**Scope of Work:**

Contractor shall furnish all labor, materials, equipment, and tools in order to manufacture and install 11 detention gate locks, four hydraulic vehicle gate operators and trucks, three new relay logic controls, and furnish four complete sets of special tools required for locking device and hardware maintenance for the Louisiana Department of Corrections (DOC).

**Location:**

Dixon Correctional Institute

5568 Highway 68

Jackson, LA 70748

**Site Visit Contact:**

Will Bunch

225-634-6101

**Project location Sallyport 1 and Sallyport 2**

- Contractor shall remove existing gate locks and return locks to DOC. Existing locks are CPC Model FA800ES.

- Contractor shall provide and install 11 total swinging gate locks with lock lug on existing gates to replace the locks that were removed.

1. Newly installed locks shall be Southern Steel 1050S-2 or equal.

 **2**. New locks shall be compatible with existing key system.

**Brand/Model of Gate Lock Bidding:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

-Contractor shall remove existing hydraulic gate operators and return to DOC.

-Contractor shall provide and install four total hydraulic slide gate operators where previous gate operators were removed.

**1.** Newly Installed gate operators shall be HySecurity SlideDriver 40-C (222 CE ST) or equal

**Brand/Model of Side Gate Operator Bidding:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Project location Tower 1, Tower 5 and Sallyport 5**

-Contractor shall provide and install three total Relay Logic Door Control System Panels.

**-**Contractor shall provide an electronic, relay logic door control system for control and monitoring of electrically operated and/or monitored door. System shall be modular in nature with plug-in components for relays and switch selections for operations. All components shall be solid state and UL listed. Relays for interface to electric locking device shall be electro-mechanical. Newly installed system shall be Securtec RL1000 or equal.

**Brand/Model of Door Control System Bidding:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**-**Control system components shall include:

1. Power keyswitch, Altech 2Ak2-01 or equal
2. Indicator LED
3. Lamp test
4. Interlock override
5. Remote control unlocking of electrically operated door locks. There shall be no other system (CCTV, Interior, Fire Alarm, etc.) integrated with or a part of this door control system.

**Brand/Model of Power Keyswitch Bidding:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**-**Contractor shall provide terminal blocks to accommodate each and every incoming or outgoing field conductor. All terminations shall be made on terminal strips or connectors designed for the conductors to be terminated. Contractor shall provide terminal strips with integral labeling for identifications.

**-**Backboard shall be mounted in Control Panel Turrets or enclosures as required.

**Power Supply:**

-Contractor shall remove existing power supplies and return them to DOC. Contractor shall provide power supplies as required for control and indication functions. Power supply shall conform to requirements of NEC Article 725 andprovide overcurrent protection of primary and distribute secondary overcurrent protection for secondary wiring circuits.

**1.** Class 1 power supplies shall be provided by contractor with overcurrent protection as required by NEC Article 725. Contractor shall provide overcurrent protection for all conductors with ampere rating. Minimum conductor size serviced by a Class 1 power supply shall be 18 gauge.

1. Class 2 power supplies shall be power limited and/or overcurrent protected in accordance NEC Article 725. Name plate rating shall not exceed limits indicated in NEC Article 725. Minimum conductor size serviced by a Class 2 power supply shall be 22 gauge.
2. Contractor shall provide terminals for all incoming power (120 VAC) circuits provided. Contractor shall distribute load equally among all circuits provided.

**Door Control Panel:**

**-**Contractor shall remove existing door control panel and return to DOC. Newly installed door control panel shall be Securtec CP1000AL or equal. Door control panel faceplate shall be minimum 1/8 inch thick anodized aluminum with the floor plans of the area being controlled/monitored engraved on it.

-Exterior walls shall have 1/8 inch engraved lines indicating exterior wall.

-Interior walls shall be 1/16 inch woven wire mesh and steel plate walls shall be 1/32 inch wide.

-All rooms shall be labeled with the proper room name. All engraved line and wording shall be painted with black enamel after engraving.

-Aluminum faceplate shall be attached to a 12 gauge steel-sloped top metal turret with security screws. Turret shall be painted black and anchored to the countertop in the control rooms.

**Brand/Model of Door Control Panel Bidding:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

-Contractor shall furnish and install switches, LEDs and devices as required.

**-**Contactor shall furnish lamp test switch to illuminate all lamps on control panel and necessary circuitry to protect all components.

**-**Contractor shall provide support to stabilize panel face as required.

**Control and Indicating Devices:**

-Switches: Contractor shall provide control switches for electronic or power application as required for proper operation of equipment controlled. Switches shall be Microswitch AML Series 20 or equal.

**Specify Brand/Model of Control Switch Bidding:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Housing shall be snap-in modular construction of square or rectangular type.
2. Switch shall be push button type or key.
3. Electronic switches shall be 1, 2, or pole with 3 amp, 125 volt contacts.
4. Power switches shall be 1 or 2 pole with 10 amp, 125 volt contacts.
5. Operating action shall be 2 or 3 position, maintained or momentary contact as required for operation.
6. Indicating lights shall be LED.
7. Contractor shall verify electrical operation of switches indicated with supplier of equipment controlled to insure proper operation. Contractor shall change switch characteristics if required for operation.

**-**Light Emitting Diode (LED) Indicators shall be installed in control rooms by contractor. LED Indicator installed shall include:

1. Connector, internal resistor
2. Polycarbonate lens
3. 5/16 inch diameter
4. Colors:
5. Red: Non-secure condition, alarm condition Chicago mini lamps 1091 M1224VDC

**B.** Green: Secure condition, Chicago mini lamps 1091 M5-24VDC

**Electronic Door Control Field Wiring:**

-Contractor shall furnish, install and connect all required wiring, conduits, black boxes, junction boxes, etc. from electrical power sources to door control panel relay enclosures; and from door control panel relay enclosures to each electrically operated lock and to each electronically monitored door position or lock bolt position switch, all as coordinated and required by Detention Equipment Contractor for properly operating door control system. When two or more electronically operated and/or monitored items are used on the same door, Contractor shall also furnish and install required wiring and connections between each of these hardware items.

Contractor shall comply with manufacturer’s installation requirements regarding each product.

**\*\*Note: If bidding an “or equal” product, contractor should include a manufacturer’s specs or product description sheet with their bid submittal for review.\*\***

**Other Requirements:**

-Work shall be performed Monday – Friday from 7:00 AM – 3:30 PM.

-Successful contractor shall contact Facility Maintenance Coordinator Will Bunch @ 225-634-6101 to schedule.

-Contractor’s representatives are subject to passing a background check.

-All visitors are subject to a search of their vehicles, possessions and persons. This is necessary to preclude the introduction of weapons, ammunition, explosives, cell phones, alcohol, escape devices, drugs and drug paraphernalia, or other forbidden items or contraband into the prison environment. All searches of visitors shall be conducted in accordance with Department Regulation No. C-02-005 and Penitentiary Directive No. 09.004 and 09.004A.

-Contractor’s representatives shall follow all institutional policies and procedures while performing work on facility grounds.

-Contractor is subject to a conference/training with facility staff after the contract is executed and before performing any work.