

**LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
SPECIFICATIONS**

**LEASE, MONITORING & MAINTENANCE
OF A
FACILITY WIDE SECURITY AND ACCESS CONTROL SYSTEM**

MATERIALS & TESTING LABORATORY

SCOPE OF WORK

Contractor shall provide a Leased Security and Access Control System for the DOTD Materials and Testing Laboratory located at 5080 Florida Blvd., Baton Rouge, LA. System shall be a facility wide system that covers all six (6) buildings including both a continued lease for the currently installed components in buildings 1 – 3 and additional components to be installed by the contractor in buildings 1, 2, 4, 5 & 6 as detailed below. Contract shall include the lease, monthly monitoring and maintenance of the system.

**CURRENT SECURITY AND ACCESS CONTROL SYSTEM COMPONENTS
INSTALLED IN BUILDINGS 1 - 3**

Building 1

Security System Components:

- Two (2) Keypad/Touch Command Centers
- One (1) Zone Expander
- Five (5) Door Contacts and/or Interconnect Access Control Door Contacts
- Six (6) Motion Detectors, One (1) at Each of the Following Locations:
 - One (1) Installed at the Soil Mechanics Lab
 - One (1) Installed at Room 105
 - One (1) Installed at the Main North Hall
 - One (1) Installed at the Main South Hall
 - One (1) Installed at the Physical Lab
 - One (1) Installed at the Second Floor West Foyer
- One (1) Exterior Siren with Integrated Strobe Light

Building 2

Security System Components:

- One (1) Control Panel
- One (1) Backup Battery and Enclosure for Control Panel
 - Operational for a Twenty (20) Hours of Power
- One (1) Zone Expander
- Two (2) Keypads/Touch Command Centers
- Twenty-eight (28) Window Contacts

- Seven (7) Door Contacts and/or Interconnect Access Control Door Contacts
 - Five (5) Exterior
 - Two (2) Interior
- Five (5) Exterior Door Motion Detectors
 - Two (2) Installed at the North Exit
 - One (1) Installed at the South Exit
 - One (1) Installed at the East Exit
 - One (1) Installed at the West Exit
- One (1) Exterior Siren with Integrated Strobe Light

Building 3

Security System Components:

- One (1) Keypad/Touch Command Center
- One (1) Zone Expander
- Two (2) Door Contacts and/or Interconnect Access Control Door Contacts
- Two (2) Exterior Door Motion Detectors:
 - One (1) Installed at the DCL Office
 - One (1) Installed at the South Receiving Area
- One (1) Exterior Siren with Integrated Strobe Light

Access Control System Components:

- Four (4) Electromagnetic Locks
 - Two (2) Installed at Building 1 on the Southeast receiving room
 - Two (2) Installed at Building 2 on the North foyer gates
- Fourteen (14) Electromagnetic Locks with 1,500 lb. Capacity
 - Installed on exterior building exit doors of buildings 1 - 3
- Fourteen (14) Backup Push-to-Exit Buttons
 - Installed at each access control door location
 - Button has a 30 second timer and is not dependent on the access control system
- Ten (10) HID iClass DP Card Readers (exterior walls)
 - Installed at each exterior exit door of Buildings 1 – 3 with the exception of the Southeast loading dock of Building 1
- Two (2) HID iClass DP Card Readers (interior walls)
 - One (1) Installed at Building 1 Southeast receiving room
 - One (1) Installed at Building 2 at the North foyer gates
- Three (3) Access Control Door Panels
 - One (1) Installed at Building 1
 - One (1) Installed at Building 2
 - One (1) Installed at Building 3
- Twelve (12) Motion Detectors
 - Installed at each access control door location
- One (1) 24-hour Battery Backup Power Supply
 - Installed in Building 2
 - Provides backup power to the card reader panels during an AC power failure

Access Cards:

Contractor to provide Electronic Proximity Access Keys, up to 100 per twelve-month period, upon request of the Department.

SYSTEM COMPONENTS TO BE INSTALLED IN BUILDINGS 1, 3, 4, 5 & 6

Building 1

- Two (2) Overhead Door Contacts

Building 3

- Two (2) Overhead Door Contacts

Building 4 & 6

Security System Components:

- One (1) Bosch Burglar Alarm
- One (1) Control Panel
- One (1) 4G Cell Module
- Three (3) Keypads
- Ten (10) Door Contacts
- Three (3) Roll-up Door Contacts
- One (1) Exterior Siren with Integrated Strobe Light

Building 5

Security System Components:

- One (1) Bosch Burglar Alarm
- One (1) Control Panel
- One (1) 4G Cell Module
- Six (6) Keypads
- Eight (8) Door Contacts
- Five (5) Roll-up Door Contacts
- One (1) Exterior Siren with Integrated Strobe Light

SYSTEM FUNCTIONALITY, SOFTWARE, & REPORTING

System components for each building shall report to the main control panel located in Building 2. System must be capable of real time activity/event monitoring.

The system shall be capable of auto-arming at a specified time each evening. An on-board Ethernet port shall allow the system to be monitored via a Network. The system shall include a remote access/control app that allows designated personnel to check real-time system status and to arm/disarm the system remotely. The alarm shall disarm when an access control key card or key fob is used to access the building.

Security system shall store system history/activity for one (1) year. Information shall be accessible by logging into the dedicated DOTD account via a web browser using any desktop, laptop, or tablet with internet access. End user shall also be able to access the system remotely to review data, download data, and grant/deny access. System must provide an unlimited number of access authority levels to be assigned to an individual account.

System must be capable of generating reports showing time of access and access location, on individual card users and all card readers during a specific period of time. Access cards must be able to be programmed for access based on time of day, day of week, cardholder access levels including but not limited to specific doors which a user has access to. Programming must have the ability to exclude holidays from door schedules with the software being pre-programmed to deny access during the specified time periods.

Software updates shall be performed as recommended by the manufacturer as part of the standard maintenance for the system.

INSTALLATION & TRAINING:

Contractor shall coordinate with DOTD Section 22 personnel a minimum of 7 days in advance of installation, and /or removal of equipment and appurtenances.

Contractor shall provide all supervision, labor, materials, suppliers, and equipment and shall plan, coordinate, schedule and ensure effective performance of all service(s) described herein. All work areas shall be returned to their condition prior to installation. Contractor shall be held responsible for any damage of property by Contractor's employees while performing these services.

Contractor, upon completion of system installation, shall provide two (2) operating and maintenance manuals, and provide training to DOTD Section 22 personnel in the complete operation of the system.

SYSTEM MAINTENANCE REQUIREMENTS:

Contractor shall provide maintenance and repair of all security and access control equipment including parts and labor. The security and access control system shall be tested to ensure proper functionality and integrity on a quarterly basis. Test shall be scheduled and coordinated with the DOTD Materials & Testing Laboratory representative.

Maintenance of equipment shall conform to the maintenance schedule recommended by the manufacturer. Contractor must replace all worn, failed, or intermittent malfunctioning parts. All replacement peripheral devices and parts shall be of the Agency.

Contractor shall ensure, following every service call, that all alarm system components are communicating with the control panel. The Contractor shall immediately notify Amar Raghavendra at 225-248-4217 or via email at amar.raghavendra@la.gov regarding any components that are not functioning.

SYSTEM MONITORING REQUIREMENTS:

Monitoring shall be provided on a twenty-four (24) hour, seven (7) day a week basis through a U.L. approved central monitoring station. Contractor may be required to furnish the Department a letter/certificate stating the monitoring station's U.L. approval number.

Contractor must comply with all local and State alarm ordinances.

Monitoring station/Contractor, upon intrusion, must notify the designated DOTD Material & Testing Laboratory personnel. If there is an actual break-in, the monitoring station/Contractor must notify both the designated DOTD Materials & Testing Laboratory personnel and the police.

The DOTD will not be held liable for any false alarms that occur due to equipment failure.

GENERAL CONDITIONS & CONTRACTOR QUALIFICATIONS:

Contractor shall be a factory-authorized and/or trained dealer of the system and shall be factory-trained and certified to maintain/repair the system.

QUALITY ASSURANCE:

All equipment, systems, and materials furnished and installed shall be installed in accordance with the applicable standards of:

- National Codes: NEC, NFPA, USC, BOCA, SB-CCI
- Approvals and Listings: UL, FM (CSFM, NYC-MEA, when applicable)
- State of Louisiana, City of Baton Rouge, and East Baton Rouge Parish authorities having jurisdiction