

**DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE
Province of Prince Edward Island**

**TENDER FORM AND AGREEMENT
Revision 0**

THIS AGREEMENT made by and between, herein called the Contractor, the Party of the First Part and The Government of Prince Edward Island as represented by the Minister of the Department of Transportation and Infrastructure, herein called the Minister, the Party of the Second Part.

WITNESS, AS FOLLOWS:

1. Definitions

The definition of terms used in this Tender Form and Agreement shall conform in all respects to the definition of terms contained in the document entitled "General Provisions and Contract Specifications for Highway Construction," published by the Department of Transportation and Infrastructure of the Province of Prince Edward Island as amended on the date of closing of Tenders pursuant to this Agreement.

2. General Covenant

The Contractor hereby covenants and agrees with the Minister as herein provided in connection with the following work, namely:

Route 2 - Abegweit Connects 2023
Section 00206, Station 2+385 – 3+321

For a total distance of 936 metres

This project commences 189m west of the western intersection of Route 2 and Red Stone Drive and proceeds easterly for a distance of 936 metres.

The work includes:

- a) Upgrades to Route 2: Earth excavation, storm sewer, cold planning, concrete curb, concrete apron, placing asphalt base, placing asphalt seal B, shouldering, landscaping, and all other work necessary to complete the Contract.
- b) Active Transportation Construction: Earth excavation, temporary road construction, concrete structure installation, constructing active transportation trail, constructing granular trail, storm sewer, placing structural fill, cold planning, concrete curb, concrete apron, placing asphalt seal B, shouldering, landscaping, and all other work necessary to complete the Contract.

TENDER CLOSES:

2:00 p.m., Thursday March 2, 2023

Tender Closing Location: Tenders shall be received at the Queens County Highway Depot, 355 Brackley Point Road, Charlottetown PE.

3. No Implied Contract

It is hereby understood and agreed between the parties hereto that no implied Contract of any kind whatsoever, by, or on behalf, of the Minister shall arise or be implied from anything contained in this Contract, or from any position or situation of the parties at any time, and that this Contract made by the Minister is, and shall be, the only Contract upon which any rights against the Minister are to be founded.

4. How Party of the First Part is Read

Whenever this Contract is entered into by more than one party or parties of the first part, the word "Contractor" shall be read "Contractors," and pronouns in the Contract referring to the Contractors shall be read as plural and whenever a corporation is the Party of the First Part, the said pronouns shall be read accordingly.

5. Consideration of Clauses as Covenants

Wherever it is stipulated that anything shall be done or performed by either of the Parties hereto, it shall have the same effect and be constructed as if such Party had entered into a covenant with the other Party to do or perform the same, and as if such covenant had been expressly made on the part of the Contractor, not only on the Contractor's own behalf, but also on the behalf of the Contractor's legal representative, successors or assigns; and as if any such covenant on the part of the Minister has been made on behalf of the Minister, and the Minister's successors in office.

6. Contractors Submission Respecting the Agreement

The Contractor shall, as part of the Contractor's submission respecting this Contract, complete the attached Schedule B, Identification of Principles; Schedule C, Schedule of Tendered Unit Prices; Schedule D, Schedule of Equipment to be used on the work; and Schedule E, Schedule of Sub-Contractors.

The Contract including all appended schedules shall be completed in complete conformity with the instructions to bidders contained in the document entitled "General Provisions and Contract Specification for Highway Construction".

In presenting the Contractor's submission for consideration by the Minister, the Contractor understands that until, and unless, the Contract is endorsed by the Minister, no Contract between the parties shall exist and the Minister shall not be bound to endorse any Contract.

7. Performance by Contractor

The Contractor, at the Contractor's own expense, shall, except as herein otherwise specifically provided, furnish and provide all and every kind of labour and superintendence, services, tools, implements, machinery, plant materials, articles and whatsoever is necessary for the due execution of the work. The Contractor shall fully construct and erect the work in the most thorough, professional and substantial manner, in every respect to the satisfaction and approval of the Engineer. The Contractor shall complete the work within the time specified herein and deliver it to the Minister in the manner and upon the terms and conditions of the Contract.

8. Bid and Performance Security

The Contractor hereby and herewith deposits with and delivers to the Minister, as security of the due fulfilment of the Contract, one of the following, which shall remain in effect for a minimum of 30 days after tender closing:

- a) a certified cheque equal to or greater than the amount stipulated in Schedule A - Schedule of Special Provisions.

OR

- b) a bank draft equal to or greater than the amount stipulated in Schedule A - Schedule of Special Provisions.

OR

- c) a bid format irrevocable standby letter of credit on a government approved form equal to or greater than the amount stipulated in Schedule A - Schedule of Special Provisions.

OR

- d) a bid bond equal to or greater than the amount stipulated in Schedule A - Schedule of Special Provisions. The bond shall be from a surety company authorized to carry on business in Canada guaranteeing to supply a performance bond equal to 50% of the Contract value, excluding HST and a labour and material bond equal to 25% of the Contract value, excluding HST.

Performance security must be filed with the Department before work on the project commences. This security shall be held and retained by the Minister for the due and faithful performance, observance and fulfilment by the Contractor of all the covenants, provisos, agreements, conditions and reservations in this Contract contained on the part of the Contractors to be observed, performed and complied with shall be in the form of:

- e) a certified cheque in the minimum amount of ten percent (10%) of the Contract value, excluding HST, which shall be retained until the warranty period (one (1) year after substantial completion) has elapsed.

OR

- f) a bank draft in the minimum amount of ten percent (10%) of the Contract value, excluding HST, which shall be retained until the warranty period (one (1) year substantial completion) has elapsed.

OR

- g) a performance format irrevocable standby letter of credit on a government approved form in the minimum amount of ten percent (10%) of the Contract value, excluding HST, which shall be retained until the warranty period (one (1) year after substantial completion) has elapsed. A performance standby letter of credit must have an automatic renewal clause within the body of the agreement.

8. Bid and Performance Security (continued)

OR

h) a performance bond equal to 50% of the Contract value, excluding HST and a labour and materials bond equal to 25% of the Contract value, excluding HST both of which shall be retained until the warranty period (one (1) year after substantial completion) has elapsed.

All performance security which has an expiry date which precedes the end of warranty date must be renewed prior to the time that the security would expire. The bidder will forfeit security to the Minister if the bidder fails to enter into or carry out the Contract when called upon to do so.

It is understood and agreed that the Contractor assumes risk and must bear any loss in respect to the performance security as aforesaid, occasioned by the failure or insolvency of the banks on which any cheque was drawn or in which any deposit was made in connection with the security aforesaid.

If at any time hereafter the said Contractor should make default under the said Contract, or if the Minister acting under the powers reserved in the said Contract shall determine that the said works, or any portion thereof remaining to be done, should be taken out of the hands of the Contractor and be completed in any manner or way whatsoever than by the Contractor, or if the Contractor refuses or neglects to pay for work done or materials supplied by any person in connection with the said work, the Minister may, in either case dispose of said security for the carrying out of the construction and completion of the work of the Contract or for paying any salaries or wages for work done, or any accounts for materials supplied for the said works that may be left unpaid by the said Contractor.

In the event of any breach, default or non-performance being made or suffered by the Contractor in or in respect of any of the terms and conditions, covenants, provisions, agreements, or restrictions herein contained, which on the part of the said Contractor should be observed, performed or complied with, the said security so delivered to or deposited with the Minister or by the Minister received in respect thereof, shall by the Contractor, be forfeited absolutely to the Minister.

Upon the due and faithful performance, observance and fulfilment by the Contractor of all the terms, provisions, covenants, agreements, conditions, reservations, hereinbefore contained, on the part of the Contractor to be observed, performed and complied with, the Minister shall surrender the performance security.

9. Minister Covenants to Pay

In consideration of the faithful performance by the Contractor of all and singular covenants, agreements and provisions of the Contract, the Minister hereby covenants and agrees with the Contractor that, on the full completion by the Contractor of all the work as specified in the Contract, within the time specified and limited for the final completion thereof, and to the entire satisfaction of the Engineer to be evidenced by the certificate of the Engineer in writing, the said Minister will well and truly pay, or cause to be paid, to the said Contractor the amount of the Contract price, representing the actual quantities in the several items in the Schedule of Prices, identified as Schedule C to this Contract, at the unit prices or lump sum prices quoted by the Contractor. This amount paid to the Contractor as above, shall include all and every kind of work, labour, superintendence, services, tools, implements, machinery, plant materials, articles and

things whatsoever necessary for the full execution and completion of the work to the entire satisfaction of the Engineer.

10. Final Payment

It is hereby agreed by the parties hereto that the payment of the final amount due under the Contract, and the adjustment and payment of any bills that may be rendered for work done, in accordance with any alteration in or addition to the same, shall release the Minister from any and all claims or liability on account of work performed under the said Contract or any alteration in or addition to the same.

11. No Waiver

It is hereby agreed that no condoning, excusing, or overlooking by the Minister, or any person acting on the Minister's behalf on previous occasions of breaches or defaults similar to that for which any action is taken or power is exercised, or forfeiture is claimed or enforced against the Contractor, shall be taken as a waiver of any provisions of the Contract, or as defeating, affecting or prejudicing in any way the right of the Minister under the Contract.

12. Components of the Contract

Any and all plans or drawings prepared by the Department, the document titled "General Provisions and Contract Specifications for Highway Construction", the advertisement, the Tender Form and Agreement together with Schedule A, Schedule of Special Provisions; Schedule B, Identification of Principals; Schedule C, Schedule of Tendered Unit Prices; Schedule D, Schedule of Equipment; and Schedule E, Schedule of Sub-Contractors, as well as any addenda which may be issued by the Department pursuant to this Contract shall hereby be a part of this Contract as fully and to the same effect as if the same had been set forth at length in the body of the Contract.

13. Completion of Work

The Contractor agrees to complete the work on, or before **August 18, 2023**

14. FOIPP Clause

1. By submitting your bid, you agree to disclosure of the information supplied, subject to the provisions of the Freedom of Information and Protection of Privacy Act (FOIPP).
2. Anything submitted in your bid that you consider to be "confidential information" because of its proprietary nature should be marked as "confidential" and will be subject to appropriate consideration under the Freedom of Information and Protection of Privacy Act.
3. During the delivery and installation of goods and/or services, you may have access to confidential or personal information. Should this occur, you must ensure that such information is not released to any third party or unauthorized individual.
4. Any information provided on this Contract may be subject to release under the Freedom of Information and Protection of Privacy Act. You will be consulted prior to the release of any information.

15. Work Conditions

The *Contractor* agrees to accept sole responsibility to comply with all federal, provincial and municipal legislation which may have application to the *Work* and agrees to comply with all provincial and federal legislation affecting conditions of work and wage rates including the Employment Standards Act R.S.P.E.I. 1988, Cap. E-6.2, the Workers Compensation Act R.S.P.E.I. 1988, Cap. W-7.1, or any other laws that impose obligations in the nature of employers' obligations. The *Contractor* agrees to follow the Public Service Commission Human Resource Policies 9.05 Violence in the Workplace Policy; 9.08 Drug, Alcohol, and Medication Policy, and 11.01 Policy for the Prevention and Resolution of Harassment in the Workplace while working on Government sites, in Government vehicles or alongside Government staff.

https://psc.gpei.ca/sites/psc.gpei.ca/files/HRPolicy/HRManual_9.05.pdf

<https://psc.gpei.ca/sites/psc.gpei.ca/files/9.08%20DrugAlcoholAndMedicationPolicy.pdf>

https://psc.gpei.ca/files/PDF%20Files/hrp-manual/hrppm_11.01.pdf

The *Contractor* agrees to accept the full cost of doing those things required under this paragraph and will not charge or seek reimbursement from the *Owner* in any way, such costs having been taken into consideration and included in the rates of payment stipulated in this Agreement.

IN WITNESS WHEREOF the parties hereto have hereby caused these presents to be signed and sealed on the dates stated.

SIGNED, SEALED AND DELIVERED
by the Contractor on the [] day
of [], 20[].

SIGNED, SEALED AND DELIVERED
by the Minister on the [] day
of [], 20[].

CONTRACTOR

MINISTER

.....
(Authorized Signing Officer)

.....

In the presence of:

In the presence of:

.....
(Witness Signature)

.....
(Witness Signature)

**SCHEDULE A
SCHEDULE OF SPECIAL PROVISIONS**

1) INSTRUCTIONS TO BIDDERS

The stipulated bid security amount shall be at least \$500,000.00.

The 2023 PEITI General Provisions and Contract Specifications for Highway Construction shall apply to this contract. This shall be provided during the tender period.

A mandatory preconstruction meeting between the successful Contractor and the Department shall be held at the Brackley Depot in advance of construction start up.

Please note that the Project Drawings shall be reissued during the tender period and shall take into account the following changes:

- Timber Structure will be replaced with a 25m long 1200mm diameter culvert
- Temporary Detour road location will shift to the Northwest and be widened to two lanes to allow for a single-phase installation of the Pedestrian Underpass
- Changes to general notes

This tender contains two separate Schedule C's; one for items associated with roadwork on Route 2 and the other for items associated with the trail systems. Contractors shall provide prices on both Schedule C bid forms. The combined grand total from both bid forms shall be used to determine the successful low bid.

2) SECTION 102.13 - SCHEDULING OF THE WORK

There shall be no limitations on the number of working days for this contract, however work is expected to continue in a consecutive fashion once it begins. Nevertheless, work shall be completed by September 15, 2023. Failure to do so will result in the Contractor paying liquidated damages at the assessed rate.

The Contractor shall submit a preliminary schedule with their tender documents for review by the Department. The Contractor's proposed construction phasing shall highlight their planned work in the following areas:

- Construction of Trail A from Station 0+000 to 0+140
- Construction of Trail A from Station 0+220 to 0+399, including provisions to maintain traffic on the Confederation trail during the concrete box installation.
- Construction of Detour Road
- Installation of Pedestrian Underpass and associated items
- Work on widening and resurfacing Route 2
- Work on paved trails

Prior to Contract award, the selected Bidder shall submit a detailed Final Construction Schedule to the Department for review. The Final Construction Schedule shall identify all primary work activities (EG: excavation, demolition, rock placement, structure installation, earthwork, backfill, road work, guardrails, etc.). The Final Schedule shall indicate applicable timelines and milestones for all work activities and Phases.

Throughout the project the Contractor shall notify the Department of any situations that may negatively affect the project's Final Construction Schedule.

The Contractor shall, upon the Department's request at any time throughout the project, update and submit to the Department an updated Construction Schedule.

Utility crews (Aliant, Maritime Electric, etc.) may be carrying out work on site at various stages of the project. The Department will have separate Contractor's onsite throughout the project for the installation of electrical components and signs. The Contractor shall coordinate their work schedules with all these crews and no additional compensation will be provided for any delays.

Regular weekly job site meetings will be held to discuss job progress, environmental concerns, safety, traffic flow, etc. The Contractor shall make available for this meeting a representative with the authority to act for the Contractor as well as the Traffic Control Manager.

3) SECTION 104.17 - ENVIRONMENTAL PROTECTION

Dispose of demolished materials at an approved disposal site in accordance with applicable Provincial Environmental Guidelines.

The Contractor shall be responsible to apply, obtain, and pay for all environmental permits such as but not limited to waste disposal, creosote disposal, pit material, etc. The Contractor shall provide copies of applicable permits to the Department upon request.

Any related permits applied for in advance by the Department on behalf of the successful Contractor are made solely in the interest of the project schedule. Any permits issued to the Department shall automatically become the entire responsibility of the Contractor with respect to performing all work activities in compliance with the concerned permits.

The Contractor shall be responsible to apply for, pay for, and submit a copy to the Department of both a Hazardous Waste Permit and a Pit Permit.

All environmental controls shall be in place prior to and during related project activities. Refer to specific bid items for related description and measurement of payment for some environmental controls. Controls without a bid item (such as but not limited to Emergency Response Kit) shall be considered incidental to the project with no additional compensation provided.

The type, location, and extent of environmental controls as a minimum shall be as indicated on the Environmental Controls Drawing C03.

The Contractor shall be responsible to monitor (on a daily basis, including non-work days such as weekends or Holidays) all environmental controls. All environmental controls shall be maintained and/or replaced by the Contractor (at no additional cost to the Department) throughout the entire duration of the project such that controls are effectively performing their function.

4) SECTION 106 - PROSECUTION AND PROGRESS

The Contractor shall develop and submit to the Department (prior to mobilizing on site) a COVID-19 Safety Plan. This Plan shall include measures/procedures to meet the PEI Chief Public Health Office COVID-19 restrictions as they relate to all pertinent activities, such as but not limited to: employees travelling to/from the site, all work activities on site, worker breaks, portable toilets, wash stations, equipment/tools sanitation, and the Contractor's monitoring system to ensure compliance. Note that all costs the Contractor incurs as part of complying with COVID-19 restrictions shall be incorporated into any and/or all bid cost items. No additional compensation shall be provided by the Department for the Contractor to comply with COVID-19 restriction.

The Contractor shall submit to the Department Safety Inspection Certificates of any cranes (track, mobile, and/or truck mounted) to be used on site and/or in the Department's Storage Yard. All crane certificates shall bear a P.Eng. stamp signed and dated by a professional engineer registered with Engineers PEI.

The Contractor is responsible to ensure that the work is performed in a safe manner and that all personal protective equipment, equipment, etc., are in good working order and safe working condition. The Contractor is also responsible to ensure that his labourers, traffic control personnel, and skilled trades people have been adequately trained in their respective roles and duties, as well as their rights and responsibilities under the PEI Occupational Health and Safety Act and Regulations.

Sawcutting of concrete shall only be performed with a wet saw.

The Contractor is responsible to ensure that all equipment can safely enter, maneuver within, and exit the site. The Contractor shall take measures to ensure trucks can safely enter, maneuver within, queue, load, off-load, and exit the site. This includes measures to provide adequate and safe turning areas as required. The Contractor shall be required to arrange and pay for any off-site areas required to facilitate truck/equipment utilization.

The Contractor shall submit to the Department upon request any documentation (example: toolbox meeting minutes, incident reports, accident reports, training certificates, etc.) related to safety for this project.

5) SITE VISIT

The Department recommends that bidders visit the site during the tender period to become familiar with and take into account the existing site. The successful Contractor to have included in tender price all costs associated with performing all aspects of the work which are affected by existing conditions or related existing conditions which arise as a result of performing any aspect of the work. The Contractor shall investigate the possible presence of underground utilities/services which maybe encountered while performing the work and take into account all associated precautions and/or altered work methods. No additional compensation will be provided for any work items affected by existing site conditions.

Bidders are responsible for their own safety during the site visit and are not to negatively affect the safety of the travelling public.

**6) SECTION 207- GRANULAR BASE
(Item No. 20733 – SUPPLY & PLACE TRAIL MIX)**

This unit rate bid for this item includes for the equipment and labor to supply, place and compact trail mix granular material for the 2.5m Gravel Trail.

**7) SECTION 207- DRAINAGE GRAVEL
(Item No. 20710 – Granular Base: D)**

This item includes the supply, placement, and compaction of Class 'D' granular material within the foundation areas, drainage channels, and concrete box as deemed required by the Department. Contractor shall determine and verify quantity of material required prior to ordering and site delivery. Use and extent of material may also be determined on site by Department representative. All costs associated with mixing and placement of this item with rip-rap in the drainage channel and concrete box shall be included in the unit cost.

**8) SECTION 21301 - RANDOM RIP-RAP
(Item 30101 R5)
(Item 30102 R25)
(Item 30103 R50)
(Item 30105 R250)**

The unit bid price for this item shall include the supply and placement of random rip rap as indicated on the drawings, or as directed on site by the Department. Use and extent of material may also be determined on site by Department representative. The Contractor shall co-ordinate delivery of material on site such that it is dumped off a truck only once on site prior to its final placement. Contractor shall determine and verify quantity of material required prior to ordering and site delivery.

Note that all rip rap material shall be granite and meet the Department's Technical Specification Clause 213.02 for Class 1 material.

**9) SECTION 21801 – GEOTECHNICAL FABRIC
(Item 21805 – Geotextile Type 420R)
(Item 21806 – Geotextile Type 600R)**

The unit bid price for this item shall include the supply and placement of Geotechnical fabric as indicated on the drawings. Geotechnical fabric shall be Terrafix 420R and 600R (or equivalents) as indicated at all locations.

**10) SECTION 21801 – GEOGRID REINFORCEMENT
(Item 21805 – Geogrid TX120)
(Item 21805 – Geogrid TX140)**

The unit bid price for this item shall include the supply and placement of Geogrid Reinforcement as indicated on the drawings. Geogrid Reinforcement shall be Tensar 120 and 140 (or equivalents) as indicated at all locations.

- 11) **SECTION 301 - STORM SEWER INSTALLATION**
(Item 30101 Storm Sewer: 300mm PCP)
(Item 30102 Storm Sewer: 375mm PCP)
(Item 30103 Storm Sewer: 450mm PCP)
(Item 30105 Storm Sewer: 600mm PCP)
(Item 30106 Storm Sewer: 750mm PCP)
(Item 30108 Storm Sewer: 1200mm PCP)

All pipe and couplings are to be supplied by the Contractor. Double Walled Polyethylene (DWP) pipe meeting the requirements in Section 301 may be used in place of PCP. No additional compensation shall be provided for the use of one material over the other.

- 12) **SECTION 301 - STORM SEWER INSTALLATION**
(Item 31001 – Concrete Box Culvert)

This item is for the 1219 x 1524 concrete box culvert under the Confederation Trail. It shall include all costs associated with the supply and installation of the box culvert including all fittings, hardware, joint sealants, the two (2) pre-cast cut off walls and tapered end sections as per Drawings.

- 13) **SECTION 302 - CATCH BASIN INSTALLATION**
(Item 30216 Catch Basin: 750mm PCP)
(Item 30202 Catch Basin: 1050mm PCP)
(Item 30211 Catch Basin: 1200mm PCP)
(Item 30204 Catch Basin: 1500mm PCP)
(Item 30231 Catch Basin: 2100mm PCP)

All catch basin frame and grates shall be R-11.

- 14) **SECTION 501 - ASPHALT CEMENT**
(Item 50101 - Asphalt Cement)

Contractors shall note that for bidding purposes an artificial rack price of \$1200 per tonne (with anti-strip) shall replace the Government's posted Monthly Average Asphalt Binder Rack Price table for this Contract. The artificial rack price of \$1200 per tonne (with anti-strip) shall be used as the price index when calculating the liquid asphalt cement price adjustment.

- 15) **SECTION 501 - ASPHALT CEMENT**
(Item 50109 - Surcharge for Polymer Liquid Asphalt)

The polymer modified asphalt cement shall be used for the asphalt seal on this project. Performance Graded Asphalt Cement (PGAC) on this contract shall comply with AASHTO M332 for the surface mix and shall be graded as PG 58-28H. Additionally, the PGAC shall meet the elastic recovery requirements detailed in Appendix X1 of AASHTO M332. Note, when ordering the PGAC to include reference to the specification, grade with designation and the appendix (e.g., M332, PG 58-28H, Appendix X1). Additional costs to the contractor for the purchase, haul, storage, and use of this product in lieu of 58-28 will be paid for under Item 50109 - Surcharge for Polymer Liquid Asphalt. No additional compensation shall be provided.

16) SECTION 603.15 - HOT MIX ASPHALTIC CONCRETE - SMOOTHNESS

Section 603.15 shall not apply to this Contract

**17) SECTION 712 - COLD PLANE, STOCKPILE AND REPLACE RAP AS SHOULDER MATERIAL
(Item No. 71201 RAP: Shoulder Material)**

This item shall be for the cold planing of the existing asphalt surface (45mm), stockpiling, and shouldering of the project.

The transportation of the RAP to the temporary stockpile and from the temporary stockpile to the site (shoulders) shall be a closed haul.

Once placement of the shoulder material is complete, the excess RAP will be hauled to a location determined by the Department and stockpiled. The Contractor shall be required to load, transport and stockpile the excess RAP from the temporary stockpile onto the trucks and deliver off-site to a location determined by the Project Manager at the time of construction.

The transportation of excess material from the temporary stockpile to any stockpile sites determined by the Department shall be an open haul, and open haul rates shall apply. A price adjustment shall apply based on the haul distance to the designated site and will be calculated using PEI DTI's Standard Negotiated Rates.

**18) SECTION 716 - COLD PLANE, TRANSPORT AND STOCKPILE
(Item No. 71601 Cold Plane and Stockpile)**

This item shall be for the cold planing of the existing asphalt surface full depth and stockpiling of the project.

The RAP material shall be hauled to Brackley Depot and stockpiled. The cold planing of asphaltic concrete shall be paid for at the unit bid price per square metre and this shall be full compensation for cold planing, loading, transporting, stockpiling, equipment, tools, labour, and incidentals necessary to complete the work.

Open haul rates shall apply to this item. A price adjustment shall apply based on the actual haul distance.

19) SECTION 907 - VEHICLE CONFIGURATIONS AND RESTRICTIONS

The SADT on this project shall be understood to be 7,101.

**20) SECTION 908 - TRAFFIC CONTROL PLAN
(Item 90802 - Traffic Control Plan)**

Work shall not proceed until all conditions of this section are met. Failure to meet these conditions shall result in a stop work order as per Section 106.07 Suspension of Work.

21) SECTION 1102 – CONCRETE BARRIER CURB
(Item 110111 Barrier Curb)

This curb and gutter shall be placed on Granular Base as per detail 3.

22) SECTION 1103 – CONCRETE SIDEWALK AND FLATWORK
(Item 110125 - Concrete Median)

This work is to be completed according to section 1103 Concrete Sidewalk and Flatwork. The thickness of the concrete shall be 150 mm. Isolation joints shall be installed between all concrete curb and median as well as at every 7.5 metre intervals. Isolation joint filler (12mm fibre board) shall be installed at all isolation joints and shall be included in this Basis of Payment.

The concrete shall be Type General Use (GU) cement, 32MPa.

The concrete median shall require colouring to be added to the mix. The colour shall be Salmon RG- 2832R (1 bag) as provided by Interstar (or equivalent). No additional compensation will be provided for this addition.

23) SECTION 1300 – HIGHWAY DESIGN
(Item 130806 – Cast-in-Place Concrete)

Refer to Sections 1301, 1302 and 1384 of the Specifications for Highway and Bridge Construction for the specifications and measurement for payment items. Refer to attached drawings.

Concrete shall be Type B in accordance with Section 1302.

This item is shall be used for the structure footings and concrete slabs.

24) SECTION 1300 – HIGHWAY DESIGN
(Item 110117 – Approach Slab Concrete)

Refer to Sections 1301, 1302 and 1384 of the Specifications for Highway and Bridge Construction for the specifications and measurement for payment items. Refer to attached drawings.

Concrete shall be Type A in accordance with Section 1302.

25) SECTION 1300 – HIGHWAY DESIGN
(Item 130504 – Install Concrete Box Culvert)

Note that this cost item pertains to the installation of precast structure units: standard three-sided arch units (11), even though the title of this cost item is Install Concrete Box Culvert.

Refer to Sections 1330 of the Specifications for Highway and Bridge Construction for the specifications and measurement for payment items. Refer to attached Schedule 'F' and drawings.

The lump sum price for the above listed item shall be full compensation for the loading of all precast units located in the Scotchfort Storage Yard), obtaining oversize load permit, transport to site, off-loading, on-site storage (if required), installation, installation and alignment of all precast concrete span units; supply and placement of concrete shim blocks and/or wedges at bottom outside face at both ends of each precast panel within keyway; supply and placement of steel channels and/or shim plates at the underside of structure legs at both ends of each precast panel

within keyway; supply and installation of grout in keyway of footings, any shear keys along length of precast panels and exposed lift inserts after precast span installation; installation of 600mm wide waterproofing strip full height over radial joint between all panels on the backfill face of arch units (and any heat source required for such installation); and all other incidentals required to completely install the span sections to the satisfaction of the Engineer, manufacturer, and technical representative. The Contractor shall adhere to the strict instructions or recommendations of the precast concrete structure supplier's installation procedures (appended to the Tender Document) and/or his on-site technical representative.

The mix proportions for grout (indicating mix contents and associated proportions) shall be submitted to the Department for general review. The mix design and certification shall bear a P.Eng. stamp signed and dated by a professional engineer registered with Engineers PEI. Certification shall state that the mix design will meet or exceed project requirements.

Grout in keyway of footings, retaining wall top closure, and lift inserts shall have a 28-day design compressive strength minimum 35 MPa. Should the Contractor decide to place keyway grout in an underwater condition, the Contractor shall submit to the Department the data sheet on the proposed underwater grout.

The lump sum price for this item shall also be full compensation for the provision of all labour, materials, and equipment required for the supply and installation of aircraft cable (complete with all hardware) full length on one side of the arch.

Lift hooks/clutches compatible with the precast units' cast-in lift inserts shall be provided by the Contractor for all situations (loading in Department's Storage Yard, unloading at bridge site, etc.).

Note that the precast concrete arch units are in storage at the Scotchfort Storage Yard. It is recommended that Bidders visit the Storage Yard during tender to observe the location of the panels and account for all surrounding conditions related to loading and maneuvering within the storage yard with cranes and trucks.

The lump sum price for this item shall also include all costs associated with the transport of the precast panels to the site including but not limited to coordination, related highway or bridge permits, escorts, road closures, traffic control personnel, and related roadway signage, etc.

The Contractor is responsible to ensure enough available space on site shall be provided for concrete structure installation procedures. Any temporary layout areas, crane pads, fill, etc. shall be included in this item, as well as any land negotiations, permits, engineering (such as but not limited to geotechnical engineering advice regarding ability of existing soil to safely support loads imposed by crane pads, fill, crane outrigger loads, etc.) required for the proper installation of the concrete structure.

The Contractor is responsible for all safety, crane capacities, number of cranes, location of cranes, any spreader beams, cable and related hardware capacities, outrigger locations and resulting soil bearing pressure, etc. for the safe installation of all panels.

Handle precast elements with reasonable care so not to cause damage. Any damage such as but not limited to spalls, cracks, etc. created as a result of Contractor handling shall be repaired by the Contractor prior to acceptance by the Department. Determination of defect and extent shall be solely by the Department. The repair method for each type of defect shall be developed by the Contractor and submitted to the Department for review prior to commencing repairs. Repair methods shall address surface preparation / material removals, repair materials, method of

placement, and curing measures. All costs associated with damage repair shall be at no additional charge to the Contract.

Bidders shall make allowances for any over excavation, levelling, grading, etc. of material (if required) for the setup of cranes for this item. No measurement nor payment shall be considered for constructing levelling pads for cranes.

The lump sum price for this item shall also be full compensation for the provision of all labour and materials to supply and place/level/feather grout along the horizontal joints of the as-installed panels as required to meet surface conditions required for waterproofing installation.

26) SECTION 1300 – HIGHWAY DESIGN
(Item 130601 – Pre-cast Retaining Walls)

This item refers to the unloading and installation of Pre-Cast Concrete retaining wall elements, and supply and installation of related items as per Design Drawings and details on S10. Refer to Section 1333, specifically, Clause 1333.5, of the Specifications for Highway and Bridge Construction for the specifications and measurement for payment items.

27) SECTION 1300 – HIGHWAY DESIGN
(Item 130803– Concrete Reinforcement)

Refer to Section 1304 of the Specifications for Highway and Bridge Construction for the specifications and measurement for payment items. Refer to drawings.

28) SECTION 1300 – HIGHWAY DESIGN
(Item 130831 – Concrete Barriers)

The unit rate bid price shall be full compensation for loading concrete barriers at the Charlottetown Bridge Yard, transport to site, offloading on site, placement as per Traffic Control Plan, handling/repositioning on site as required, handling/repositioning on site to channel traffic, handling/repositioning on site to accommodate any equipment setup or material delivery to the site, site loading, transport back to the Charlottetown Bridge Yard, and offloading at the Bridge Yard.

The unit rate price shall also be full compensation for loading concrete barriers at the Charlottetown Bridge Yard, transport to site, offloading on site, placement as part of any embankment base earth containment, handling/repositioning on site as required between Phases, site loading, transport back to the Charlottetown Bridge Yard, and offloading at the Bridge Yard.

Note that the Contractor shall confirm with DTI prior to loading at the Bridge Yard the quantity of barriers required on site

29) SECTION 1300 – HIGHWAY DESIGN
(Item 130876 – General Mobilization and Demobilization)

The lump sum bid price for the above listed item shall be full compensation for the mobilization and demobilization of all equipment, material, and labour to and from the site, including land negotiations for storage areas as well as any negotiations with utilities. This item also includes the provision of parking areas for equipment and vehicle parking including any land negotiations

for such. This item also includes the supply, placement, and removal from site any earth materials and associated environmental controls required as part of mobilization and demobilization. No additional compensation shall be provided for this item.

30) SECTION 1300 – HIGHWAY DESIGN
(Item 131056 – Backfill Concrete Structure)

Refer to Section 1365 of the Specifications for Highway and Bridge Construction for the specifications and measurement for payment items.

31) SECTION 1300 – HIGHWAY DESIGN
(Item 138174 – Waterproofing Bridge Deck)

Refer to Section 1515 of the Specifications for Highway and Bridge Construction for the specifications and measurement for payment items. Waterproofing membrane shall be Type 'B'.

32) SECTION 1000 - ELECTRICAL
(Item 13178 – Tunnel Lighting)

This item shall be for the supply and installation of all luminaires, wiring conduits, fittings, fasteners, supports, and sealing of conduit penetrations within the tunnel as shown on the Drawings.

Payment for this item shall be unit price and shall be for full compensation for the supply and installation of all luminaires, wiring conduits, fittings, fasteners, supports, and sealing of conduit penetrations within the tunnel.

33) SECTION 1000 - ELECTRICAL
(Item 138002 – Trail Lighting)

This item shall be for the four (4) L1 light standards used on the granular trail as shown on the Drawings.

Payment for this item shall be unit price and shall be for full compensation for the supply and installation of all luminaires, poles, wiring conduits, fuses, and light pole foundations associated with the L1 light standards as per Drawings.

34) SECTION 1200 - MISCELLANEOUS
(Item 136262 – Temporary Lighting)

This item shall be for providing temporary lighting as directed by the Engineer. The Temporary light units shall be portable light towers powered by a diesel generator. They shall have a rotational and height adjustable tower with the ability to extend to a minimum of 25 feet in height. The light tower shall be equipped with at least 4 adjustable light heads.

Payment for this item shall be at the unit bid price for number of days used for each temporary light unit and this price shall be full compensation for supply, labour, equipment, maintenance, fuel and incidentals necessary to perform the work.

35) SECTION 1300 – HIGHWAY DESIGN
(Item 136454 – Timber Handrail)

This item is for the supply and installation of timber handrail in locations specified on the Drawings as per Detail 7, St. Peters Road Pedestrian railing.

Payment for this item includes supply and installation of all items associated with the timber handrail, including the additional requirements where it is to be installed over the pedestrian underpass such as cast in place curb, timber spacers, timber curb, bolts, washers, and shims as shown on Detail A S06.

36) SECTION 1300 – HIGHWAY DESIGN
(Item 130134 – Supply & Install Handrail)

This item is for the supply and installation of timber handrail in locations specified on the Drawings as per Detail 8, Trail A pedestrian railing.

**SCHEDULE B
IDENTIFICATION OF PRINCIPALS**

Name of Contractor:

Mailing Address:

Telephone:

Fax:

Principal's Name:

Title:

Mailing Address:

If Contractor is a corporation in which province of Canada is the corporation registered:

Item Description and Price	Estimated Quantity	Contractor Total Price
TUNNEL LIGHTING		
Section: 131 Item: 13178		
-----	PER unit	
-----	\$ -----	PER unit
	100	1.00 \$
CLEARING		
Section: 201 Item: 20101		
-----	PER ha	
-----	\$ -----	PER ha
	100	.50 \$
GRUBBING		
Section: 202 Item: 20201		
-----	PER ha	
-----	\$ -----	PER ha
	100	.50 \$
EXCAV:EARTH SURPLUS/SUITABLE		
Section: 203 Item: 20306		
-----	PER M3	
-----	\$ -----	PER M3
	100	2,800.00 \$
EXCAVATION: EARTH WASTE		
Section: 203 Item: 20307		
-----	PER M3	
-----	\$ -----	PER M3
	100	3,500.00 \$
TOPSOIL:REMOVE & REINSTATE		
Section: 204 Item: 20401		
-----	PER M3	
-----	\$ -----	PER M3
	100	100.00 \$

Total Carried Forward \$ _____
 From Previous Page
 Total Carried Forward \$ _____

Item Description and Price	Estimated Quantity	Contractor Total Price
BORROW: COMMON		
Section: 206 Item: 20601		
-----	PER Tonnes	
-----	\$ -----	PER Tonnes 1,605.80 \$
-----	100	-----
BORROW: SELECT		
Section: 206 Item: 20602		
-----	PER Tonnes	
-----	\$ -----	PER Tonnes 20,000.00 \$
-----	100	-----
GRANULAR BASE: A		
Section: 207 Item: 20701		
-----	PER Tonnes	
-----	\$ -----	PER Tonnes 4,500.00 \$
-----	100	-----
GRANULAR BASE: D		
Section: 207 Item: 20710		
-----	PER Tonnes	
-----	\$ -----	PER Tonnes 300.00 \$
-----	100	-----
FINE GRADING		
Section: 208 Item: 20801		
-----	PER Square Metr	
-----	\$ -----	PER M2 6,200.00 \$
-----	100	-----
TOPSOIL: LANDSCAPING		
Section: 212 Item: 21202		
-----	PER M3	
-----	\$ -----	PER M3 550.00 \$
-----	100	-----

Total Carried Forward \$ _____
 From Previous Page
 Total Carried Forward \$ _____

Item Description and Price	Estimated Quantity	Contractor Total Price
RANDOM RIP-RAP: R5		
Section: 213 Item: 21301		
-----	PER Tonnes	
-----	\$ -----	125.00 \$
-----	100	-----
RANDOM RIP-RAP: R25		
Section: 213 Item: 21302		
-----	PER Tonnes	
-----	\$ -----	300.00 \$
-----	100	-----
RANDOM RIP-RAP: R50		
Section: 213 Item: 21303		
-----	PER Tonnes	
-----	\$ -----	550.00 \$
-----	100	-----
RANDOM RIP-RAP: R250		
Section: 213 Item: 21309		
-----	PER Tonnes	
-----	\$ -----	1,500.00 \$
-----	100	-----
DITCHING		
Section: 215 Item: 21501		
-----	PER Metres	
-----	\$ -----	105.00 \$
-----	100	-----
FILTER FABRIC		
Section: 218 Item: 21801		
-----	PER Square Metr	
-----	\$ -----	54.00 \$
-----	100	-----
		Total Carried Forward \$ -----
		From Previous Page
		Total Carried Forward \$ -----

Item Description and Price	Estimated Quantity	Contractor Total Price
GEOTEXTILE: TYPE 420R		
Section: 218 Item: 21805		
-----	PER Square Metr	
-----	\$ PER M2	700.00 \$
-----	100	_____
GEOTEXTILE: TYPE 600R		
Section: 218 Item: 21806		
-----	PER Square Metr	
-----	\$ PER M2	1,900.00 \$
-----	100	_____
GEOGRID:TX120		
Section: 219 Item: 21904		
-----	PER Square Metr	
-----	\$ PER M2	600.00 \$
-----	100	_____
GEOGRID: TX140		
Section: 219 Item: 21905		
-----	PER Square Metr	
-----	\$ PER M2	900.00 \$
-----	100	_____
BEDDING MATERIAL: A		
Section: 220 Item: 22001		
-----	PER Tonnes	
-----	\$ PER Tonnes	450.00 \$
-----	100	_____
STORM SEWER: 450MM PCP		
Section: 301 Item: 30103		
-----	PER Metres	
-----	\$ PER M	24.00 \$
-----	100	_____

Total Carried Forward \$ _____
 From Previous Page
 Total Carried Forward \$ _____

Item Description and Price	Estimated Quantity	Contractor Total Price
STORM SEWER: 750MM PCP		
Section: 301 Item: 30106		
----- PER Metres		
----- \$ PER M	16.00 \$	_____
----- 100		
STORM SEWER: 900MM PCP		
Section: 301 Item: 30107		
----- PER Metres		
----- \$ PER M	16.00 \$	_____
----- 100		
STORM SEWER: 1200MM PCP		
Section: 301 Item: 30108		
----- PER Metres		
----- \$ PER M	58.00 \$	_____
----- 100		
CONCRETE BOX CULVERT		
Section: 310 Item: 31001		
----- PER Metres		
----- \$ PER M	19.50 \$	_____
----- 100		
CULVERT END TREATMENT		
Section: 312 Item: 31201		
----- PER unit		
----- \$ PER unit	12.00 \$	_____
----- 100		
ASPHALT CEMENT		
Section: 501 Item: 50101		
----- PER Tonnes		
----- \$ PER Tonnes	121.00 \$	_____
----- 100		

Total Carried Forward \$ _____
 From Previous Page
 Total Carried Forward \$ _____

Item Description and Price	Estimated Quantity	Contractor Total Price
SURCHARGE FOR POLYMER LIQUID ASPHALT		
Section: 501 Item: 50109		
-----	PER Tonnes	
-----	\$ -----	PER Tonnes 21.00 \$
-----	100	-----
TACK COAT		
Section: 601 Item: 60101		
-----	PER Square Metr	
-----	\$ -----	PER M2 7,500.00 \$
-----	100	-----
ASPHALT BASE: A		
Section: 603 Item: 60301		
-----	PER Tonnes	
-----	\$ -----	PER Tonnes 1,000.00 \$
-----	100	-----
ASPHALT SEAL: B		
Section: 603 Item: 60350		
-----	PER Tonnes	
-----	\$ -----	PER Tonnes 975.00 \$
-----	100	-----
PULVERIZE IN PLACE		
Section: 701 Item: 70101		
-----	PER Square Metr	
-----	\$ -----	PER M2 3,000.00 \$
-----	100	-----
COLD PLANE AND STOCKPILE		
Section: 716 Item: 71601		
-----	PER Square Metr	
-----	\$ -----	PER M2 1,500.00 \$
-----	100	-----
	Total Carried Forward \$	-----
	From Previous Page	
	Total Carried Forward \$	-----

Item Description and Price	Estimated Quantity	Contractor Total Price
CHECK DAM: STRAW BALE		
Section: 801 Item: 80103		
-----	PER unit	
-----	\$ PER unit	17.00 \$
-----	100	_____
WATER FOR DUST		
Section: 802 Item: 80201		
-----	PER kl	
-----	\$ PER kl	500.00 \$
-----	100	_____
HYDROSEEDING		
Section: 803 Item: 80302		
-----	PER Square Metr	
-----	\$ PER M2	5,075.00 \$
-----	100	_____
MULCHING		
Section: 805 Item: 80501		
-----	PER Square Metr	
-----	\$ PER M2	700.00 \$
-----	100	_____
SILT FENCE: TYPE 1		
Section: 806 Item: 80602		
-----	PER Metres	
-----	\$ PER M	650.00 \$
-----	100	_____
SILT BOOM		
Section: 806 Item: 80609		
-----	PER Metres	
-----	\$ PER M	65.00 \$
-----	100	_____

Total Carried Forward \$ _____
 From Previous Page
 Total Carried Forward \$ _____

Estimate: 5109
 Length: 1.000 ki

Schedule C
 schedule of item for tender

Item Description and Price		Estimated Quantity	Contractor Total Price
SIGNALLERS			
Section: 901	Item: 90101		
		PER hrs	
-----		PER hrs	
Twenty-Three Dollars and 78 Cents	\$ 23.78	1,920.00	\$ 45,657.60
	100		_____
FLEXBEAM GUIDERAIL: ERECT			
Section: 903	Item: 90301		
		PER Metres	
-----		PER M	
	\$	450.00	\$
	100		_____
TRAFFIC CONTROL PLAN			
Section: 908	Item: 90802		
		PER hrs	
-----		PER hrs	
Thirty Dollars and 00 Cents	\$ 30.00	480.00	\$ 14,400.00
	100		_____
GUIDERAIL END TREATMENT: SUPPLY & INST			
Section: 909	Item: 90902		
		PER unit	
-----		PER unit	
	\$	4.00	\$
	100		_____
APPROACH SLAB CONCRETE			
Section: 1101	Item: 110117		
		PER M3	
-----		PER M3	
	\$	60.00	\$
	100		_____
MUD SLAB			
Section: 1300	Item: 130023		
		PER M3	
-----		PER M3	
	\$	1.00	\$
	100		_____

Total Carried Forward \$ _____
 From Previous Page
 Total Carried Forward \$ _____

Item Description and Price	Estimated Quantity	Contractor Total Price
SUPPLY & INSTALL HANDRAIL		
Section: 1301 Item: 130134		
-----	PER Metres	
-----	PER M	65.00 \$
-----	100	-----
TRAFFIC BARRIER		
Section: 1301 Item: 130160		
-----	PER L.S.	
-----	PER L.S.	1.00 \$
-----	100	-----
INSTALL CONCRETE BOX CULVERT		
Section: 1305 Item: 130504		
-----	PER L.S.	
-----	PER L.S.	1.00 \$
-----	100	-----
PRE-CAST RETAINING WALLS		
Section: 1306 Item: 130601		
-----	PER Square Metr	
-----	PER M2	54.00 \$
-----	100	-----
CONCRETE REINFORCEMENT		
Section: 1308 Item: 130803		
-----	PER Kg	
-----	PER Kg	23,700.00 \$
-----	100	-----
CAST IN PLACE CONCRETE		
Section: 1308 Item: 130806		
-----	PER M3	
-----	PER M3	225.00 \$
-----	100	-----

Total Carried Forward \$ _____
 From Previous Page
 Total Carried Forward \$ _____

Item Description and Price	Estimated Quantity	Contractor Total Price
CONCRETE BARRIERS		
Section: 1308 Item: 130831		
-----	PER unit	
-----	\$ -----	100.00 \$
-----	100	-----
GENERAL MOBILIZATION\DEMOBILIZATION		
Section: 1308 Item: 130876		
-----	PER L.S.	
-----	\$ -----	1.00 \$
-----	100	-----
TEMPORARY LIGHTING		
Section: 1362 Item: 136262		
-----	PER days	
-----	\$ -----	80.00 \$
-----	100	-----
TRAIL MIX		
Section: 1362 Item: 136295		
-----	PER Tonnes	
-----	\$ -----	225.00 \$
-----	100	-----
TIMBER HANDRAIL		
Section: 1300 Item: 136454		
-----	PER Metres	
-----	\$ -----	80.00 \$
-----	100	-----
WATER PROOFING: BRIDGE DECK		
Section: 1381 Item: 138174		
-----	PER Square Metr	
-----	\$ -----	200.00 \$
-----	100	-----

Total Carried Forward \$ -----
 From Previous Page
 Total Carried Forward \$ -----

Project Number: 6342

ABEGWEIT CONNECTS 202

-22417

Estimate: 5109

Length: 1.000 km

Department of Transportation and Infrastructure

Province of Prince Edward Island

Schedule C

schedule of item for tender

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01 Feb 2023

Item Description and Price	Estimated Quantity	Contractor Total Price
TRAIL LIGHTING		
Section: 1380 Item: 1380022		
-----	PER unit	
-----	PER unit	1.00 \$
	100	_____

Total Carried Forward \$ _____

From Previous Page

Total Carried Forward \$ _____

HST \$ _____

Grand Total \$ _____

Item Description and Price	Estimated Quantity	Contractor Total Price
EXCAV:EARTH SURPLUS/SUITABLE		
Section: 203 Item: 20306		
-----	PER M3	
-----	\$ -----	PER M3 2,930.00 \$
-----	100	-----
EXCAVATION: EARTH WASTE		
Section: 203 Item: 20307		
-----	PER M3	
-----	\$ -----	PER M3 100.00 \$
-----	100	-----
EXCAVATION: PAVEMENT		
Section: 203 Item: 20316		
-----	PER Square Metr	
-----	\$ -----	PER M2 100.00 \$
-----	100	-----
BORROW: SELECT		
Section: 206 Item: 20602		
-----	PER Tonnes	
-----	\$ -----	PER Tonnes 3,300.00 \$
-----	100	-----
BORROW: COMMON		
Section: 206 Item: 20603		
-----	PER M3	
-----	\$ -----	PER M3 1,500.00 \$
-----	100	-----
GRANULAR BASE: A		
Section: 207 Item: 20701 Major Item		
-----	PER Tonnes	
-----	\$ -----	PER Tonnes 2,900.00 \$
-----	100	-----
		Total Carried Forward \$ -----
		From Previous Page
		Total Carried Forward \$ -----

Item Description and Price	Estimated Quantity	Contractor Total Price
GRANULAR BASE: D		
Section: 207 Item: 20710		
-----	PER Tonnes	
-----	\$ -----	PER Tonnes 100.00 \$
	100	_____
FINE GRADING		
Section: 208 Item: 20801		
-----	PER Square Metr	
-----	\$ -----	PER M2 5,300.00 \$
	100	_____
SHOULDER MATERIAL: A		
Section: 211 Item: 21101		
-----	PER Tonnes	
-----	\$ -----	PER Tonnes 350.00 \$
	100	_____
TOPSOIL: LANDSCAPING		
Section: 212 Item: 21202		
-----	PER M3	
-----	\$ -----	PER M3 380.00 \$
	100	_____
RANDOM RIP-RAP: R5		
Section: 213 Item: 21301		
-----	PER Tonnes	
-----	\$ -----	PER Tonnes 100.00 \$
	100	_____
BEDDING MATERIAL: A		
Section: 220 Item: 22001		
-----	PER Tonnes	
-----	\$ -----	PER Tonnes 1,250.00 \$
	100	_____
	Total Carried Forward \$	_____
	From Previous Page	
	Total Carried Forward \$	_____

Item Description and Price	Estimated Quantity	Contractor Total Price
STORM SEWER: 300MM PCP		
Section: 301 Item: 30101		
----- PER Metres		
----- \$ PER M	7.00 \$	_____
----- 100		
STORM SEWER: 375MM PCP		
Section: 301 Item: 30102		
----- PER Metres		
----- \$ PER M	4.00 \$	_____
----- 100		
STORM SEWER: 450MM PCP		
Section: 301 Item: 30103		
----- PER Metres		
----- \$ PER M	14.00 \$	_____
----- 100		
STORM SEWER: 600MM PCP		
Section: 301 Item: 30105		
----- PER Metres		
----- \$ PER M	103.00 \$	_____
----- 100		
STORM SEWER: 750MM PCP		
Section: 301 Item: 30106		
----- PER Metres		
----- \$ PER M	86.00 \$	_____
----- 100		
STORM SEWER: 900MM PCP		
Section: 301 Item: 30107		
----- PER Metres		
----- \$ PER M	8.00 \$	_____
----- 100		

Total Carried Forward \$ _____
 From Previous Page
 Total Carried Forward \$ _____

Item Description and Price	Estimated Quantity	Contractor Total Price
STORM SEWER: 1200MM PCP		
Section: 301 Item: 30108		
----- PER Metres		
----- \$ PER M	7.00 \$	_____
----- 100		
CATCH TEE: 375mm PVC		
Section: 301 Item: 30169		
----- PER unit		
----- \$ PER unit	1.00 \$	_____
----- 100		
CATCH BASIN: 1050MM PCP		
Section: 302 Item: 30202		
----- PER unit		
----- \$ PER unit	1.00 \$	_____
----- 100		
CATCH BASIN: 1500MM PCP		
Section: 302 Item: 30204		
----- PER unit		
----- \$ PER unit	4.00 \$	_____
----- 100		
CATCH BASIN: 1200MM PCP		
Section: 302 Item: 30211		
----- PER unit		
----- \$ PER unit	1.00 \$	_____
----- 100		
CATCH BASIN: 750MM PCP		
Section: 302 Item: 30216		
----- PER unit		
----- \$ PER unit	1.00 \$	_____
----- 100		

Total Carried Forward \$ _____
 From Previous Page
 Total Carried Forward \$ _____

Item Description and Price	Estimated Quantity	Contractor Total Price
CATCH BASIN 2100 MM PCP		
Section: 302 Item: 30231		
-----	PER unit	
-----	PER unit	1.00 \$
-----	100	-----
CULVERT REMOVAL		
Section: 308 Item: 30801		
-----	PER Metres	
-----	PER M	258.00 \$
-----	100	-----
CULVERT END TREATMENT		
Section: 312 Item: 31201		
-----	PER unit	
-----	PER unit	13.00 \$
-----	100	-----
ASPHALT CEMENT		
Section: 501 Item: 50101 Major Item		
-----	PER Tonnes	
-----	PER Tonnes	89.00 \$
-----	100	-----
SURCHARGE FOR POLYMER LIQUID ASPHALT		
Section: 501 Item: 50109		
-----	PER Tonnes	
-----	PER Tonnes	57.00 \$
-----	100	-----
TACK COAT		
Section: 601 Item: 60101		
-----	PER Square Metr	
-----	PER M2	12,000.00 \$
-----	100	-----

Total Carried Forward \$ _____
 From Previous Page
 Total Carried Forward \$ _____

Item Description and Price			Estimated Quantity	Contractor Total Price
ASPHALT BASE: A				
Section: 603	Item: 60301	Major Item		
-----			PER Tonnes	
-----			PER Tonnes	410.00 \$
-----			100	_____
ASPHALT SEAL: B				
Section: 603	Item: 60350	Major Item		
-----			PER Tonnes	
-----			PER Tonnes	890.00 \$
-----			100	_____
COLD PLANE CONST. JOINT				
Section: 705	Item: 70501			
-----			PER Square Metr	
-----			PER M2	250.00 \$
-----			100	_____
CUTTING PAVEMENT				
Section: 710	Item: 71001			
-----			PER Metres	
-----			PER M	100.00 \$
-----			100	_____
RAP: SHOULDER MATERIAL				
Section: 712	Item: 71201			
-----			PER Square Metr	
-----			PER M2	6,900.00 \$
-----			100	_____
COLD PLANE AND STOCKPILE				
Section: 716	Item: 71601			
-----			PER Square Metr	
-----			PER M2	1,265.00 \$
-----			100	_____

Total Carried Forward \$ _____
 From Previous Page
 Total Carried Forward \$ _____

Item Description and Price	Estimated Quantity	Contractor Total Price
WATER FOR DUST		
Section: 802 Item: 80201		
-----	PER kl	
-----	\$ -----	500.00 \$
-----	100	-----
HYDROSEEDING		
Section: 803 Item: 80302		
-----	PER Square Metr	
-----	\$ -----	2,830.00 \$
-----	100	-----
SILT FENCE: TYPE 1		
Section: 806 Item: 80602		
-----	PER Metres	
-----	\$ -----	250.00 \$
-----	100	-----
SIGNALLERS		
Section: 901 Item: 90101		
-----	PER hrs	
Twenty-Three Dollars and 78 Cents	\$ 23.78	2,500.00 \$
-----	PER hrs	59,450.00
-----	100	-----
PAVEMENT EDGE DELINEATOR		
Section: 904 Item: 90401		
-----	PER unit	
-----	\$ -----	20.00 \$
-----	100	-----
TEMPORARY OVERLAY MARKERS (TOMS)		
Section: 905 Item: 90506		
-----	PER unit	
-----	\$ -----	150.00 \$
-----	100	-----

Total Carried Forward \$ _____
 From Previous Page
 Total Carried Forward \$ _____

Item Description and Price	Estimated Quantity	Contractor Total Price
TRAFFIC CONTROL PLAN		
Section: 908 Item: 90802		
-----	PER hrs	
-----	PER hrs	
Thirty Dollars and 00 Cents \$ 30.00	500.00 \$	15,000.00
-----	100	-----
BARRIER CURB		
Section: 1101 Item: 110111		
-----	PER Metres	
-----	PER M	
-----	786.00 \$	-----
-----	100	-----
CONCRETE MEDIAN		
Section: 1101 Item: 110125		
-----	PER Square Metr	
-----	PER M2	
-----	200.00 \$	-----
-----	100	-----
CONNECT TO EXISTING SYSTEMS		
Section: 1362 Item: 136205		
-----	PER L.S.	
-----	PER L.S.	
-----	1.00 \$	-----
-----	100	-----
REMOVE EXISTING CB		
Section: Item: 136425		
-----	PER unit	
-----	PER unit	
-----	2.00 \$	-----
-----	100	-----
PRESSURE GROUT PIPE		
Section: 1381 Item: 138171		
-----	PER L.S.	
-----	PER L.S.	
-----	1.00 \$	-----
-----	100	-----

Total Carried Forward \$ _____
 From Previous Page
 Total Carried Forward \$ _____
 HST \$ _____
 Grand Total \$ _____

SCHEDULE D
SCHEDULE OF EQUIPMENT TO BE USED ON THE WORK

SCHEDULE E
SCHEDULE OF SUB-CONTRACTORS

SCHEDULE F
ADDITIONAL FUEL ADJUSTMENTS

Due to significant fluctuations in fuel prices this year, this contract will have additional fuel adjustments applied to the following items that are applicable at the following rates based on the formula described on page 2. This adjustment will only be applied to specific contracts in the 2022 construction season and will not be applied to any contracts in future years.

Item# 20306	EXCAV: EARTH SURPLUS/SUITABLE	1.0 L/m ³
Item# 20307	EXCAVATION: EARTH WASTE	1.0 L/m ³
Item# 20602	BORROW: SELECT	0.5 L/t
Item# 20603	BORROW: COMMON	1.0 L/m ³
Item# 20701	GRANULAR BASE: A	0.6 L/t
Item# 60301	ASPHALT BASE: A	5.0 L/t
Item# 60326	ASPHALT LEVELING: A	5.0 L/t
Item# 60350	ASPHALT SEAL: B	5.0 L/t
Item# 61003	HMA DRIVEWAY MIX	5.0 L/t

Payment Adjustment for Fuel Cost

Compensation payable to the Department or the Contractor shall be based on the difference in the IRAC posted wholesale price of diesel 24 hours prior to tender closing of the Contract (Tender Fuel Price) and the IRAC posted wholesale price when the work was completed for the applicable item. This shall be calculated in accordance with the following:

The Department shall adjust payments to the Contractor under the applicable Item in the Contract Document based on the Island Regulatory and Appeals Commission (IRAC) historical Petroleum prices for Wholesale Diesel . The price is available on the IRAC website: <https://irac.pe.ca/petrol/current-petroleum-prices/>

The payment adjustment will be established for each IRAC approved adjustment during the time that Work is performed on any of the items in Table 1 and when the Wholesale Price (WP) differed from the Tender Fuel Price (TFP) by more than 5%.

The adjustments will be calculated using the Nominal Fuel Consumption Rates (NFCR) in Table 1 and the formulae shown below. The Department shall submit a statement to the Contractor identifying, by Item, the Fuel Adjustment (FA), the associated NFCA, and the Material Quantity (MQ) as identified on the previous Progress Estimate.

Table 1
Nominal Fuel Consumption Rates (NFCRs) by Item

Item #	Description	NFCR
20306/20307	Excavation	1.0 L/m ³
20601/20602/20603/20604	Borrow	0.5 L/t or 1.0 L/m ³
20701	Aggregate Base/Subbase	0.6 L/t
60301/60326/60350/61003	Asphalt Base/Seal	5.0 L/t

The payment adjustment shall be calculated as follows, where:

- FA = Fuel Adjustment
- WP = Wholesale Price
- TFP = Tender Fuel Price (posted price 24 hrs prior to tender closing)
- NFCR = Nominal Fuel Consumption Rate
- MQ = Material Quantity

When $WP > 1.05 TFP$, the FA is an additional payment to the Contractor as follows:

$$FA = (WP - 1.05TFP) \times NFCR \times MQ$$

When $WP < 0.95 TFP$, the FA is a deduction from payments due to the Contractor as follows:

$$FA = (WP - 0.95TFP) \times NFCR \times MQ$$

Examples:

1. A Contractor completes placement of 10,000 tonnes of select borrow and 5,000 tonnes of granular A. During the work period, IRAC approved four adjustments to the Wholesale diesel price which are as follows: \$1.11/L, \$1.15/L, \$1.23/L & \$1.26/L. The price of wholesale diesel 24 hours prior to the tender closing was \$0.90/L.

Within the first fuel adjustment IE. when the diesel price was \$1.11/L, 8,000 tonnes of borrow was placed and no granular was placed.

Within the second fuel adjustment IE. when the diesel price was \$1.15/L, 2,000 tonnes of borrow was placed and 1,500 tonnes of granular was placed.

Within the third adjustment IE. when the diesel price was \$1.23/L, 2,000 tonnes of granular was placed.

Within the final adjustment IE. when the diesel price was \$1.26/L, 1,500 tonnes of granular was placed.

Calculation

FA = Fuel Adjustment

NFCR = Nominal Fuel Consumption Rate, = 0.5l/t for borrow, = 0.6l/t for granular

MQ = Material Quantity

	Borrow	Granular
Work @ \$1.11 =	8,000t	0
Work @ \$1.15 =	2,000t	1,500t
Work @ \$1.23 =	0	2,000t
Work @ \$1.26 =	0	1,500t

TFP = Tender Fuel Price = \$0.90/L

WP is greater than 1.05*TFP therefore FA = (WP – 1.05TFP) x NFCR x MQ

		WP	(WP – 1.05TFP) (\$/l)	NFCR (l/t)	MQ (t)	Payment (\$)
Work @ \$1.11	Borrow	\$1.11	\$0.17	0.5	8000	\$680.00
	Granular	\$1.11	\$0.17	0.6	0	\$0.00
Work @ \$1.15	Borrow	\$1.15	\$0.21	0.5	2000	\$210.00
	Granular	\$1.15	\$0.21	0.6	1500	\$189.00
Work @ \$1.23	Borrow	\$1.23	\$0.29	0.5	0	\$0.00
	Granular	\$1.23	\$0.29	0.6	2000	\$348.00
Work @ \$1.26	Borrow	\$1.26	\$0.32	0.5	0	\$0.00
	Granular	\$1.26	\$0.32	0.6	1500	\$288.00

\$1,715.00 Payment

2. A Contractor completes placement of 4,500 tonnes of asphalt. During the work period, IRAC approved four adjustments to the Wholesale diesel price which are as follows: \$0.80/L, \$0.82/L, \$0.88/L & \$0.80/L. The price of wholesale diesel 24 hours prior to tender closing was \$1.35/L.

Within the first adjustment IE. when the diesel price was \$0.80/L, 1,200 tonnes of asphalt was placed.

Within the second fuel adjustment IE. when the diesel price was \$0.82/L, 1,000 tonnes of asphalt was placed

Within the third fuel adjustment IE. when the diesel price was \$0.88/L, 900 tonnes of asphalt was placed.

Within the final fuel adjustment IE. when the diesel price was \$0.80L, 1,400 tonnes of asphalt was placed.

Calculation

FA = Fuel Adjustment

NFCR = Nominal Fuel Consumption Rate = 5 l/t for seal

MQ = Material Quantity

Work @ \$0.80 = 1,200t

Work @ \$0.82 = 1,000t

Work @ \$0.88 = 900t

Work @ \$0.80 = 1,400t

TFP = Tender Fuel Price = \$1.35/L

WP is less than 0.95*TFP therefore $FA = (WP - 0.95*TFP) \times NFCR \times MQ$

	WP	(WP-0.95*TFP) (\$/l)	NFCR (l/t)	MQ (t)	Payment (\$)
Work @ \$0.80	\$0.80	-\$0.48	5	1200	-\$2,880.00
Work @ \$0.82	\$0.82	-\$0.46	5	1000	-\$2,300.00
Work @ \$0.88	\$0.88	-\$0.40	5	900	-\$1,800.00
Work @ \$0.80	\$0.80	-\$0.48	5	1400	-\$3,360.00

-\$10,340.00 Deduction