - .1 Backfill: suitable selected material from excavation or other sources, approved by Departmental Representative for use intended, unfrozen and free from rocks larger than 200 mm, cinders, ashes, sods, refuse or other deleterious materials.
 - .7 Clause 3.4.1: Replace with:
 - .1 Use types of fill as indicated or specified below. Compaction densities are percentages of maximum densities obtained from ASTM D698.
 - .8 Add Clause 3.4.1.1:
 - .1 Culvert Backfill: Suitable excavated material: fill to subgrade level. Compact to 95% of corrected maximum dry density.
 - .9 Remove Clause 3.4.2.
- .3 Section 32 01 16 - Removal of Existing Asphalt:
- .1 Part 1 - General, Not Applicable: Replace with:
 - .1 Work includes removal of existing asphalt as required for installation of new culvert. Removal and disposal of existing asphalt including cutting, excavation, removal from site and disposal of material outside of Park shall not be measured separately for payment but considered incidental to the works.
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- .2 Add Clause 3.1.2:
 - .1 Removal of existing asphalt shall be accomplished by either excavation or by cold-milling.
 - .3 Clause 3.2.1: Replace with:
 - .1 Cutting of the transverse butt joint shall be done by either cutting with a saw or cold-milling machine to achieve a straight line.
 - .4 Remove Section 32 12 13.16 - Asphalt Tack Coat.
 - .5 Section 32 12 16 - Hot Mix Asphalt Concrete Paving:
 - .1 Remove Clause 3.2.4 - Material Transfer Device.
 - .2 Remove Clause 3.5.5.2.
 - .3 Remove Clause 3.6.2.1.
 - .4 Remove Clause 3.6.2.10.
 - .5 Clause 3.6.3 Breakdown Rolling: Replace with:
 - .1 Rolling:
 - .6 Clause 3.6.3.1: Replace with:
 - .1 Commence rolling immediately following rolling of transverse and longitudinal joint and edges.
 - .7 Clause 3.6.3.3: Replace with:
 - .1 Accomplish finish rolling with steel drum roller while material is still warm enough for removal of roller marks.
 - .8 Remove Clause 3.6.4 - Second rolling and all sub-clauses.
 - .9 Remove Clause 3.6.5 - Finish rolling and all sub-clauses.
 - .6 Section 33 42 13 - Pipe Culverts
 - .1 Clause 2.3.1: Replace with:
 - .1 Couplers to be Annular Corrugated or Universal Dimple Couplers with a minimum width of 600mm. Couplers shall extend 360 degree around the pipe, fastened with bolts, include a watertight gasket and match the pipe material.
 - .2 Clause 3.10.1: Revise with:
 - .1 Assembly and installation of the arch culvert shall be monitored by a qualified representative of the culvert manufacturer or designer. This representative will be responsible for approval of the backfill materials; approval of the sequence and
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procedures for placing and compacting backfill materials; supervising culvert assembly and installation; and generally ensuring that the culvert is installed in accordance with the requirements of the culvert designer and culvert manufacturer. This representative shall monitor the Contractor's operations on a full time basis during backfilling operations. The contractor shall be responsible for any costs associated with providing the qualified representative.

.3 Clause 3.10.3: Replace with:

.1 The Contractor shall allow the concrete footings to cure to 80% of the specified design strength before commencing the assembly of the structural plate and fastening to the footing.

END OF SECTION