



**Division of Food Security, Natural Resources, the Environment & Sustainable
Development
Procurement Unit, Shirvan Administrative Complex,
Shirvan Road, Shirvan, Tobago
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22nd November 2024

AMENDMENT

Reference is made to the Invitation to Tender (ITT) **DFSNRESD 2024/24-001**
CONSTRUCTION OF AGRICULTURAL ACCESS ROAD AND REATAING WALL.

Attached is a copy of the following amendments to:-

- Page 9
- Page 55
- Bill of Quantities for Project One, Project Two, Project Three and Project Four

All amendments are written in **RED**

Please note that all other components of the previously issued ITT Document are applicable and are to be observed for Submission.

Procurement Unit

of a higher gradient which will be done with concrete paving as to assist in the whole life span of the roadway and the ability to resist inclement weather, therefore users and the state will have a reduce cost in maintenance in the long run.

3. SCOPE OF WORKS

The Scope of Works for the various Project for this tender is annexed as Schedule I. Schedule II contains the detailed bill of quantities for each Project. The contractor scope for this tender shall also include – (a) The contractor shall supply all required expertise, labour, tools, equipment, material and services required to provide and complete this Scope of Work according to specification and standard set by the authorized agent of the Division. (b) All unwanted apparatus should be discarded from project site.

4. SCHEDULE

The Firm must be able to commit and undertake the works within a **two (2) months' time period**.

5. INSTRUCTIONS TO TENDERERS

Tenderers are advised to read these instruction very carefully, since failure to abide by same may result in automatic rejection.

- (a) Tenderers are eligible to bid as individual tenderers or as joint ventures (**no more than 2 entities**).

(i) An individual Tenderer who does not own equipment can utilize a valid Equipment Lease Agreement .The lessor must provide proof of ownership of their equipment (see section 8 (j)). A copy of the signed valid Equipment Lease Agreement must be submitted in your tender submission package.

- (b) Tenderers, whether as individual tenderers or joint ventures are allowed to bid for a **MAXIMUM of TWO (2) Work Packages ONLY**, this includes either ONE or TWO but no more.

3. Labour and Equipment

The Contractor agrees to provide and pay for all labour, materials, equipment, tools, machinery, transportation, and other facilities and services necessary for the proper execution and completion of the Works.

4. Contract Price

- i. As consideration for the Works to be rendered by the Contractor under this Agreement, the Client shall pay to the Contractor the total contract price of ~~XXXXXXXXXX~~ (hereinafter the "Contract Price") for all labour, materials, equipment, tools, machinery, transportation, and other facilities and services to be furnished for the satisfactory completion of the Works.
- ii. A mobilization fee of thirty percent (30%) of the Contract Price, shall be paid to the Contractor upon execution of this Agreement, receipt of which the Contractor hereby acknowledges.
- iii. Ten percent (10%) of the Contract Price (the "Retainer Fee") shall be retained by the Client and shall only be paid to the Contractor upon expiry of the Defect Liability Period, as defined hereinbelow at paragraph five (5). Such amount shall be held by the Client as security for the performance of Contractor's obligations hereunder. The Client shall release the Retainer Fee less the value of outstanding punch list items (punch list items shall be mutually agreed to between Client and Contractor in writing). Once the Contractor completes the punch list items, any remaining Retainer Fee shall be immediately released and paid to the Contractor.
- iv. The remaining ~~seventy~~ ~~sixty~~ percent (60%) of the Contract Price shall be paid in full to the Contractor upon satisfactory completion of the Works and the Contractor's receipt of a Certificate of Completion issued by the Client.
- v. The Contractor shall submit invoices for any amounts due in respect of the Works.
- vi. All invoices for the provision of the Works shall be accompanied by documentation as required by the Client to substantiate the invoices and shall become due and payable by the Client within sixty (60) days of receipt by the Client from the Contractor.

5. Warranties

The Contractor agrees to promptly make good, without cost to the Client, any and all defects due to faulty workmanship and/or equipment which may appear within one (1) year from the date of completion and acceptance of the work by the Client (hereinafter the "Defect Liability Period").

AMENDED BILL OF QUANTITIES
Project I- Adelphi Road Extension, Mason Hall

Item	Description	Quantity	Unit	Rate	Total
1	PRELIMINARIES				
1.1	To cover the cost of Temporary Facilities; Signage, Survey works; Spray paint; Stakes; Caution tape; Insurance; Security and OSHA				
a)	Allow for temporary facilities, inclusive of miscellaneous Supplies: Spray paint, Stakes, human protection/ barrier etc.		sum		
b)	Allow for insurance in accordance with tender document		sum		
c)	Allow for Security for contractor's items and all parts of the project		sum		
d)	Allow for PPE and other safety items for site workers in accordance with necessary regulations set by OSHA		sum		
	Total carried to summary				
2	CONCRETE ROAD WORKS				
2.1	All inclusive of good working equipment where necessary (e.g excavator, dump truck, roller, compactor etc.); removal of vegetation; align roadway and the likes.				
a)	Allow for the protection replacement of all utility lines (similar to existing) across roadway and within drainage run. Note that the residents are NOT to be without a water supply as a result of the works. Lines that are DAMAGED as a result of the works are to be quickly repaired		sum		
b)	Allow for site clearing - remove vegetation (3,705 ft ²), existing deteriorated concrete roadway (2,145 ft ²), crossings (35 ft) and concrete drainage run (165 ft). Note that excavation covering the roadway shall not exceed 10 inches		sum		
	Collection				
2.2	All inclusive of formwork, cement/ sand render, concrete – 3000 psi, reinforcement – 6x6x5 gauge BRC, 5/8” HT steel, block work, and all other necessary items to complete the project				

a)	Allow for alignment of roadway 450 feet and camber same (2.5% @ 247 feet) as identified/ directed by the project officer at the site visit. Include for the alignment and reinforced concrete casting of three (3) entrances similar to the roadway construction. Note that each entrance SHALL NOT exceed 100 sq ft.		sum		
b)	Construct concrete roadway inclusive of wide corner 435' x 16' x 6" + 53' x 22' x 6" and or 8,126 square feet total roadway work.	143 150	yds ³		
b)	Construct slipper drain curb wall 270-300 feet in length x 6" wide x 8" in height. Include for 5/8" corrugated steel place vertically at 16" c/c	4	yds ³		
c)	Construct slipper to go along with item (b) above - 4" thick x 12" wide	3	yds ³		
d)	Allow for 12mm render to outer face and top of curb wall	1	yds ³		
e)	Allow for backfilling behind 8" curb wall and existing ground with rotten rock.		sum		
f)	Construct reinforced open concrete box drain 3 feet wide x 2 feet dept (all internal dimension) with 6 inches thick walls and base, and finish 8 inches above road level. Include for 5/8" corrugated steel at 8-16" c/c vertically and 8 inches c/c horizontally at base.	165	ft		
g)	Allow for the construction of reinforce concrete slab covered box drain with 6 inch thick base and sides - 90 feet long x 2 feet wide x 18" depth (internal dimension) – reinforcement 5/8" corrugated steel at 8" 16" c/c vertically and 1/2" horizontal steel (corrugated) at 8 inches c/c . Slab cover to be 90 feet long x 4 feet wide x 6 inches thick - single layer 5/8" corrugated steel 8" c/c (both direction), mat design. All wall to be 150mm thick.	90	ft		
	Collection				
2.3	All inclusive of formwork, cement/ sand render, concrete – 3000 psi, grinder, hilti and all other sundry items to complete the works				
a)	Cut all exposed steel at same high (1 foot above highest point mark on retaining wall) – Allow for the procuring and placing of formwork horizontally to incomplete retaining wall 190 feet long x 2 feet wide. Allow for no more than 2 inches cover to all steel (using the tallest steel as reference) to steel-works when casting finish concrete		sum		

b)	Procure and install formwork prior to casting	760	sq ft		
c)	Cast 21N concrete to complete retaining.		sum		
d)	Render outer face and top of retaining wall	2	yds ³		
	Collection				
	Total carried to summary				
3	DEMOBILIZE				
3.1	All inclusive, removal of tools, equipment and unused materials off site. Also dispose of debris to an approved dump site				
a)	Allow for the removal of tools, equipment and unused materials offsite. Also include the removal of debris to an approved dump site		sum		
	Total carried to summary				

BILL OF QUANTITIES
Adelphi Road Extension, Mason Hall
Summary

Item	Description	Total
1.0	PRELIMINARIES	
2.0	CONCRETE WORKS	
3.0	DEMOBILIZATION	
	Sub Total	
	VAT	
	Total	

AMENDED BILL OF QUANTITIES
Project II- Winsor Trace Extension Branch Road I

Item	Description	Quantity	Unit	Rate	Total
1.0	PRELIMINARIES				
1.1	All inclusive of temporary facilities; Insurance; Security; OSHA and the likes clearing site with heavy equipment and manual labour- 1900' x 15'				
a)	Allow for clearing site and align roadway	-	sum		
b)	Allow for insurance in accordance with tender document		sum		
c)	Allow for Security for contractor's items and all parts of the project. Include for temporary work facilities		sum		
d)	Allow for PPE and other safety items for site workers in accordance with necessary regulations set by OSHA		sum		
	Total carried to summary				
2.0	CONCRETE WORKS				
2.1	All inclusive of good working equipment (excavator, dump truck, 10 tonne roller, compactor for excavation works); remove vegetation; align roadway etc.				
a)	Excavate and cart away top layer 1900' x 15' x 150mm in depth.	530	yds ³		
b)	Allow for alignment (@ 2.5%) and compaction of roadway with 10 tonne roller to sufficient bearing capacity.		sum		
	Collection				
2.2	All inclusive of formwork, cement/ sand render, concrete – 3000 psi, reinforcement – 6x6x5 gauge BRC, 5/8" HT steel, block work, weep holes and backfilling - 28,500 ft ²				
a)	Construct concrete roadway 1900' x 15' x 6".	530	yds ³		
b)	Construct reinforce concrete curb wall for slipper drain 1900' x 6" x 8"	30	yds ³		
c)	Construct reinforce concrete slipper 4" thick x 12" wide	6	yds ³		
d)	Render outer face and top of curb wall with 12mm cement/ sand mix	4	yds ³		
e)	Allow for backfilling behind 8" curb wall and		sum		

	existing earthen bank with rotten rock				
f)	Allow for the placing construction of V-drain along roadway (similar construction approach) . Location to be identified by the Project Manager	3	nr		
g)	Allow for the alignment of turntable 25' diameter x 6" thick. Note: allow for similar construction approach to roadway		sum		
	Collection				
	Total carried to summary				
3.0	DEMOBILIZE				
3.1	All inclusive, removal of tools, equipment and unused materials off site. Also dispose of debris to an approved dump site				
a)	Allow for the removal of tools, equipment and unused materials offsite. Also include the removal of debris to an approved dump site		sum		
	Total carried to summary				

BILL OF QUANTITIES
Winsor Trace Extension Branch Road I
Summary

Item	Description	Total
1.0	PRELIMINARIES	
2.0	CONCRETE WORKS	
3.0	DEMOBILIZATION	
	Sub Total	
	VAT	
	Total	

AMENDED BILL OF QUANTITIES
Project Three - Winsor Trace Extension Branch Road II

Item	Description	Quantity	Unit	Rate	Total
1.0	PRELIMINARIES				
1.1	All inclusive of clearing site with heavy equipment and manual labour – 210' x 15'				
a)	Allow for clearing site and align roadway	-	sum		
	Total carried to summary				
1.1	All inclusive of temporary facilities; Insurance; Security; OSHA and the likes				
a)	Allow for insurance in accordance with tender document		sum		
b)	Allow for Security for contractor's items and all parts of the project. Include for temporary work facilities		sum		
c)	Allow for PPE and other safety items for site workers in accordance with necessary regulations set by OSHA		sum		
	Total carried to summary				
2.0	CONCRETE WORKS				
2.1	All inclusive of good working equipment (excavator, dump truck, 10 tonne roller compactor for excavation works); remove vegetation; align roadway etc.				
a)	Excavate and cart away top layer 210' x 15' x 150mm in depth – 4,710 square feet	530 87	yds ³		
b)	Allow for alignment (@ 2.5%) and compaction of roadway with 10 tonne roller to sufficient bearing capacity.		sum		
	Collection				
2.2	All inclusive of formwork, cement/ sand render, concrete – 3000 psi, reinforcement – 6x6x5 gauge BRC, 5/8 HT steel, block work, weep holes and backfilling 4,710 ft ²				
a)	Construct concrete roadway 210' x 15' x 6".	58 87	yds ³		
b)	Construct reinforce concrete curb wall for slipper drain 210' x 6" x 8"	3	yds ³		
c)	Construct reinforce concrete slipper 4" thick x 12" wide	2.6	yds ³		

d)	Render outer face and top of curb wall with cement/ sand mix	1	yds ³		
e)	Allow for backfilling behind 8" curb wall and existing earthen bank with rotten rock		sum		
	Collection				
	Total carried to summary				
3.0	DEMOBILIZE				
3.1	All inclusive, removal of tools, equipment and unused materials off site. Also dispose of debris to an approved dump site				
a)	Allow for the removal of tools, equipment and unused materials offsite. Also include the removal of debris to an approved dump site		sum		
	Total carried to summary				

BILL OF QUANTITIES
Winsor Trace Extension Branch Road II
Summary

Item	Description	Total
1.0	PRELIMINARIES	
2.0	CONCRETE WORKS	
3.0	DEMOBILIZATION	
	Sub Total	
	VAT	
	Total	

AMENDED BILL OF QUANTITIES

Project Four - Retaining Wall, Winsor Trace Extension, Branch Road III

Item	Description	Quantity	Unit	Rate	Total
1.0	PRELIMINARIES – Site Clearing				
1.1	All inclusive of temporary facilities, Insurance, Security, OSHA and site clearing with heavy equipment and manual labour to construct a two tier retaining wall – each 300’ x 13’				
a)	Allow for clearing site for the alignment of retaining wall		sum		
b)	Allow for insurance in accordance with tender document		sum		
c)	Allow for Security for contractor's items and all parts of the project. Include for temporary work facilities		sum		
d)	Allow for PPE and other safety items for site workers in accordance with necessary regulations set by OSHA		sum		
	Total carried to summary				
2.0	EXCAVATION AND EARTH WORKS				
2.1	All inclusive of good working equipment - excavator, dump truck, compactor; set out trench etc.				
a)	Allow for excavation of trench not exceeding 48” in depth. Include for the alignment of same using survey instruments		sum		
	Total carried to summary				
3.0	REINFORCEMENT WORK				
3.1	All inclusive of good working equipment – generator, chop saw, nippers; reinforcement – 5/8” HT rebar 2” concrete cover all round				
a)	Supply and place 5/8” HT steel in retaining wall footing (rebar design – 300’ x 7’), binders 8” c/c and 8” c/c for longitudinal pieces top and bottom. Allow for stem reinforcement to flow continuously from bottom of rebar into stem/ wall. Include for procuring, placing and removing timber form work	15,360	kg		
b)	Supply and place 5/8” HT steel (vertically 12” c/c) and (horizontally 9” c/c) to retaining wall stem	14,880	kg		

	Total carried to summary				
4.0	CONCRETE WORKS				
4.1	All inclusive of formwork, cement/ sand render, concrete – 3000 psi, weep holes, perforated pipe, geo-fabric, crush stone and backfilling material.				
a)	Supply and pour 21KN/mm2/ 3000psi concrete to retaining wall footing and stem. Include for rendering open face, top and side on completion	760	yds ³		
b)	Allow for 3” PVC weeper holes 3ft c/c vertically and horizontally on both walls		sum		
c)	Supply and place 6” PVC perforated pipe to back of retaining wall. Also allow for wrapping pipe in geo-fabric.	186	m		
d)	Allow for 1” to 1 1/2" sized gravel backfill to height of retaining wall and 3 feet away from same. Also allow for supply and placing of geo-fabric to back of wall.		sum		
e)	Allow for backfill material (rotten rock) between existing roadway and the retaining wall. Compact same in preparation for concreting. Also include for rotten rock between both walls		sum		
f)	Cast concrete roadway between existing asphalt and newly built retaining wall. Allow for requisite formwork, 6x6x5 gauge BRC and concrete depth to be 6 inches	3000	ft2		
	Total carried to summary				
5.0	DEMOBILIZE				
3.1	All inclusive, removal of tools, equipment and unused materials off site. Also dispose of debris to an approved dump site				
a)	Allow for the removal of tools, equipment and unused materials offsite. Also include the removal of debris to an approved dump site		sum		
	Total carried to summary				

BILL OF QUANTITIES
Retaining Wall, Winsor Trace Extension, Branch Road III
Summary

Item	Description	Total
1.0	PRELIMINARIES	
2.0	EXCAVATION AND EARTH WORKS	
3.0	REINFORCEMENT WORK	
4.0	CONCRETE WORKS	
5.0	DEMOBILIZATION	
	Sub Total	
	VAT	
	Total	