

Date: January 18, 2018  
To: City of North Port

Project: Butler Park  
North Port, Florida

Pricing Per Clay County RFP 13/14-08

## Quotation Price – Materials and Turnkey Installation

**Multipurpose Field #3 - ..... \$ 205,000.00 + Sales Tax**

*Sales tax and permit fees are not included.*

*Pricing furnished is effective for 90 days unless otherwise noted and is considered confidential.*

## Light-Structure System with Total Light Control – TLC for LED™ technology

### Guaranteed Light Levels

- Guaranteed light levels to meet plans and spec requirements.

### System Description

- Pre-cast concrete bases with integrated lightning grounding
- Galvanized steel poles
- Factory wired and tested remote electrical component enclosures
- Pole length, factory assembled wire harnesses
- Factory wired poletop luminaire assemblies
- Factory aimed and assembled luminaries
- UL Listed as a complete system

### Control Systems and Services

- Control-Link® System for remote on/off 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 25 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

## Payment Terms

Musco's Credit Department will provide payment terms.

## Delivery Timing

6 - 8 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

Quote is based on:

- Shipment of entire project together to one location
- 480 Volt, 3 Phase electrical system requirement
- Structural code and wind speed = 2014 FBC, 150 MPH, Importance Factor C.
- Owner is responsible for getting electrical power to the site, coordination with the utility, and any power company fees
- Standard soil conditions – rock, bottomless, wet or unsuitable soil may require additional engineering, special installation methods and additional cost
- Confirmation of pole locations prior to production



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Field Description	Quantity	Pricing Per Clay County	Extended Price
(Sect I) Soccer 360' x 210'	1	\$105,800.00	\$105,800.00
(Sect II A) Soccer – Increase wind zone (5% per 10mph) - 150 MPH	1	10%	\$10,580.00
(Sect II D) Additional Lights for Ball Tracking	8	\$3,000.00	\$24,000.00
(Sect II A) Increased wind zone (5% per 10mph) - 150 MPH	1	10%	\$2,400.00
(Sect II H) Adder for additional spill and glare	4	\$3,500.00	\$14,000.00
(Sect III A) Pole Installation - 70' Pole	4	\$4,600.00	\$18,400.00
(Sect III B) Pole Installation - Increased Wind Zone Adder	1	10%	\$1,840.00
(Sect IV C b) Contactor Cabinet Installation	1	\$7,500.00	\$7,500.00
(Sect IV D 1) Lightning Protection	4	\$1,050.00	\$4,200.00
(Sect IV D 2) Lightning Protection	1	\$8,600.00	\$8,600.00
(Sect IV E) Pole Grounding 70' Pole and below	4	\$750.00	\$3,000.00
(Sect V B2) Structural Drawings	1	\$1,150.00	\$1,150.00
(Sect V D) Bonding	1	\$3,570.00	\$3,570.00
(Sect V F) Project Management	1	\$5,750.00	\$5,750.00
<b>Deducts: Design Parameters</b>			<b>-\$5,790.00</b>
<b>Total</b>			<b>\$205,000.00</b>

**Installation Services Provided****Owner / Owner's Electrical Contractor Responsibilities:**

- 1) Provide total access to the site and pole locations for construction. Equipment must be able to move from location to location on standard rubber tires – no towing required.
- 2) Remove any trees, limbs, shrubs, etc. for total access to pole locations.
- 3) Removal, replacement, and repair of all fencing necessary for construction.
- 4) Repair and replacement of any field turf, asphalt, curbs, and/or concrete inadvertently damaged during installation.
- 5) Locate and mark existing irrigation systems prior to excavation.
- 6) Provide soil boring report.
- 7) Additional charges will apply for foundation excavation and construction in non-standard soils (rock, caliche, high water table, collapsing holes, alluvial soils, etc.). Standard soils are defined as Class 5 soils in the 2014 edition of the Florida Building Code and can be excavated using standard earth auguring equipment.
- 8) Pay for any and all permitting fees.
- 9) Provide a source of water such as a fire hydrant or 2" water line for foundation excavation. Pay for any and all fees associated with the water access and usage.
- 10) Designate onsite location for deposit of excavated soils.
- 11) Electrical design and electrical installation including conduit/ wire to a pull box within 5' of the pole.
- 12) Additional pole grounding required or specified other than Musco's recommended pole grounding. This will include more than one ground rod per pole, longer ground rods, and different ground rod and wire sizing.



### **Musco Responsibilities / Musco Subcontractor Responsibilities**

- 1) Provide required poles, fixtures, foundations, and associated designs.
- 2) Provide structural design for poles and foundations, certified by a professional engineer licensed in the State of Florida.
- 3) Provide layout of pole locations and aiming diagram.
- 4) Provide light test upon completion of work.
- 5) Survey in pole locations and aiming points (one per field) for sighting in lighting cross – arms. Final grade elevations will also need to be marked if necessary.
- 6) Provide Project Management assistance as needed.
- 7) Provide review of electrical design as provided by Electrical Contractor or Electrical Engineer.
- 8) Provide equipment and materials to off load equipment at jobsite per scheduled delivery.
- 9) Off load Musco supplied Controls and Monitoring Cabinet(s). Inform Musco and/or Owner/Installer of its location on day of scheduled delivery.
- 10) Provide adequate trash container for cardboard waste and packing debris.
- 11) Provide storage containers for material, including electrical enclosures.
- 12) Provide adequate security to protect Musco delivered products from theft, vandalism or damage during the installation.
- 13) Make appropriate contact to ensure utility locations have been marked prior to excavation and trenching. Repair any damage made to existing utilities during construction.
- 14) Remove augured spoils to owner-designated location at jobsite.
- 15) Provide materials and equipment to install Light Structure System foundations as specified on layout.
- 16) Installation of Musco supplied Controls and Monitoring Cabinet(s).
- 17) Provide electrical materials and labor to pull conduit / wire from the existing pull box to the driver box.
- 18) Provide materials and equipment to assemble and install TLC-LED fixtures and terminate all necessary wiring.
- 19) Provide equipment and materials to assemble and erect Light Structure System poles.
- 20) Verify aiming points have been located and are correct before sighting in lighting cross-arms.
- 21) Keep all heavy equipment off of playing fields and surfaces whenever possible. Use due care to minimize damages when playing surface access is required.
- 22) Conduct system startup and additional aiming as required to provide a complete and operating sports lighting system.
- 23) Customer's Contractor will commission Control Link by contacting Control Link Central once the entire system is energized.

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



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