

Huizenga Plaza - Fort Lauderdale, FL
To: City of Fort Lauderdale - September 15, 2017

NATIONAL JOINT POWERS ALLIANCE - NJPA
Master Project: 170558, **Contract Number:** 082114-msl, **Expiration:** 09/16/2018
Category: Facility & MRO, **Sub-Category:** Athletic Area / Court and Parking Lot Lighting Systems

Quotation Price – Materials and Turnkey Installation

Plaza (2) pole design \$79,500 +Tax

*Sales tax, bonding, and permit fees are not included.
Pricing furnished is effective for 60 days unless otherwise noted and is considered confidential.*

Three pole design -- Light-Structure System with Total Light Control – TLC for LED™ technology

System Description: Equipment for 3 New Locations

- Pre-cast concrete bases with integrated lightning grounding
- 50' Galvanized steel poles
- Factory wired and tested remote electrical component enclosures
- Pole length, factory assembled wire harnesses
- Factory wired poletop luminaire assemblies
- TLC-LED-1150 Factory aimed and assembled luminaries
- UL Listed as a complete system

Control Systems

- Onsite push button controls for On/Off and High/Med/Low dimming

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

Payment Terms

Musco's Credit Department will provide payment terms.

All purchase orders should note the following:

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

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.



Pricing Per NJPA

Field Description	Quantity	Pricing Per NJPA	Extended Price
Soccer Field - 330' by 200' - 30 Footcandles Pricing Per NJPA	1	\$175,390.00	\$175,390.00
Deduct - 20 Footcandle Equivalent	1	\$58,475.00	\$58,463.00
Deduct - Multipurpose Field - 240' by 200'	1	\$63,827.00	\$63,827.00
Adder: Wind Speed & Corrosion - 40%	1	\$21,240.00	\$21,240.00
New Service	1	7,500.00	7,500.00
Trench, Conduit, and Wire	1	\$14,500.00	\$14,500.00
Pole Installation	2	\$4,000.00	\$8,000.00
Deducts: Design Parameters / Pole Heights			\$24,840.00
Total			\$79,500.00

Installation Services Provided

Experienced project manager on site during crucial periods of installation

Scope of work includes:

Owner Responsibilities:

- 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.
- Remove any trees, limbs, shrubs, etc. for total access to pole locations
- Removal, replacement, and repair of all fencing necessary for construction
- Repair and replacement of any area turf, asphalt, curbs, and concrete inadvertently damaged during installation
- Provide area on site for disposal of spoils from foundation excavation
- 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.
- Pay for any power company fees and requirements (If necessary)
- 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.
- 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
- Pay for any and all permitting fees

Musco Responsibilities:

- Provide required poles, fixtures, foundations, and associated designs
- Provide structural design for poles and foundations, certified by a professional engineer licensed in the State of Florida
- Provide layout of pole locations and aiming diagram
- Provide light test upon completion of works once owner supplied electrical system is energized
- Provide Project Management assistance as needed
- Provide review of electrical design as provided by Electrical Contractor or Electrical Engineer
- Survey in pole locations and aiming points (one per area) for sighting in lighting cross-arms. Final grade elevations will also need to be marked if necessary.



Musco's Subcontractor Responsibilities:

- Provide equipment and materials to off load equipment at jobsite per scheduled delivery
- Provide storage containers for material, including ballast enclosures
- Provide adequate trash container for cardboard waste and packing debris
- Provide adequate security to protect Musco delivered products from theft, vandalism or damage during the installation
- Obtain any and all required permits. Contact Musco PRIOR to attaining permits to arrange for payment
- Provide materials and equipment to install electrical service panels as required or necessary. This needs to be defined in the electrical design.
- Provide materials and equipment to install all underground conduit, wiring, pull boxes, switchgear, etc. and terminate wiring as required per electrical design
- Make appropriate contact to ensure utility locations have been marked prior to excavation and trenching. Repair any damage to existing utilities made during construction
- Provide materials and equipment to install (2) Light Structure System foundations as specified on Layout
- Remove augured spoils to owner-designated location at jobsite
- Provide materials and equipment to assemble and install Light Structure LED™ fixtures and terminate all necessary wiring
- Provide equipment and materials to assemble and erect (2) Light Structure System poles
- Verify aiming points have been located and are correct before sighting in lighting cross-arms
- Provide equipment and materials to install the new push button control cabinet and terminate all necessary wiring
- Keep all heavy equipment off of playing area and surfaces whenever possible. Use due care to minimize damages when playing surface access is required.
- Conduct system startup and additional aiming as required to provide a complete and operating sports lighting system

NOTES:

Quote is based on:

- Shipment of entire project together to one location
- Musco design number 187814A, dated 8/28/17
- Structural code and wind speed = FBC 2014 HVHZ-STD, 170 MPH
- Owner is responsible for getting electrical power to the site, coordination with the utility, and any power company fees
- Includes supply and installation of Musco system including underground wiring and conduit, service entrance panel board, and controls by a licensed contractor
- 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

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



Lewis Gilbert
Musco Lighting
www.musco.com
US Mobile: (954) 629-9235
Email: lewis.gilbert@musco.com

