

Date: February 23, 2024  
To: Charlotte County

Project: Carmalita Park  
Punta Gorda, FL

### Quotation Price – Materials Delivered to Job Site and Installation

#### Baseball / Softball Fields 1 – 2 & 4 - 5

..... **\$999,800.00 Includes Bonding**

*Sales tax and permit fees are not included.*

*Pricing furnished is effective for 60 days unless otherwise noted and is considered confidential.*

#### Pricing Per RFP 18/19-2

Field Description	Quantity	Pricing Per Clay County	Extended Price
(Section I A) Baseball Field – 300' Radius– 50 / 30 Footcandles – SportCluster – 60' Bases	2	\$134,300.00	\$268,600.00
(Section II A) Wind Speed Adder – 150MPH	1	20%	\$53,720.00
(Section I A) Baseball Field – 250' Radius– 50 / 30 Footcandles –Light Structure – 60' Bases	2	\$205,500.00	\$411,000.00
(Section II A) Wind Speed Adder – 150MPH	1	20%	\$82,200.00
(Section III A) Pole Installation – 70'	5	\$5,300.00	\$26,500.00
(Section III G) Installation of Fixtures on Existing Poles	20	\$6,000.00	\$120,000.00
(Section IV B ) Cooper Conductors	3,000	\$11.50	\$34,500.00
(Section IV C b) Installation of Contactor Cabinet	2	\$8,650.00	\$17,300.00
(Section IV D 1) Lightning Protection	25	\$1,200.00	\$30,000.00
(Section IV E 1) Pole Grounding	25	\$900.00	\$22,500.00
(Section V A) Electrical Engineering	1	\$6,600.00	\$6,600.00
(Section V 1) Structural Engineering	1	\$1,350.00	\$1,350.00
(Section V D) Bonding	1	\$20,000.00	\$20,000.00
(Section V F) Project Management	1	\$6,000.00	\$6,000.00
<b>Deduct / Design Parameters / Labor</b>			<b>\$100,470.00</b>
<b>Total</b>			<b>\$999,800.00</b>



### ***TLC for LED™ technology***

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#### **Guaranteed Lighting Performance**

- Guaranteed light levels of 50fc on the infield and 30fc on the outfield
- BallTracker® technology – targeted light, optimizing visibility of the ball in play with no glare in the players typical line-of-sight
- UL Listed assemblies

#### **System Description**

- Factory wired poletop luminaire assemblies
- Factory aimed and assembled luminaires, including BallTracker® luminaires
- Factory wired and tested remote electrical component enclosures
- Pole length, factory assembled wire harnesses
- Mounting hardware for poletop luminaire assemblies and electrical components enclosures
- Disconnects
- UL Listed assemblies
- Galvanized steel poles
- Pre-cast concrete bases with integrated lightning grounding
- Enhanced corrosion protection

#### **Environmental Light Control**

- Spill light minimized
- Off-site glare light minimized

#### **Control Systems and Services**

- Control-Link® control and monitoring system to provide remote on/off and dimming (high/medium/low) control and performance monitoring with 24/7 customer support

#### **Operation and Warranty Services**

- Product assurance and warranty program that covers materials and onsite labor, eliminating 100% of your maintenance costs for 10 years
- Support from Musco's Lighting Services Team – over 170 Team members dedicated to operating and maintaining your lighting system – plus a network of 1800+ contractors

### ***Installation Services Provided***

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#### **Customer Responsibilities:**



1. Complete access to the site for construction using standard 2-wheel drive rubber tire equipment.
2. Locate existing underground utilities not covered by your local utilities. (i.e. water lines, electrical lines, irrigation systems, and sprinkler heads). Musco or Subcontractor will not be responsible for repairs to unmarked utilities.
3. Locate and mark field reference points per Musco supplied layout. (i.e. home plate, center of FB field).
4. Ensure existing poles are structurally adequate to handle new fixture loading.
5. Ensure usability of existing underground wiring.
6. Pay any necessary power company fees and requirements.
7. Pay all permitting fees.
8. Provide any existing as-built documents or drawings.
9. Provide sealed Electrical Plans. (If required)

### **Musco Responsibilities:**

1. Provide required fixtures, poles, electrical enclosures, mounts, hardware, wire harnesses, and control cabinets.
2. Provide fixture layout and aiming diagram.
3. Provide Project Management as required.
4. Assist our installing subcontractor and ensure our responsibilities are satisfied.

### **Musco Subcontractor Responsibilities**

#### **General:**

1. Obtain any required permitting.
2. Contact local utilities for locating public utilities and confirm they have been clearly marked.
3. Contact the facility owner/manager to confirm the existing private underground utilities and irrigation systems have been located and are clearly marked to avoid damage from construction equipment. Repair any such damage during construction.
4. Provide labor, equipment, and materials to off load equipment at jobsite per scheduled delivery.
5. Provide storage containers for material, (including electrical components enclosures), as needed.
6. Provide necessary waste disposal and daily cleanup.
7. Provide security to protect Musco products from theft, vandalism, or damage during the installation.
8. Keep all heavy equipment off playing fields when possible. Repair damage to grounds which exceeds that which would be expected. Indentations caused by heavy equipment traveling over dry ground would be an example of expected damage. Ruts and sod damage caused by equipment traveling over wet grounds would be an example of damage requiring repair.
9. Provide startup and aiming as required to provide complete and operating sports lighting system.
10. Installation to commence upon delivery and proceed without interruption until complete. Musco to be immediately notified of any breaks in schedule or delays.

#### **Demolition:**

1. Remove and dispose of the existing fixtures, and electrical enclosures. This will include the recycling of lamps, aluminum reflectors, ballast, and steel, as necessary.
2. Leave existing ground wires and power feed in place for connection to new lighting equipment.

#### **Retrofit Musco Equipment to Existing Poles:**

1. Provide labor, materials, and equipment to assemble and install Musco TLC for LED® equipment on 6 existing poles and terminate grounding and power feed. Power feed may need to be reworked to adapt to the new Musco



equipment.

2. Ensure grounding components meet minimum standards required by NEC and NFPA780.
3. Provide new ground rod and pole bonding conductor per NFPA Annex A.1.6.
4. Down conductor shall be converted to copper wire for any underground runs and bonded to ground rod(s).
5. Ensure all Musco components are bonded to both equipment and lightning grounds. No upward sweeps allowed for lightning down conductor or bonding jumper(s). See installation instructions for further information.
6. Test ground resistance with 3-point megger and confirm 25 ohms or less for each pole. Install additional ground rods or create grounding grid until resistance of 25 ohms or less is achieved.

### **Foundations, Poles and Fixtures:**

1. Mark and confirm pole locations per the aiming drawing provided. If there are any issues, immediately notify your Musco Project Manager.
2. Provide materials and equipment to install LSS foundations as specified on Layout and per the stamped foundation drawings, if applicable.
3. Remove spoils to owner designated location at jobsite.
4. Provide materials and equipment to assemble Musco TLC-LED fixtures, electrical enclosures, poles and pole harnesses.
5. Provide equipment and materials to erect dressed LSS poles and aim utilizing the pole alignment beam.
6. Provide equipment and materials to erect dressed base plate poles and aim utilizing the pole alignment beam.

### **Electrical:**

1. Provide materials, and equipment to reuse existing electrical service panels as required.
2. Provide materials, and equipment to reuse existing electrical wiring as permitted. – Existing Poles
3. Provide materials and equipment to install all underground conduit, wiring, pull boxes, etc. and terminate wiring as required – New Poles.
4. Provide as built drawings on completion of installation, **(if required)**.

### **Control System:**

1. Provide labor, equipment, and materials to terminate all necessary wiring for new controls cabinet.
2. Check all zones to make sure they work in both auto and manual mode.
3. Commission Control-Link® by contacting Control-Link Central™ at 877-347-3319.

## ***Payment Terms***

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Net 30 days for materials and progressive payments for labor.



### ***Delivery Timing***

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12 - 14 weeks for delivery of materials to the job site from the time of order, submittal approval, and confirmation of order details including voltage, phase, and pole locations.

Due to the built-in custom light control per luminaire, pole locations need to be confirmed prior to production. Changes to pole locations after the product is sent to production could result in additional charges.

### ***Notes***

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Quote is based on:

- Shipment of entire project together to one location.
- Owner is responsible for getting electrical power to the site, coordination with the utility, and any power company fees.
- Product assurance and warranty program is contingent upon site review and compatibility with Musco's lighting system

Thank you for considering Musco for your lighting needs. Please contact me with any questions or if you need additional details.



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