

Scope of Work

1. Overview

- 1.1. The Owner has purchased new Asphalt and Aggregate Screening Plant to be located near the existing Asphalt plant at the Government Quarry in Hamilton Parish. Detailed descriptions of the equipment to be installed can be found in Annex G and H.
- 1.2. The existing Asphalt plant will remain in operation until the new plant is installed, tested and commissioned and this Proponent must coordinate their work with the existing plant to avoid disruptions to the supply of asphalt.
- 1.3. When the equipment arrives at the Government Quarry the Proponent will provide skilled labour and construction equipment to assemble the Plants.
- 1.4. The Supplier's Technicians will be available to provide guidance and advice to the Proponent's Superintendent and to work hand in hand with the Proponent to ensure proper assembly of the equipment.
- 1.5. The Proponent's skilled labour will not be directed by the Supplier's Technicians but will remain under the direct supervision of the Proponent.
- 1.6. The Asphalt Plant equipment will be pre-assembled at their factory in Chattanooga Tennessee before to it prepared and shipped to Bermuda. The pre-assembly will be for fit and function only, no asphalt will be produced.
- 1.7. The Proponent shall provide senior site personnel to attend and witness the pre-assembly so they are very familiar with the assembly, with a view to use this experience in Bermuda.
- 1.8. The Asphalt Plant equipment will start shipping from Astec, Inc., 4101 Jerome Ave, Chattanooga, TN, United States of America, 37407 in mid-November 2024. There will be several shipments of equipment with the final components arriving early in January 2025.
- 1.9. The Asphalt Plant will be assembled on foundations prepared by others.
- 1.10. The Aggregate Screening Plant will be shipped directly to Bermuda in several loads and assembled at the Quarry site but not in its final location. The sub-assembled components will be relocated to their final position when space is made available.
- 1.11. The Aggregate Screening Plant equipment will start shipping from Astec, Inc., 4101 Jerome Ave, Chattanooga, TN, United States of America, 37407 in early August 2024 and it is expected to be in the Government Quarry at the end of August 2024. The final pieces of the Aggregate Screening Plant are expected to be on site the second week of October.
- 1.12. A preliminary shipping schedule is provided in Annex I. It should be expected that this schedule will change as the project progresses and the Proponent must allow for these changes in their proposed schedules.
- 1.13. For the purpose of pricing, the Plant Assembly work will be based on daily unit rates for labour and equipment and cost plus for consumables as shown in Annex B.

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- 1.14. The site will be closed between December 20, 2024 and re-open on January 6, 2025.
- 1.15. This Proponent will receive, unload the containers and trailers, take control of the shipments including securing them and protecting them from the weather and damage.
- 1.16. The Proponent, along with a witness from the Owner, shall confirm receipt of the equipment in good order or prepare detailed documents to record short falls or damage.
- 1.17. The Proponent is expected to complete all the work while the existing Asphalt Plant remains in operation. A very detailed and comprehensive construction plan will be required and agreed with the Owner prior to work beginning on site.

2. Mobilization

- 2.1. Mobilize a work crew and all equipment to complete the Works.
- 2.2. The Proponent shall meet with Government Quarry Management to confirm laydown areas, set communications channels and facility use coordination to prevent delays before work begins on site.
- 2.3. The Proponent shall coordinate safety and health programs with Government Quarry Management.
- 2.4. The Proponent shall document the pre-mobilization conditions of the site and laydown areas and provide a copy to Government Quarry Management.

3. Construction Management Plan

- 3.1. Review the existing site conditions and facility operations.
- 3.2. The Proponent shall prepare a Construction Management plan detailing the work and the schedule required to complete the Works.
- 3.3. It is the intention of the Government Quarry Management team to continue operating the facility during the construction phase of this work. Down time for the facility is not an option.

4. Time Keeping Records

- 4.1. The Proponent will be required to keep accurate and complete records for all labour, equipment and consumables used directly on this Work.
- 4.2. The records shall be presented to the Owner's representative each and every day that Work is completed.
- 4.3. Failure to present daily timesheets to the Owner's representative each and every day may result in non-payment for time claimed on that day.
- 4.4. The Owner's representative shall verify the Tradespeople and their hours, equipment and consumables being claimed for that day.

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- 4.5. The Owner's representative shall sign off on the daily timesheets or request corrections with either additions or deletions. Corrections must be resolved immediately or the Owner's records shall be used to determine payment.
- 4.6. The Proponent shall submit a weekly summary detailing all labour, equipment and consumables complete with the daily timesheets, delivery slips for materials and consumables.
- 4.7. Weather delays that prevent Work to proceed in a safe and productive manner will be paid with two hours for all on-site labour at the start of the day when it is evident that work cannot be started and continued. Tasks that can proceed safely in rainy conditions will be expected to continue and will not be considered weather delays. All weather delays will be recorded on the daily timesheets.

5. Astec Inc. – Technical Support

- 5.1. The Owner has purchased a new Asphalt Plant and an Aggregate Screening Plant from Astec, Inc., 4101 Jerome Ave, Chattanooga, TN, United States of America, 37407.
- 5.2. The Proponent shall review the Astec Inc. scope of supply and incorporate it in their works. Items or services not included in their scope of supply must be included in the work and completed by this Proponent by providing the personnel, equipment and materials necessary to complete the works.
- 5.3. The Owner has hired a representative from Astec Inc. to provide experience and advice for installing the associated equipment. This representative will not direct or instruct your crews on installing the equipment but will be available to assist during the planning of the works and on site during the works as a technical resource. Their prime function is to ensure the equipment and the supporting systems are installed properly.

6. Component and System Testing

- 6.1. The Proponent shall assist with testing of both plants under the direct supervision of the Plant Supplier's representative.
- 6.2. After all the components in a system are tested and operate properly can all systems be completed and tested to ensure they are operating as expected and in compliance with the design parameters.
- 6.3. The Proponent shall assist in keeping a log detailing the results of the testing programme that shall be submitted for review and acceptance before any Commissioning shall be permitted to begin. The log shall include component and system fails and the corrective measures used to rectify the errors. This log shall be included with the as-built documentation.

7. System Commissioning Programme

- 7.1. A complete and through commissioning programme shall be prepared and submitted by the Supplier. The Proponent shall assist as required under the direction of the Supplier during the commissioning of each plant.

8. Plant Testing

- 8.1. The Proponent shall assist with testing of both plants under the direct supervision of the Plant Supplier's representative.

9. De-mobilization

- 9.1. Demobilize the work crew and all their equipment from the facility.
- 9.2. Return the site to the pre-mobilization conditions.
- 9.3. Obtain hand over sign off from Government Quarry Management confirming that the construction site and lay down areas are returned in pre-mobilization conditions, clean of all debris and construction equipment.