

Annex C - 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.
- 1.2. This work includes;
 - 1.2.1. Lay out the plant foundations
 - 1.2.2. Site grading
 - 1.2.3. Supplying and placing the reinforcing bars as detailed on the drawings
 - 1.2.4. Supplying and installing the cast-in-place anchor bolts, all weld plates, and metal edge angles
 - 1.2.5. Supplying and installing electrical ducts in the foundations
 - 1.2.6. Properly placing and consolidating the concrete
 - 1.2.7. All exposed concrete corners to be chamfered ½”
 - 1.2.8. Sloping and finishing the concrete surfaces to prevent ponding
 - 1.2.9. Moist curing or applying a curing compound to the concrete
 - 1.2.10. Refurbishment of the old BELCO vault into an asphalt laboratory.
 - 1.2.11. Supplying and installing chain link fencing around the bitumen storage area c/w access gate.
- 1.3. This work includes laying out the plant foundations, placing the reinforcing bars as detailed on the drawings, installing the cast-in-place anchor bolts and plates, supplying and installing electrical ducts, properly placing and consolidating the concrete, sloping and finishing the concrete surfaces to prevent ponding, as well as moist curing or applying a curing compound to the concrete.
- 1.4. The precise location of the anchor bolts is key to fitting the Plant equipment properly. The Contractor shall layout, set and secure the anchor bolts to prevent movement during the concrete placing operation. The anchor bolts must be vertical before, during and after the concrete has being placed.
- 1.5. No concrete will be placed until the Owner can confirm that the locations and elevation of the anchors are in accordance with the drawings.
- 1.6. The foundations must be built in the same order as the installation of the equipment on the foundations. The exact order for constructing the foundations will be discussed and agreed with the equipment supplier, the Owner and the Contractor.

1.7. It is expected that the Aggregate Screening Plant will be on site in mid-October 2024 and the Asphalt Plant will ship from the USA mid-November 2024 with shipments arriving throughout December and January.

1.8. 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. Site Grading

3.1. The existing asphalt under the new foundations will be removed and the bear rock exposed.

3.2. The site will be built up using Owner supplied granular material located on site so that top of concrete for the foundations to be 10'-0", or as noted on the foundation drawings. All granular materials shall be compacted to their maximum dry density in loose lifts not to exceed 6" in height.

3.3. After the foundations are built they will be backfilled with the available site materials, leaving room for 3" of asphalt paving, and sloped away from the foundations at ¼" per foot.

3.4. The retaining walls and ramps will also backfilled using the available site materials, compacted to their maximum dry density in loose lifts not to exceed 6" in height. The ramp slopes shall not exceed 10 degrees.

4. Electrical Conduit Supply and Installation

4.1. Supply and install 5 x 2" dia x 10ft long, PVC conduits in each foundation to allow for electrical connections to the equipment on top of the foundations.

4.2. The exact location, number, routing and size of these conduits shall be confirmed when the equipment locations are confirmed.

5. Construction Management Plan

5.1. Review the existing site conditions and facility operations.

5.2. The Proponent shall prepare a Construction Management plan detailing the work required to complete the Works. Works must be coordinated with the follow-on Contractors.

5.3. The Construction Management plan must include consideration to ensure concrete is supplied and delivered on schedule. This is expected to require pro-active management of the supplier by giving them plenty of time to schedule deliveries.

5.4. 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.

6. Schedule

6.1. The required completion schedule for these works is very critical for the completion of the entire project because the follow on works rely in the foundations being in place and cured to carry the equipment's dead loads.

6.2. The Respondent must provide a detailed and accurate construction schedule to be considered for this project.

7. Procurement

7.1. The Owner may decide to supply all the reinforcing steel, chairs/bolsters/standees, tie wire, water stop, and curing compound for the Works if it can be of benefit to the project's schedule. The reinforcing will be cut and bent to the required dimensions and delivered to a convenient location at the site.

7.2. A decision on this procurement will be made via addenda after the site meeting.

8. De-mobilization

8.1. Demobilize the work crew and all their equipment from the facility.

8.2. Return the site to the pre-mobilization conditions.

8.3. 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.