

**August 21, 2018**  
**BOARD OF COUNTY COMMISSIONERS**  
**ORANGE COUNTY, FLORIDA**  
**Addendum No. 1, IFB Y18-790-JS**  
**BARNETT PARK SITE LIGHTING**

**Bid Opening Date: August 30, 2018**

This addendum is hereby incorporated into the bid documents of the project referenced above. The following items are clarifications, corrections, additions, deletions and/or revisions to, and shall take precedence over, the original documents. Underlining indicates additions, deletions are indicated by ~~strikethrough~~.

**A. The bid opening date remains August 30, 2018 at 2:00 P.M.**

**B. Additions, Revisions, Deletions, Clarifications, Questions and Answers:**

- 1. Question:** It appears that in the written specification on page 3, section 2.3 (Structural Parameters) we are limited to 1 fixture per pole (2.8 EPA). The existing fixture (see attached sheet, page 6) have a 3.1 EPA and a weight of 75lbs. The design we had submitted, in order to meet IES standards for both light levels (30fc) and uniformities, was for 2 x 400w fixtures per pole. The Musco fixtures have an EPA of 1.8 and weigh 40lbs.

**Answer:** Two (2) light fixtures per pole are required for the tennis courts sports lighting. See attached revised construction specification section 265668, page 3, with changes to section 2.3.

**C. ACKNOWLEDGEMENT OF ADDENDA**

- a. The Bidder/Proposer shall acknowledge receipt of this addendum by completing the applicable section in the solicitation or by completion of the acknowledgement information on the addendum. Either form of acknowledgement must be completed and returned not later than the date and time for receipt of the bid or proposal.
- b. All other terms and conditions of the IFB remain the same.
- c. **Receipt acknowledged by:**

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date Signed

\_\_\_\_\_  
Title

\_\_\_\_\_  
Name of Firm

1. Manufacturer will remote all drivers and supporting electrical equipment in aluminum enclosures mounted approximately 10 feet above grade. The enclosures shall be touch-safe and include drivers and fusing with indicator lights on fuses to notify when a fuse is to be replaced for each luminaire. Disconnect per circuit for each pole structure will be in the enclosure. Integral driver fixtures will not be accepted.
2. Manufacturer shall provide surge protection at the pole equal to or greater than 40kA for each line to ground (Common Mode) as recommended by IEEE C62.41.2\_2002.
3. Wire harness complete with an abrasion protection sleeve, strain relief and plug-in connections for fast, trouble-free installation.
4. All luminaires, visors, and cross-arm assemblies shall withstand 150 mph winds and maintain luminaire aiming alignment.

E. Safety: All system components shall be UL listed for the appropriate application.

## 2.2 ELECTRICAL

A. Electric Power Requirements for the Sports Lighting Equipment:

1. Electric power: 240 Volt, 1 Phase

B. Energy Consumption: The Max kW consumption for the field lighting system shall be 3.2kW.

## 2.3 STRUCTURAL PARAMETERS

A. Fixture loading cannot be more than 2 fixtures per pole. (1.8 EPA per fixture)

## PART 3 – EXECUTION

### 3.1 FIELD QUALITY CONTROL

A. Laser aiming is required - This can be accomplished two ways

1. Fixtures shall be individually laser aimed for quality control.

B. Illumination Measurements: Upon substantial completion of the project and in the presence of the Contractor, Project Engineer, Owner's Representative, and Manufacturer's Representative, illumination measurements shall be taken and verified. The illumination measurements shall be conducted in accordance with IESNA LM-5-04.

### 3.4 WARRANTY AND GUARANTEE

A. 10-Year Warranty: Each manufacturer shall supply a signed warranty covering the entire system for 10 years from the date of shipment. Warranty shall guarantee specified light levels. Manufacturer shall maintain specifically-funded financial reserves to assure fulfillment of the warranty for the full term. Warranty does not cover weather conditions events such as