

Warfield Park – Fort Lauderdale, FL
To: City of Fort Lauderdale – June 20, 2017

NATIONAL JOINT POWERS ALLIANCE - NJPA
Master Project: 170558, **Contract Number:** 082114-msl,
Expiration: 09/16/2018 (*Renewable annually*)

Category: Facility & MRO, **Sub-Category:** Athletic Field / Court and Parking Lot Lighting Systems

Quotation Price – Materials and Turnkey Installation

Musco's Light-Structure TLC LED as described below, and delivered to the job site:

(2) Basketball Courts, Playground Lighting, & Multipurpose Field- (LED Light Source)

..... \$ 225,000.00

- Includes Bonding

Sales tax and permit fees are not included.

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

Equipment Description

Light-Structure TLC LED in 5 Easy Pieces™ – complete from foundation to poletop

- Pre-cast concrete bases
- Galvanized steel poles
- Remote electrical component enclosures
- Pole length wire harnesses
- Factory-aimed and assembled luminaries

Control System

- Control-Link® System for remote on/off control and performance monitoring with 24/7 customer support

Benefits of Light-Structure Green™

- Reduction of energy and maintenance costs by 50% to 85% over typical 1500w HID equipment
- Reduction of spill light and glare by 50% or more
- Guaranteed light levels for Multipurpose Field & Basketball Courts
- Unmatched product assurance and warranty program that includes materials and onsite labor, eliminating 100% of your maintenance costs for 25 years

Payment Terms

Net 30 days.

Late payment will be subject to service charges of 1½% per month (18% APR).

Email or fax a copy of the Purchase Order to Musco Sports Lighting:

Musco Sports Lighting, LLC
Attn: Ryan Tighe
Fax: 800-374-6402
E-mail: musco.contracts@musco.com

All purchase orders should note the following:

National Joint Powers Alliance-NJPA purchase - Contract Number: 082114-MSL

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Exhibit 3
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Pricing Per NJPA

Field Description	Quantity	Pricing Per NJPA	Extended Price
Soccer Field - 330' by 200	1	\$113,988.00	\$113,988.00
2 Basketball Courts	1	\$46,239.00	\$46,239.00
Removal of Existing Concrete Pole	6	\$875.00	\$5,250.00
New Service	1	7,500.00	7,500.00
Basketball Court Lighting - Trench, Conduit, and Wire	1	\$9,000.00	\$9,000.00
Multipurpose Field Lighting - Trench, Conduit, and Wire	1	\$21,000.00	\$21,000.00
Pole Installation - Basketball Courts	2	\$4,000.00	\$8,000.00
Pole installation - Multipurpose Field	4	\$4,500.00	\$18,000.00
Deducts: Design Parameters			\$3,977.00
Total			\$225,000.00

Delivery to the job site from the time of order, submittal approval, and confirmation of order details including voltage and phase, pole locations is approximately 30-45 days. 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
- 240 Volt, 1 Phase electrical system requirement
- Structural code and wind speed = 2014 FBC, 170 MPH, Importance Factor EXP C.
- Owner is responsible for getting electrical power to the site, coordination with the utility, and any power company fees
- Supply and installation of Musco system including underground wiring and conduit, service entrance panel board, and controls by a licensed electrical contractor.
- Confirmation of pole locations prior to production
- Electrical plans completed by Calvin Giordano and Associates



Scope of work includes:

Owner 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. 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.
3. Remove any trees, limbs, shrubs, etc. for total access to pole locations.
4. Removal, replacement, and repair of all fencing necessary for construction.
5. Repair and replacement of any field turf, asphalt, curbs, and concrete inadvertently damaged during installation.
6. Provide area on site for disposal of spoils from foundation excavation.
7. Locate and mark existing underground utilities not covered by “One Call” and irrigation systems including sprinkler heads prior to excavation. Musco or Subcontractor will not be responsible for repairs to unmarked utilities.
8. Pay for any power company fees and requirements. **(If necessary).**
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. Pay for any and all permitting fees.

Musco 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 works once owner supplied electrical system is energized.
5. Provide Project Management assistance as needed.
6. Provide review of electrical design as provided by Electrical Contractor or Electrical Engineer.

Musco's Subcontractor Responsibilities:

1. Provide equipment and materials to off load equipment at jobsite per scheduled delivery.
2. Provide storage containers for material, including ballast enclosures.
3. Provide adequate trash container for cardboard waste and packing debris.
4. Provide adequate security to protect Musco delivered products from theft, vandalism or damage during the installation.
5. Obtain any and all required permits. Contact Musco PRIOR to attaining permits to arrange for payment.
6. Provide materials and equipment to install electrical service panels as required or necessary. This needs to be defined in the electrical design.
7. Provide materials and equipment to install all underground conduit, wiring, pull boxes, switchgear, etc. and terminate wiring as required per electrical design.
8. Make appropriate contact to ensure utility locations have been marked prior to excavation and trenching. Repair any damage to existing utilities made during construction.
9. Provide materials and equipment to install (6) Light Structure System foundations as specified on Layout.
10. Remove augured spoils to owner-designated location at jobsite.
11. Provide materials and equipment to assemble and install Light Structure LED™ fixtures and terminate all necessary wiring.
12. Provide equipment and materials to assemble and erect (6) Light Structure System Poles.
13. Verify aiming points have been located and are correct before sighting in lighting cross-arms.
14. Provide equipment and materials to install the new Controls and Monitoring Cabinet(s) and terminate all necessary wiring. Subcontractor to commission Control Link once system is energized.

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Exhibit 3

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15. Keep all heavy equipment off of playing fields and surfaces whenever possible. Use due care to minimize damages when playing surface access is required.
16. Conduct system startup and additional aiming as required to provide a complete and operating sports lighting system.

Thank you for considering Musco for your sports lighting needs. Please contact me with any questions.



Jason Frucht
Sales Representative
Musco Sports Lighting, LLC
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E-mail: Jason.Frucht@Musco.com

