

Approved: 2006-03-31

**Part 1 General**

**1.1 MEASUREMENT AND PAYMENT - GENERAL**

- .1 Payments will be made on the basis of the lump sum prices bid and the unit prices bid in the Tender, and in accordance with the Terms and Conditions of the Contract.
- .2 The prices bid for various items of work, unless specifically noted otherwise, shall include the supply of all labour, material, plant, equipment, profit and overhead necessary to construct the work in accordance with the drawings and specifications.
- .3 The prices bid for supply of materials and installation of materials shall be full compensation of supplying, hauling, installing, cleaning, testing, and placing in service together with all other work subsidiary and incidental thereto for which separate payment is not provided elsewhere.
- .4 The method of measurement of the quantities for payment and the basis for payment will be in accordance with the following items of this section. All measurement will be done by the Contractor using generally accepted field survey methods and will be verified by the Departmental Representative.
- .5 All materials on site whether existing structures, vegetation, topsoil, gravel, sand or other excavated, or piled materials are the property of the Owner or the owner of the land on which the work is located. Only those materials specifically noted in the specification or on drawings as belonging to the Contractor shall become the Contractor's property.
- .6 Where there are excess excavated materials, unsuitable materials excavated or materials of any kind that are excavated but not used in the work, such materials are not the property of the Contractor unless authorized in writing by the Departmental Representative or specified to be disposed of by the Contractor.
- .7 Each unit price shall be the full and only amount payable for the unit and all things directly or indirectly required to complete it in accordance with the contract, such as, but not limited to delivering, erecting, handling, re-handling, storing, consumable items, temporary facilities, scaffolding, protecting, painting, setting out, disposing, clean up, measuring, calculating, scheduling, administration, supervising, inspection, testing, overhead, profit and ancillary/incidental items thereto for which separate payment is not elsewhere provided.
- .8 Each item will be measured for payment in the unit stated in the Schedule of Prices. The unit prices in the Schedule shall remain unchanged notwithstanding differences between the actual quantities and quantities shown herein.
- .9 The items listed in the Schedule of Prices shall, when all considered together, cover the entire Scope of the Work required by the Tender Documents at the time of tendering. The scope of each item is, and shall be, interpreted accordingly.
- .10 Provisional items as identified in the Schedule of Prices are discretionary and will be determined by the Owner if they are to be constructed as part of the work following the award of this Contract.

## **Part 2 Measurement and Payment Items**

### **2.1 GENERAL REQUIREMENTS**

- .1 This Lump Sum Price will include all costs associated in mobilizing, maintaining and demobilizing the site, required to execute the work including:
  - .1 Specified insurance, equipment, operating overhead, mobilization and demobilization costs required to maintain the workforce on site.
  - .2 Safeguarding work areas including safety program, provision of temporary access roadways, temporary paths, temporary barriers, delineators, barricades, flashing lights, signage, flagmen and other measures required to protect the public from the worksite and to provide access at intersecting streets, including maintenance of such items. Note that fencing and signage protecting the construction site from public access is to be included in General Requirements.
  - .3 Temporary material storage and handling.
  - .4 Maintenance of stockpile and material conditioning sites including restoration.
  - .5 Installation of project signs supplied by Owner.
  - .6 Notification of Alberta First Call and other private sources necessary to obtain all underground utility locations.
  - .7 Location of existing utilities by Hydrovacating or other approved means.
  - .8 Accommodation of vehicle and pedestrian traffic affected by the work, including planning, signage, temporary pavement markings, barricades, traffic control and public notification.
  - .9 Akamina Parkway Road – Site Access Road (Closed to Public)  
The Contractor to provide personnel to coordinate and direct traffic using a radio-controlled system on the section of road closed to the public. This requirement applies at all times when hauling operations are underway. **Rev 1**
  - .10 Assume role and responsibility of Prime Contractor under the Occupational Health and Safety Act.
  - .11 Construction Survey requirements including all labour, materials and coordination required to complete Construction Surveys for the Project.
  - .12 Materials Testing and Quality Control as specified in Section 01 45 00 - Quality Control.
  - .13 Supply, maintenance and utility costs for field offices as specified in Section 01 52 00 – Construction Facilities.
  - .14 The Contractor's responsibilities and requirements as outlined in all specification sections which are not included elsewhere.
- .2 Measurement: The Owner will base payment for this lump sum item on a percentage of work completed in dollars.
- .3 Payment: Lump Sum price bid.

## **2.2 DUST, EROSION AND SEDIMENT CONTROL**

- .1 This lump sum item is to include all costs in providing care and control of dust and water including furnishing, installing and maintaining all pumps, hoses, power sources and related equipment required for dewatering the various parts of the work. Dust, erosion and sediment control shall also include maintaining excavations and foundations and other parts of the work free of water, ice and snow from whatever source. This lump sum item also includes all costs in providing all dust and erosion control requirements of any regulatory agency. The erosion and sediment control measures shall include preparation of an Erosion and Sediment Control Plan (prior to construction and subject to approval by Departmental Representative), supply, and installation of erosion control measures as well as maintenance of the erosion and sediment control measures throughout construction and to issuing of the final acquisition certificate (FAC). This lump sum item also includes protection of adjacent areas outside of the limits of construction from water, run-off, or dust originating within the limits of construction. Payment shall also include removal and disposal of the erosion and sediment control measures at the time of FAC.
- .2 Measurement: Payment for this lump sum item is based on a percentage of work completed in dollars.
- .3 Payment: Lump Sum price bid.

## **2.3 COMMON EXCAVATION**

- .1 Common Excavation will include excavation of all existing materials to the design grade elevations required within the construction area. Excavated materials will be utilized on-site for embankment fill material where necessary and compacted to 98% determined by Standard Proctor Density at +/-2% of optimum moisture content. The Unit Price shall be full compensation for excavation to grade, loading, hauling, stockpiling, re-hauling, placing, spreading, moisture conditioning, compacting, and final trimming to sub-grade elevations. There shall be no additional compensation for overhaul.
- .2 Measurement: Cubic metres determined by survey of stockpile cross-sections before and after placement.
- .3 Payment: Unit price bid per cubic meter placed which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

## **2.4 TOPSOIL STRIPPING TO STOCKPILE**

- .1 Topsoil Stripping and Stockpiling: the price shall be full compensation for stripping and stockpiling of excavated topsoil and maintaining stockpiles for the duration of construction.
- .2 Measurement: Cubic metres determined by survey of stockpile cross-sections after stripping.
- .3 Payment: Unit price bid per cubic meter stripped and stockpiled which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

## **2.5 PLACEMENT OF STOCKPILED TOPSOIL**

- .1 The Unit Price shall be full compensation for final placement of stockpiled topsoil. Price includes loading, hauling, spreading, trimming and shaping to the depth specified.
- .2 Measurement: Cubic metres determined by survey of stockpile cross-sections before and after placement.
- .3 Payment: Unit price bid per cubic meter placed which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

## **2.6 CLEARING AND GRUBBING**

- .1 Clearing and grubbing shall include the removal of trees, stumps, brush, roots, grass, weeds, misc. debris and other deleterious materials or any other misc. items for which separate payment is not specified elsewhere within the project limits. Disposal, to a designated on site disposal area, of organic material and debris is considered to be incidental to this item.
- .2 Removal of all tree roots, tree limbs and logs remaining from the Parks 2015 tree felling program of Fall 2015 is included in this work as follows, with associated estimated quantities. **Rev 1**
  - .1 Approximately 150 tree stumps to be mechanically removed and grinded. Clean up and disposal of chipped and ground material, outside of Waterton Lakes National park, is included in the lump sum price. All associated organic topsoil is to be salvaged.
  - .2 Approximately 800 m<sup>3</sup> of loosely piled tree limbs is to be chipped, ground loaded, hauled, and disposed outside of Waterton Lakes National park.
  - .3 Approximately 1000-1200 logs with typical dimensions of 3m-4m length and 0.2m-0.6m diameter are to be loaded, hauled and neatly piled at the maintenance compound within the Park.
- .3 Measurement: The Owner will base payment for this lump sum item on a percentage of the clearing and grubbing work completed in dollars. **Rev 1**
- .4 Payment: Lump Sum price bid. **Rev 1**

## **2.7 WASTE EXCAVATION AND DISPOSAL**

- .1 The Unit Price shall be full payment for excavation, loading, hauling, and disposal of material.
- .2 Measurement: Waste excavation quantities will be determined in cubic metres from survey cross-sections of the area of removal before excavation begins and after excavation is complete.
- .3 Payment: Unit price bid per cubic meter removed from site which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.8 ASPHALT MILLING AND STOCKPILING**

- .1 The Unit Price shall be full payment for milling, loading, hauling, and stockpiling of asphalt material to a designated area.
- .2 Measurement: Field measured in horizontal square metres of asphalt removed. No payment will be made for asphalt milling completed outside the specified limits.
- .3 Payment: Unit price bid per horizontal square meter which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.9 ROLLED CURB**

- .1 The Unit Price shall be full compensation for base preparation and compaction, formwork, supply and placing of concrete, jointing, finishing, curing, sealing and backfilling. Where curb and gutter is installed adjacent to existing asphalt, controlled density fill rehabilitation between the curb and the existing asphalt shall be included in the price for the adjacent curb and gutter.
- .2 Measurement: Field measurement of lineal meters of concrete curb and gutter installed.
- .3 Payment: Unit price bid per lineal metre of concrete curb and gutter installed which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.10 CONCRETE SWALE**

- .1 The Unit Price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the specified size swale as detailed in drawings, and shall include base courses, concrete reinforcement, excavation, installation, equipment required, benching, trimming, backfilling and compaction.
- .2 Measurement: Field measurement of lineal meters of concrete swale installed.
- .3 Payment: Unit price bid per lineal metre of concrete swale and gutter installed.

**2.11 CONCRETE SLABS & VACUUM TRUCK SLABS**

- .1 The Unit Price shall be full compensation for base preparation and compaction of base courses, formwork, supply and placing of concrete, jointing, reinforcing, benching, finishing, curing, sealing, equipment required, backfilling, final compaction and all other ancillary work items associated with the each specified size slab as detailed in drawings.
- .2 Measurement: Field count of completed concrete slab.
- .3 Payment: Unit price bid which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.12 CONCRETE SIDEWALK**

- .1 The Unit Price shall be full compensation for base preparation and compaction, formwork, supply and placing of concrete, jointing, reinforcing, benching, finishing, curing, sealing, equipment required, backfilling, final compaction and all other ancillary work items associated with the construction of each specified size sidewalk.
- .2 Measurement: Field measured in lineal metre of specified size concrete sidewalk in accordance with project drawings and specifications.

- .3 Payment: Unit price bid per lineal meter which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.13 W-BEAM GUARD RAIL**

- .1 Measurement: Field measured in lineal meters of installed roadside steel W-beam guide rail including posts and necessary hardware and measured from outer tips of steel W-beam guide rail, including guide rail used in anchorages and terminal sections.
- .2 Payment: Unit price bid per lineal meter which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.14 SUBGRADE PREPARATION**

- .1 The Unit Price for subgrade preparation shall be full compensation for excavation, temporary stockpiling and double handling, scarifying, mixing, moisture conditioning rolling, spreading, shaping and compacting to the specified depths and density.
- .2 Measurement: Field measured in horizontal square metres of the subgrade preparation neat line areas before granular sub-base placement. No payment will be made for subgrade preparation completed outside the specified limits.
- .3 Payment: Unit price bid per horizontal square meter which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.15 GEOTEXTILE AND GEOGRID**

- .1 The Unit Price for Geotextile / Geogrid shall be full compensation for the supply, placement, cutting, shaping, pinning, and protection. The price tendered will be full compensation for supply and placement of the geotextile / Geogrid, in accordance with project drawings and specifications, including overlap as specified by the manufacturer of the fabric.
- .2 Measurement: Measured in horizontal square meters of surface covered which includes necessary overlap.
- .3 Payment: Unit price bid per horizontal square meter which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.16 CRUSHED GRANULAR SUB-BASE AND CRUSHED GRANULAR BASE COURSE**

- .1 Unit prices for crushed granular subbase course and crushed granular base course shall include supplying, hauling, handling, placing, spreading, mixing, ploughing, compacting, drying or adding water, fine grading, draining water, repairing base damaged by rain or excessive machinery traffic and any other ancillary work to comply with the requirements of the drawings and specifications.
- .2 Measurement: Measured in horizontal square meters of material compacted in place, as measured at the top surface neat line of each material. No payment shall be made for overbuild beyond the neat lines of the design template.
- .3 Payment: Unit price bid per horizontal square meter which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.17 ASPHALTIC CONCRETE – TYPE II and III**

- .1 Asphaltic plant mix shall include the preparation of the job mix design and job mix formula, the supply and placing of a prime coat and tack coat as required, supply of aggregates and asphalt, mixing, transporting, laying and compacting the surface course to the specified grade, thickness and density. This item shall also include the adjustment of all utility structures, unless measured and paid for separately, and clean-up.
- .2 Measurement: Measured in horizontal square metres to neat line of the finished asphaltic concrete surface (excluding side slopes). No payment will be made for asphaltic concrete installed outside the specified limits or bonus for asphalt compaction.
- .3 Payment: Unit price bid per horizontal square meter which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.18 CONCRETE TRAFFIC BARRIERS**

- .1 The unit price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the precast concrete traffic barrier in accordance with drawings and specifications, including supply and installation of anchoring dowels.
- .2 Measurement: Field count of each concrete traffic barrier installed.
- .3 Payment: Unit price bid per concrete traffic barrier.

**2.19 STANDARD CONCRETE PARKING CURB / BUMPER STOPS**

- .1 The unit price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the concrete parking curb / bumper stop in accordance with drawings and specifications.
- .2 Measurement: Field count of each concrete parking curb / bumper stop installed.
- .3 Payment: Unit price bid per concrete parking curb / bumper stop.

**2.20 BIO-SWALE**

- .1 Measurement: Field measured in lineal metres of bio-swale installed in accordance with the project drawings and specifications.
- .2 Payment: Unit price bid per horizontal lineal meter which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.21 SEDIMENT TRAPS**

- .1 Measurement: Field count of installed sediment traps.
- .2 Payment: Unit price bid per sediment trap which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.22 TRAIL CONSTRUCTION**

- .1 The unit price shall be full compensation for the supply of all labour, materials and equipment to completed trail construction in accordance with drawings and specifications, including excavation, subgrade preparation, compaction.

- .2 Measurement: Field measured in lineal metres of trail constructed in accordance with the project drawings and specifications.
- .3 Payment: Unit price bid per lineal meter which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.23 TIE TO EXISTING ROAD STRUCTURE**

- .1 Measurement: Measured as lump sum, full payment shall be made once the existing road structure tie-in has been completed in accordance with the project drawings and specifications.
- .2 Payment: Lump sum price bid for the existing road structure tie-in and saw-cutting, which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.24 FIBREGLASS CURB MARKING FLAGS**

- .1 The unit price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the fibreglass curb marking flag in accordance with drawings and specifications, including anchor bolts.
- .2 Measurement: Field count of each fibreglass curb marking flag installed.
- .3 Payment: Unit price bid per fibreglass curb marking flag.

**2.25 PLANTING**

- .1 Planting shall include the installation of all trees, shrubs, perennials, staking and any ancillary / incidental related work, in accordance with the project drawings and specifications. All plant materials shall be guaranteed by the Contractor until the Final Warranty Inspection.
- .2 Measurement: Field count per unit.
- .3 Payment: Unit price per tree or shrub.

**2.26 SEEDING WITH HYDROMULCH – NATIVE SEED MIX**

- .1 Measurement: Field measured in horizontal square metres of areas seeded with native seed mix after topsoil placement, in accordance with the project drawings and specifications. No payment will be made for seeding completed outside the specified limits.
- .2 Payment: Unit price bid per horizontal square meter which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.27 REMOVAL – CSP CULVERT**

- .1 This lump sum price shall be full compensation for removal and disposal of the existing CSP culvert, in accordance with project drawings and specifications, including preparation, demolition, loading, and hauling to disposal facility.
- .2 Measurement: Full payment shall be made once the existing CSP culvert has been removed and disposal has been completed.
- .3 Payment: Lump sum price bid.



**2.28 SIGNAGE**

- .1 The unit price shall be full compensation for supply and installation of signs, base, post, required hardware and all other ancillary work associated with the sign not noted elsewhere.
- .2 Measurement: Field count for each type of sign installed.
- .3 Payment: Unit price bid per sign which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.29 CAMERON LAKE ENTRY SIGN**

- .1 The lump sum price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the Cameron Lake entry sign in accordance with drawings and specifications.
- .2 Measurement: Full payment shall be made once the Cameron Lake entry sign has been completed.
- .3 Payment: Lump sum price bid.

**2.30 THERMOPLASTIC PAVEMENT MARKINGS**

- .1 The Unit Price will be full compensation for the supply of all labour, materials and equipment necessary to install Surface Applied Thermoplastic Pavement Markings in accordance with the project drawings and specifications. The Work will include cleaning the existing surface, surface preparation, material application and protection until curing is complete, in accordance with the manufacturer's specifications. A warranty period of five (5) years is required for thermoplastic pavement markings. Full payment for the surface applied thermoplastic pavement markings will not be released until the Certificate of Warranty is provided by the Contractor.
- .2 Line Measurement: Field measurement of lineal meters of paint lines completed.
- .3 Line Payment: Unit price bid per lineal meter of paint lines completed.
- .4 Symbol Measurement: Field count of each painted symbol completed.
- .5 Symbol Payment: Unit price bid per painted symbol completed.

**2.31 PAINTED PAVEMENT MARKINGS**

- .1 The unit price will be full compensation for the supply of all labour, materials and equipment necessary to install painted pavement markings in accordance with the project drawings and specifications. The Work will include cleaning the existing surface, surface preparation, material application, glass beads and protection until curing is complete, in accordance with the manufacturer's specifications. Contractor shall warranty the painted pavement markings until the Final Warranty Inspection.
- .2 Symbol Measurement: Field count of each painted symbol completed.
- .3 Symbol Payment: Unit price bid per painted symbol completed.
- .4 Solid Paint Measurement: Field measurement of square meters of painting completed.
- .5 Solid Paint Payment: Unit price bid per square meter.

**2.32 BEACH REHABILITATION AREA – SAND**

- .1 The Unit Price for beach rehabilitation area shall be full compensation for supplying, hauling, handling, placing, and spreading sand. Any other ancillary work to comply with the requirements of the drawings and specifications should also be included in this unit price.
- .2 Measurement: Field measured in horizontal square metres of the beach rehabilitation areas. No payment will be made for beach rehabilitation completed outside the specified limits.
- .3 Payment: Unit price bid per horizontal square meter which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.33 PICNIC TABLES**

- .1 The unit price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the picnic table in accordance with drawings and specifications, including fastening.
- .2 Measurement: Field count of each picnic table installed.
- .3 Payment: Unit price bid per picnic table.

**2.34 BENCHES**

- .1 The unit price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the bench in accordance with drawings and specifications, including fastening.
- .2 Measurement: Field count of each bench.
- .3 Payment: Unit price bid per bench.

**2.35 CONCRETE DECORATIVE WALL**

- .1 The unit price shall be full compensation for formwork, supply and placing of concrete, jointing, reinforcing, benching, finishing, curing, sealing, equipment required, backfilling, final compaction and all other ancillary work items associated with the Cameron Lake day use area concrete as detailed in drawings and specifications.
- .2 Measurement: Field measured in lineal metres of concrete decorative wall constructed in accordance with the project drawings and specifications.
- .3 Payment: Unit price bid per lineal meter which shall be full compensation for all labour, materials, and equipment necessary to complete the work. No payment shall be made until concrete tests results have been forwarded to Departmental Representative.

**2.36 PATHWAYS**

- .1 Measurement: Field measured in lineal metres of pathway constructed in accordance with the project drawings and specifications.
- .2 Payment: Unit price bid per lineal meter which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.37 CONCRETE PLAZA AND SITE FURNISHING PADS**

- .1 The unit price shall be full compensation for aggregate materials, compaction, formwork, supply and placing of concrete, jointing, reinforcing, benching, finishing, curing, sealing, equipment required, backfilling, final compaction and all other ancillary work items associated with the Cameron Lake day use area concrete as detailed in drawings and specifications.
- .2 Measurement: Field measured in horizontal square metres of concrete, in accordance with the project drawings and specifications. No payment will be made for concrete installation completed outside the specified limits. No payment shall be made until concrete tests results have been forwarded to Departmental Representative.
- .3 Payment: Unit price bid per horizontal square meter which shall be full compensation for all labour, materials, and equipment necessary to complete the work. No payment shall be made until concrete tests results have been forwarded to Departmental Representative.

**2.38 FLAGSTONE PLAZA**

- .1 The Unit Price shall be full compensation for supplying, loading, hauling, placing, jointing, finishing, cleaning, equipment required, and all other ancillary work items associated with the Cameron Lake day use area flagstone as detailed in drawings and specifications.
- .2 Measurement: Field measured in horizontal square metres of flagstone installed, in accordance with the project drawings and specifications. No payment will be made for flagstone installation completed outside the specified limits.
- .3 Payment: Unit price bid per horizontal square meter which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.39 PERMA BOULDERS**

- .1 The lump sum price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the perma boulders in accordance with drawings and specifications, and shall include excavation, installation, benching, backfilling and compaction.
- .2 Measurement: Field measured in horizontal square metres of perma boulders installed. No payment will be made for perma boulders installed outside the specified limits.
- .3 Payment: Unit price bid per horizontal square meter which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.40 GATEWAY ROCK FEATURE**

- .1 The lump sum price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the Cameron Lake entry sign in accordance with drawings and specifications.
- .2 Measurement: Field count of each completed gateway rock feature.
- .3 Payment: Unit price bid per gateway rock feature.

**2.41 RIP RAP**

- .1 The Unit Price shall be full compensation for the supply of all labour, materials and equipment for the installation of the rip rap, as detailed, including excavation and trimming, placement and anchoring of filter fabric, placement of rip rap, final shaping of rip rap, disposal of excess materials and clean-up.
- .2 Measurement: Field measurement of cubic meters of rip rap in place after installation.
- .3 Payment: Unit price bid per cubic metre.

**2.42 RELOCATE – RELIEF MAP AND TELESCOPE**

- .1 This unit price shall be full compensation for relocation of the relief map and telescope in the day use area, in accordance with project drawings and specifications, including preparation, removal, and re-installation.
- .2 Measurement: Full payment shall be made once the relief map and telescope have all been relocated.
- .3 Payment: Lump sum price bid.

**2.43 RELOCATE – PICNIC TABLES**

- .1 This unit price shall be full compensation for relocation of the existing picnic tables in the day use area, in accordance with project drawings and specifications, including preparation, removal, and re-installation.
- .2 Measurement: Field count of each picnic table relocated.
- .3 Payment: Unit price bid per picnic table.

**2.44 RESTORE AND RELOCATE – WOOD FENCE**

- .1 The unit price will include the preparation, removal, restoration and re-installation of posts, rails, hardware, site rehabilitation and all other ancillary work associated with fencing not noted elsewhere. All survey lay out and grading required will be considered incidental to this item.
- .2 Measurement: Field measurement of lineal meters of fence restored and relocated.
- .3 Payment: Unit price bid per lineal metre of fence restored and relocated

**2.45 SALVAGE AND REPLACEMENT – EXISTING STONE RETAINING WALL**

- .1 The lump sum price includes the preparation, removal, restoration, cleaning and re-installation of existing stone retaining wall; site rehabilitation and all other ancillary work associated with not noted elsewhere. All survey lay out and grading required will be considered incidental to this item. Not all of the existing stone shall be suitable for reuse and disposal of non-suitable stone is to be included in this lump sum price.
- .2 Measurement: Payment for this lump sum item is based on a percentage of work completed associated with the existing stone retaining wall, in dollars.
- .3 Payment: Lump sum price bid.

**2.46 REMOVAL – INTERPRETIVE CENTRE, WASHROOM AND WOODEN PATIO**

- .1 This lump sum price shall be full compensation for removal and disposal of the existing interpretive centre, washroom and wooden patio in the day use area, in accordance with project drawings and specifications, including preparation, demolition, loading, disposal fees, permits, and hauling to disposal facility.
- .2 Measurement: Full payment shall be made once the buildings and patio has been removed and disposal has been completed.
- .3 Payment: Lump sum price bid.

**2.47 REMOVAL – CAMERON LAKE WELCOME SIGN**

- .1 This lump sum price shall be full compensation for removal and disposal of the existing Cameron lake welcome sign, in accordance with project drawings and specifications, including preparation, demolition, loading, and hauling to disposal facility.
- .2 Measurement: Full payment shall be made once existing welcome sign has been removed and disposal has been completed.
- .3 Payment: Lump sum price bid.

**2.48 REMOVAL – TREES**

- .1 This unit price shall be full compensation for removal and disposal of the existing trees, in accordance with project drawings and specifications, including preparation, demolition, loading, and hauling to disposal facility.
- .2 Measurement: Field count of each tree removed from site.
- .3 Payment: Unit price bid per tree removed.

**2.49 DOCK SECTIONS**

- .1 The unit price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the dock sections in accordance with drawings and specifications.
- .2 Measurement: Field count of each installed dock section installed.
- .3 Payment: Unit price bid per dock section.

**2.50 GANGWAY, RAILING, GATE AND SUPPORT FRAME**

- .1 The unit price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the aluminum gangway with railing, lockable swing access gate, and the custom support frame which connects the dock section to the abutments in accordance with drawings and specifications.
- .2 Measurement: Field count of each installed aluminum gangway, railing, gate and support frame assembly installed.
- .3 Payment: Unit price bid per aluminum gangway, railing, gate and support frame assembly.

**2.51 ABUTMENT SUPPORT PILES AND HOOP PILES**

- .1 The unit price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the pile in accordance with drawings and specifications, including all work associated with increase or decrease in length including drilling, pounding, brackets, connections, and material. Additions or deletions of pile lengths to be approved by the Departmental Representative. Hoop hardware to be included in the unit price for hoop piles.
- .2 Measurement: Field count of each pile installed.
- .3 Payment: Unit price bid per pile.

**2.52 KAYAK LAUNCH AREA**

- .1 The unit price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the kayak launch area, launch frame and appurtenances in accordance with drawings and specifications.
- .2 Measurement: Field count of each kayak launch area installed.
- .3 Payment: Unit price bid per kayak launch area.

**2.53 ACCESSIBLE CANOE LAUNCH AREA**

- .1 The unit price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the accessible canoe launch area, launch frame and appurtenances in accordance with drawings and specifications.
- .2 Measurement: Field count of each accessible canoe launch area installed.
- .3 Payment: Unit price bid per accessible canoe launch area.

**2.54 DOCK ANCHOR SCREW PILE AND ANCHOR DAMPER**

- .1 The unit price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the dock anchor screw pile and hardware in accordance with drawings and specifications, including all work associated with increase or decrease in length including drilling and material. Alterations of pile lengths must be approved by the Departmental Representative. The anchor damper (Seaflex) and all associated work items required for its complete installation shall also be included in the unit price.
- .2 Measurement: Field count of each pile and damper assembly installed.
- .3 Payment: Unit price bid per pile and damper assembly.

**2.55 KAYAK RACK**

- .1 The unit price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the kayak rack, frame, brackets, mounting hardware, and posts in accordance with drawings and specifications.
- .2 Measurement: Field count of each kayak rack installed.
- .3 Payment: Unit price bid per accessible canoe launch area.

**2.56 DOCK ACCESS LADDER & THROW RING LIFE PRESERVER**

- .1 The unit price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the dock access ladder and throw ring life preserver with mounting hardware in accordance with drawings and specifications.
- .2 Measurement: Field count of each ladder and throw ring installed.
- .3 Payment: Unit price bid per ladder and throw ring.

**2.57 ABUTMENT ENLARGEMENT**

- .1 This lump sum price shall be full compensation for the enlargement of the existing East dock abutment and placement of new abutment concrete, in accordance with project drawings and specifications, including jointing, reinforcing, benching, finishing, curing, sealing, and equipment required.
- .2 Measurement: Full payment shall be made once the abutment enlargement has been completed.
- .3 Payment: Lump sum price bid.

**2.58 NEW WEST ABUTMENT**

- .1 This lump sum price shall be full compensation for the removal of the existing West dock abutment and placement of new abutment concrete, in accordance with project drawings and specifications, including jointing, reinforcing, benching, finishing, curing, sealing, and equipment required.
- .2 Measurement: Full payment shall be made once new abutment has been completed.
- .3 Payment: Lump sum price bid.

**2.59 REMOVAL – EXISTING DOCK AND ALL DOCK COMPONENTS**

- .1 This lump sum price shall be full compensation for removal and disposal of the existing dock sections and all dock components, in accordance with project drawings and specifications.
- .2 Measurement: Full payment shall be made once the existing dock and all dock components have been removed from the site and delivered to Parks Stores.
- .3 Payment: Lump sum price bid.

**2.60 BUILDINGS**

- .1 The lump sum price shall be full compensation for all work items associated with the construction of the building in accordance with the drawings and specifications not noted elsewhere. The lump sum shall include the complete installation of all wall assemblies, partitions, columns, panels, wood trusses, veneers, sheathing, soffits, roof assemblies, floor coatings, precast concrete, building foundations, building slabs, windows, doors, building trims, fixtures, hardware, equipment required, and all other miscellaneous, ancillary, and incidental items. The unit price for washrooms shall also include the concrete surrounding holding tanks, the prefinished metal wall vents and wall vent covers. All doors for washrooms stalls shall also have vents and vent covers.
- .2 Measurement: Field count of each type of building completely installed.

- .3 Payment: Lump sum price bid per building type.

**2.61 LUMP SUM EXCAVATION**

- .1 This lump sum price shall be full compensation for excavation required for building / bridge construction, and isolation measures required, in accordance with project drawings and specifications, including stockpiling.
- .2 Measurement: Full payment shall be made once the excavation has been completed.
- .3 Payment: Lump sum price bid which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.62 LUMP SUM BACKFILL**

- .1 This lump sum price shall be full compensation for backfilling required for building / bridge construction, in accordance with project drawings and specifications, including loading hauling, placing, grading, moisture conditioning and compaction. Grading building perimeter area is also included in this lump sum price.
- .2 Measurement: Full payment shall be made once backfilling has been completed
- .3 Payment: Lump sum price bid which shall be full compensation for all labour, materials, and equipment necessary to complete the work.

**2.63 HOLDING TANKS, PVC VENT STACKS AND SUPPORTS**

- .1 The unit price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the Romtec holding tanks with PVC vent stacks in accordance with drawings and specifications including all mounting straps, tie-downs, risers, and lids and all appurtenances. The holding tanks unit rate shall not include surrounding concrete.
- .2 Measurement: Field count of each holding tank with vent stack installed.
- .3 Payment: Unit price bid per holding tank with vent stack.

**2.64 WASHROOM ACCESSORIES**

- .1 The unit price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of all washroom accessories in each type of stall, including grab bars, toilet paper holders, napkin dispensers, coat hooks, and baby changing stations, in accordance with drawings and specifications.
- .2 Measurement: Field count of washroom stalls with all accessories completely installed
- .3 Payment: Unit price bid.

**2.65 CONCESSIONAIRE MECHANICAL**

- .1 The lump sum price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the propane piping, valves and fittings in accordance with drawings and specifications. The lump sum price shall also include full compensation for the storage cage (propane and generator storage) installation.
- .2 Measurement: Full payment shall be made once all of the mechanical work items are completely installed.



- .3 Payment: Lump sum price bid.

**2.66 CONCESSIONAIRE ELECTRICAL**

- .1 The lump sum price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the LED lighting system and all ancillary electrical work items.
- .2 Measurement: Full payment shall be made once all of the electrical work items are completely installed.
- .3 Payment: Lump sum price bid.

**2.67 STEEL DRIVEN PILES**

- .1 The unit price shall be full compensation for the supply of all labour, materials and equipment for the complete installation of the steel driven pile in accordance with drawings and specifications, including all work associated with increase or decrease in length including drilling and material. Alterations of pile lengths to be approved by the Departmental Representative.
- .2 Measurement: Field count of each pile installed.
- .3 Payment: Unit price bid per pile.

**2.68 MOVING AND REPLACING EXISTING BRIDGE STRUCTURE**

- .1 This lump sum price shall be full compensation for removal and replacement of the existing bridge structure, on the new abutments, in accordance with project drawings and specifications.
- .2 Measurement: Full payment shall be made once the existing structure has been removed and replaced on the new abutments.
- .3 Payment: Lump sum price bid which shall be full compensation for all labour, materials, equipment and all incidental items necessary to complete the work.

**2.69 GABIONS**

- .1 The Unit Price shall be full compensation for the supply of all labour, materials and equipment for the installation of gabions, as detailed, including excavation and trimming, placement of gabions, shaping, disposal of excess materials and clean-up.
- .2 Measurement: Field measurement of cubic meters of gabions in place after installation.
- .3 Payment: Unit price bid per cubic metre.

**2.70 SALVAGE AND REPLACEMENT – COMMEMORATIVE STONE**

- .1 This unit price shall be full compensation for salvage, preservation, and relocation of the existing Commemorative Stone in the day use area, in accordance with project drawings and specifications, including preparation, removal, and re-installation.
- .2 Measurement: Field count of each stone relocated.
- .3 Payment: Unit price bid per stone.

**2.71            REMOVAL – BRIDGE ABUTMENTS**

- .1        This lump sum price shall be full compensation for removal and disposal of the existing bridge abutments, isolation work required, in accordance with project drawings and specifications, including preparation, demolition, loading, and hauling to disposal facility.
- .2        Measurement: Full payment shall be made once the bridge abutments have been removed and disposal has been completed.
- .3        Payment: Lump sum price bid.

**END OF SECTION**