**Scope of Work:**

Contractor shall provide all labor and materials in order to remove and replace strobes, beacons, obstruction lights, controllers, and tower light hardware for the Jeanerette Tower Lighting System.

**Location:**

2500 Patoutville Rd.

Patoutville, La 70544

**Specifications:**

* Contractor shall be responsible for removal and disposal of existing strobes, beacons, obstruction lights, controllers and tower light hardware from tower structure.
* The old tower light controller is currently located outside of the tower site building on an H-frame.
* Contractor shall install a new LED dual lighting system & controller. New controller shall be an International Tower Lighting - ILS-3600-0IR or equal.

**Specify brand/model of lighting system and controller bidding: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Contractor is to replace the existing Type E-2/3DB Controller located on the H-frame. The new controller shall be placed in the same location that is being used by the existing controller. Contractor shall provide all necessary electrical and grounding connections for the new controller.
* Contractor shall install three LED medium intensity beacons, Type L-864/865 dual red/white FAA full kit or equal, in place of existing strobe lights. Installation shall include braided shield control cable interface and hardware.

**Specify brand/model/type of LED beacons bidding: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* All tower light control cables shall be securely fastened to cable trays and tower structure with proper secure cable ties.
* Contractor shall replace existing photocell sensor fixture with a new National Electrical Manufacturers Association (NEMA) twist lock plug type fixture.
* All strobes / beacons, obstruction lights and controller units shall be properly grounded to the R56 standards and guidelines for communication sites.
* All alarm outputs shall be reconnected to the alarm controller and set in the manner below:
	+ Tower lights in night mode=Digital Input (DI) slot #4 (normal open)
	+ Tower light summary alarm=Digital Input (DI) slot #5 (normal close)
* All exterior electrical connections shall be properly sealed and weather proofed.