**Scope of Work:**

The Contractor shall provide all labor and materials in order to remove existing strobe obstruction light system & controllers and install a new LED dual lighting system & controller for the Louisiana Department of Public Safety (DPS)

**Site Location:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SITE NAME** | **SITE HIGHT** | **SITE ADDRESS** | **SITE GPS LOCATION** | **TOWER SUPPORT TYPE** |
| Abbeville | 500’ | 7460 Derek Rd, Maurice, La 70510 | 30 2'36.11"N / 92 5'47.61"W | Guyed |

**Site Visit-Contact Information:**

Nader Assaf

(225) 925-6036

**Specifications:**

• The Contractor shall remove existing strobes, beacons, obstruction lights and all tower light hardware from tower structure.

• The Contractor shall replace Type E-2/3DB Controller in Communication shelter, located adjacent to the tower in a location used by existing controllers. Provide all necessary electrical and grounding connections to controller.

• The Contractor shall install three LED Medium Intensity Beacons, Type L-864/865 dual Red/White FAA full kit in place of existing Strobe Lights. To include braided shield control cable interface and hardware. Preferred controller: International Tower Lighting - ILS-3600-0IR

**Specify Tower Controller Bidding**: \_\_\_\_\_\_\_\_\_\_\_\_\_

• All tower light control cables shall be securely fastened to cable trays and tower structure with proper secure cable ties by the Contractor.

• The Contractor shall replace existing photocell Sensor fixture with new NEMA twist lock plug type fixture, if applicable.

• All Strobes / Beacons, Obstruction lights and controller unit shall be properly grounded to R56 standards by the Contractor.

• All alarm outputs are to be reconnected to the Department of Public Safety’s alarm controller.

* Tower lights in night mode=DI#4 normal open
* Tower light summary alarm=DI#5 normal open

• All exterior electrical connections are to be properly sealed and weather proof.

**International Tower Lighting, Model ILS-3600-OIR Dual Red/White System specifications:**

Standards: ETL Certified AC150/5345-43J,

Type L-865(L)/L-864(L)

Temperature: -40°C to +55°C

Humidity: Less than 95%, non-condensing

Day Intensity: 20,000 ±25% effective candelas

Night Intensity: 2,000 ±25% effective candelas, Red

264 mW/sr (min), 800-900nm, Infrared

Beam Pattern: 360º Horizontal, ≥3º Vertical

Flash Rate: 40FPM Day, 40FPM White Night, 20 or 30FPM Red Night.

Side Lights: 0 to 4 Type L-810(L) LED, steady burning or flashing.

Flash Head: Height: 14.7” (37.4cm), Diameter: 13” (33cm), 33lbs (15Kg)

Power Supply: 23.63” (60.0cm) x 16.57” (42cm) x 9.76” (24.8cm), 40lbs (18.1Kg)

Suppression: 70 Joule, 275V, Input Power, PEC, Side Lights

45 Joule, 275V, All Dry-Contact Alarms

Input Power: 120 or 240

Vac, 50/60 Hz

Day: 95W

White Night: 35W

White/IR Night: 40W

Red Night: 25W

Red/IR Night: 50

**General Terms and Conditions:**

• The Contractor shall perform on-site inspection of tower prior to bidding.

• The Contractor shall provide working tower lights during installation of new system.

• The Contractor shall provide photos of all light fixture interior wiring prior to completion.

• All work shall be performed in accordance with FCC/FAA regulations.

• Bid quotes to include all mileage, transportation, and services performed within contract.

• The obstruction light system shall meet or exceed the features and specifications of International Tower Lighting, Model ILS-3600-OIR Dual LED Lighting system, including 5 year warranty. Dry contacts shall be available for: White Alarm. Red Alarm, Photocell Alarm, Day/Night Mode and Power Failure Alarm.

• All materials removed from tower and building shall be disposed of by DPS personnel.

• All work performed (itemized check lists), and service shall be documented and conveyed to DPS for record-keeping by the Contractor.

• Work identified outside of agreement shall be reported to the State for subsequent action by the Contractor.