

## City of Clemson RFB: Ashley Dearing Park LED Lighting Project

City of Clemson Parks & Recreation Department is requesting bids from interested parties for the demolition of an existing baseball lighting system and installation of a new LED lighting system. The baseball field is located at Ashley Dearing Park, 1020 Berkeley Drive, Clemson, SC 29631. Contact Director Jay Bennett @ 864-624-1122 or [jbennett@cityofclemson.org](mailto:jbennett@cityofclemson.org) for a site survey.

**BID DEADLINE:** Wednesday, August 28, 2019 at 2:00 pm  
**MARK ENVELOPES:** Ashley Dearing Park LED Lighting Project

**DELIVER TO:** City of Clemson Parks & Recreation Dept.  
102 Nettles Park Rd Clemson SC 29631

**BID OPENING:** Bids will be opened and read aloud on Wednesday, August 28<sup>th</sup> at 2:00 pm  
at Clemson City Hall, 1250 Tiger Boulevard, Suite 1.

**RFB DETAILS AND BID REQUIREMENTS:** The City has evaluated various factors regarding whether to relight the field with metal halide or LED. It has concluded LED will best meet the future recreational needs of the City. It has evaluated various sports lighting products in the market and have concluded a LED remote driver type system is also needed. Include with the bid list of (3) sports lighting references. Minimum requirements of bids shall include.

1. Bids shall include costs to demolish and dispose of the old softball lighting system.
2. The subject softball field is a 250ft radius with 70ft baselines.
3. Bids shall include the turnkey labor, material, equipment, permitting and other type costs to install a new LED 50/30FC remote driver lighting system with the driver enclosure mounted approximate 10ft above grade. Integral driver type LED systems are not permitted. Taxes should be included in the total bid cost.
4. Include with the bid a photometric layout of the installation meeting IESNA RP 6-15 (Sports and Rec Lighting). The design should assume a minimum outfield uniformity of 2.0, 2.5 for the infield and a LLF of 0.95. Bids will not be accepted for connected LED loads that are greater than 33.0 KW.
5. The softball field shall be lighted using only four poles because wetlands and utility R/W's will not allow outfield poles. Infield poles to be 60ft mounting height with 70ft mounting height for first and third baseline poles. Poles designs to meet AASHTO EPA wind loads for Clemson SC.
6. Poles offered in the bid can be galvanized direct burial steel, concrete anchor base steel, spun concrete or a combination of a pole using a concrete base and galvanized steel shaft.
7. Electrical and construction work to meet NEC and other applicable codes typically required for sports lighting.

8. Offerer to include in its bid the costs to upgrade an existing single phase panel at the field or costs to obtain new 3-phase service from Duke Energy. All panels installed to be a commercial grade with bolt in sub breakers.
9. Lightning surge and transient protection for the LED lighting system shall include (as a minimum) a 200KA SPD located at the electrical panel and a SPD of a minimum 50KA located at each remote LED driver enclosure. All SPD's to be 4-wire protection device.
10. Bid shall include a wireless control system to minimally cut on and off the field and allow scheduling of the field's future operation. The bid to also include a manual key switch override located at the panel itself.
11. Fixtures featuring PC (polycarbonate) lens covers or UV resistant PC material is not allowed due to long term sunlight damage to the PC and resultant reduced lighting and color changes for sports field play. Use of non-UV susceptible material such as silicone, PMMA, etc for UV exposed optics and other LED components is accepted.
12. All bids to include a (10) years parts and labor warranty.
13. Bidders are permitted to include a rock and/or watered hole type clause to insure if such occurs the owner and contractor will be able to negotiate such an owner added cost to complete the installation.