VIRGIN ISLANDS WATER & POWER AUTHORITY

PR-02-24

St. Thomas, Feeder 5A Primary

Date: March 26, 2024

ADDENDUM III

Questions & Answers, Clarifications and Modifications

Questions & Answers

Question #1:

Can you please provide model numbers and specifications for the 12 streetlights?

Response #1:

Streetlight: Current lighting company, Viper Series, #VP-ST-2-72L-185-AM-4F-UNV-A5-BLT-F-PC (or equal).

Pole: Current lighting company, RSA Series #RSA-B-S-20-50-C-CAP=1-B3-BLT

Note: Anodize the fixtures and include powder coating.

See attached cut sheet for reference.

Question #2:

The Bituminous Pavement Restoration Detail on Drawing #G-101 does not call for milling of existing pavement before overlay installation, but the drawing shows that 2" of existing asphalt is being removed. Please confirm that 2" milling for full lane bituminous pavement restoration is required.

Response #2:

2" milling for full lane bituminous pavement restoration is required.

Question #3:

It was noted during the site visit that in some areas the entire roadway width is dilapidated; will WAPA be issuing updated drawings to include full roadway width repaving in any areas?

Response #3:

The intent is to only restore one lane of roadway. This value has been estimated on Drawing #E-401 and has been provided in the Bid Form. No changes are being made at this time.

Question #4:

The specifications for the Queens Highway project call for the contractor to include services of a Site Utilities Engineering ("SUE"); are services of a SUE required for the Feeder 5A project?

Response #4:

An 'SUE' study is not required for the Feeder 5A project.

Question #5:

Please provide a plan or narrative describing trees and/or landscaping to be protected as part of this project.

Response #5:

The specific trees and landscaping to be protected have not been identified at this time. Contractor shall retain the services of an Arborist.

The FEMA/EHP Record of Environmental Consideration (REC), dated 04/27/23 states the following:

- **Workers will avoid the removal of vegetation, fence installation, construction activities, and light installation within 50 meters inland from high tide. An additional 20 meters buffer should be established to minimize indirect impacts from the project.**
- **When poles are being placed which requires some level of vegetation clearing for access, the access road and a 10 ft. diameter around the pole should be surveyed prior to vegetation clearance.**
- **Care shall be taken not to damage mahogany trees or their root system. The applicant is responsible for obtaining any required permits from the Virgin Islands Department of Agriculture in accordance with the Community and Heritage Tree Law of the Virgin Islands prior to the commencement of the proposed work.**
- **Also refer to Specification 01005, Miscellaneous Requirements, Section 5, and Specification 015639, Temporary Tree and Plant Protection for additional details.**

Question #6:

Please provide the design strength, max slump, and air for the controlled density fill.

Response #6:

- **Design Strength: 1,000 – 1,200 PSI @ 28 days**
- **Max Slump: 9" +/- 1"**
- **Air: 15% +/-**

Question #7 :

Drawings reference (1) 4” PVC conduit to be run down existing cable racking for (3) 15kv 1/0 full neutral cables, at the site walk down the VIWAPA representative called out (2) 6” rigid conduits to be run down the existing racking. Please clarify what conduit size is to be run down the existing racking.

Response #7:

Provide (1) 4” Rigid galvanized steel conduit in lieu of (1) 4” PVC conduit. No other modifications are required. The adjusted Bid Form is attached.

Question #8 :

Can you please provide the submarine cable spec that is to be spliced?

Response #8:

This information is not available at this time.

Question #9:

May the contractor use any of the VIWAPA owned property in the 5A project to stage equipment and material?

Response #9:

The Contractor may utilize the areas that are outside of the VIWAPA gated area for staging equipment and material. For the work to be performed inside the gated area (SC-5A-3 to the existing pad mounted switchgear near VIWAPA Fuel Dock area), the Contractor may use that area for staging equipment and material.

Question #10:

Is this project a lump sum or unit price bid?

Response #10:

This project is lump sum bid.

Question #11:

Does PVC conduit used for the project have to be US made?

Response #11:

Yes, the Schedule 40 PVC shall be US manufactured, and UL Listed.

Question #12:

Are the costs of required disconnects/reconnects of energized lines associated with outages for the intercepts to existing system to be provided at no cost to Contractor or do we need to figure these costs into our bid?

Response #12:

Existing primary lines will be de-energized and re-energized by VIWAPA as required for tie-ins to the existing system. This will be done at no cost to the Contractor.

Question #13:

Will contractors be responsible for cleaning up heavy materials and waste products or will WAPA take care of this prior to construction? (e.g. concrete block located near Kobaz towing)

Response #13:

Yes, the responsibility of the removal of any heavy materials and/or waste products belongs to the awarded bidder.

Question #14:

Will access be granted to contractors beyond the security gate toward the Water Island riser?

Response #14:

Yes, after the contractor is selected, they will be granted access to these areas in the plant.

Question #15:

Is the duct bank located near the Propane storage empty/not in use? Are there any UG facilities in that area?

Response #15:

- **The conduits(s) that transition from the pipe bridge to underground and run up to the propane storage area are in use. The contractor shall verify the location of this duct bank in order to coordinate the new duct bank depth.**
- **There is also a propane line that transitions from the pipe bridge to underground. The awarded contractor shall verify this location as well in order to coordinate the new duct bank depth.**
- **Note that the awarded contractor will be responsible to locate any existing utilities in the path of the proposed duct bank system.**
- **Refer to Specification Section 01005 'Miscellaneous Requirements'. Below is the relevant language from Specification Section 01005:**

EXISTING UTILITIES

A. Verification of the location of the Existing Utilities is the responsibility of the Contractor:

B. Representations of existing utilities, facilities, and structures in the Contract Documents are based upon the best available information. The Owner and/or Project Manager will not be responsible for the completeness or accuracy thereof nor for any deductions, interpretations, or conclusions drawn there from. The Contractor shall verify to their own satisfaction by test pit and by the use of Ground Penetrating Radar (GPR), the actual location of existing utilities prior to excavation for duct banks, manholes and handholes.

    a. Should the Contractor in the course of their operations encounter any underground utilities the presence of which was not previously known, or a different type than shown, they shall immediately notify the Project Manager and take all necessary precautions to protect the utility and maintain continuance of service until said utilities can be adjusted by the appropriate owners.
    b. Damage caused to utilities either directly or indirectly by the Contractor shall be repaired and the facilities restored to their original condition to the satisfaction of the Project Manager and the utility owner, at no additional cost, irrespective whether utilities are shown on the plans.

C. Call before you Dig: The USVI does not have a formal “Call before you dig” process in place. As such, it is the contractor’s responsibility to formally notify all utility companies (DPW, Viwapa Power & Water, Waste Management, VINGN, etc.) of the project scope. The contractor shall provide a letter to the VIWAPA Project Manager, stating that they have contacted each Utility company, have shared the contract documents with them, have provided them with a copy of the construction schedule and have requested any, and all, available information regarding known utilities within the boundaries of the project.

Clarifications

Clarification #1:

For the purposes of communicating to suppliers anticipated buy out of material dates, please refer to the estimated dates:

a. Contract Award: June 26, 2024

b. Notice to Proceed: July 31, 2024

c. Contractor to Begin Excavation: September 11, 2024

Clarification #2:

Please refer to the anticipated dates of delivery for owner furnished equipment:

a. Transformers: March, 2025

b. Switchgear: March, 2025

c. MV Cables: October, 2024

Modifications

Modification #1:

Replace electrical testing requirements on Drawing #G-100 with the following:

ELECTRICAL TESTING REQUIREMENTS

CONTRACTOR SHALL PERFORM ELECTRICAL ACCEPTANCE TESTING FOR NEW EQUIPMENT AND MATERIALS AS DESCRIBED BELOW. NOTE THAT TESTING IS NOT REQUIRED FOR EXISTING EQUIPMENT AND COMPONENTS. IF QUALIFIED, THE CONTRACTOR MAY SELF PERFORM ALL MV CABLE AND LV CABLE TESTING.

ACCEPTANCE TESTING RESPONSIBILITIES

PAD MOUNTED MV DISTRIBUTION SWITCHGEAR

1. REFER TO SPECIFICATION 261300.01, SECTION 6.5 'FIELD QUALITY CONTROL' FOR DETAILS.
2. REFER TO SPECIFICATION 260800.01 "ELECTRICAL INSPECTION & TESTING" FOR ADDITIONAL INFORMATION.

MEDIUM VOLTAGE CABLES (REFERENCE: ANSI/NETA ATS-2021 SECTION 7.3.3)

1. REFER TO SPECIFICATION 260513, SECTION 3.2 "FIELD QUALITY CONTROL" FOR DETAILS.
2. REFER TO SPECIFICATION 260800.01 "ELECTRICAL INSPECTION & TESTING" FOR ADDITIONAL INFORMATION.

TRANSFORMERS, LIQUID FILLED (REFERENCES: NFPA 70B & ANSI/NETA ATS-2021 SECTION 7.2.2)

1. REFER TO SPECIFICATION 261219, SECTION 3.5 "FIELD QUALITY CONTROL" FOR DETAILS.
2. REFER TO SPECIFICATION 260800.01 "ELECTRICAL INSPECTION & TESTING" FOR ADDITIONAL INFORMATION.

CABLES, LOW VOLTAGE, 600-VOLT MAXIMUM (REFERENCE: ANSI/NETA ATS-2021 SECTION 7.2.2)

1. REFER TO SPECIFICATION SECTION 260519, SECTION 3.5 'FIELD QUALITY CONTROL' FOR DETAILS.
2. REFER TO SPECIFICATION 260800.01 "ELECTRICAL INSPECTION & TESTING" FOR ADDITIONAL INFORMATION.

Modification #2:

Replace the following Specification Sections with the new Specification attached:

- **Section 261300.01 - Pad Mounted Medium Voltage Distribution Switchgear**
- **Section 260513 - Medium Voltage Cables**