**Scope of Work:**

The Contractor shall furnish all labor, materials, tools, equipment and supplies necessary to construct and install three access barriers for the Louisiana Department of Corrections (DOC).

**Location:**

Louisiana Correctional Institute for Women

6923 Highway 74 St

Gabriel, LA 70776

**Jobsite Visit Contact:**

Hartley Liles (225) 319-2346

Tammy Hill (225) 437-9611

**Specifications:**

* Lane Width: Must be between 3m and 3.5m.
* Opening/clothing time to be between 1.3 seconds with a max of 1.5 seconds.
* Power consumption to have a maximum of 95W.
* Drive Technology shall be MHTM (MicroDrive system, maintenance free, energy efficient and high-torque drive unit).
* Voltage shall be between 85-264 VAC or 50/60 Hz.
* Dimensions shall be 315 x 360 x 915 mm.
* Temperature range must be -30 to +55 degrees C.
* Weight shall be 39 to 40 kg.
* Colors shall be yellow Orange, white aluminum, gray aluminum.
* VarioBoom shall be standard.
* Control System must be MGC Pro (Micro Grid Control).
* Integraded 2-channel detector for induction loops shall be standard.
* Modular expansion of control system shall be freely expandable.
* Variable input/output assignment shall be standard.
* Number of digital inputs must be 8.
* Number of relays must be 6.
* Number of digital outputs must be 4.
* Input with test for safety light barrier/laser scanner shall be 1.
* Selectable closing and opening speed shall be standard.

The following shall be included as an additional option:

* Special color
* Boom extension set
* Articulated boom
* Support post
* Boom drop contact
* Boom interlock
* Boom illumination, red
* Light strips, red/green
* Hood light
* Key-operated switch
* Radio module
* Ethernet module
* RS485 module
* CAN Module (CONTROLLER AREA NETWORK)
* Second detector mode
* GSM Module (GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS)
* Safety Light Barrier/Laser Scanner
* Battery Back up

**General Terms and Conditions:**

* The Contractor shall be responsible for delivery and pickup of materials, supplies needed to complete the job.