

Date: May 1, 2024
To: City of Pompano Beach

Project: Pompano Community Park
Pompano Beach, FL

Clay County RFP 18/19-2

Quotation Price – Materials Delivered to Job Site and Fixture / Controls Installation – Existing Poles

(4) Softball Fields

\$615,000.00 Includes Bonding

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

Field Description	Quantity	Pricing Per Clay County	Extended Price
(Section I) Baseball – 60' Base Path – 300' Radius 50/30 Footcandles	4	\$134,300.00	\$537,200.00
(Section III G) Installation of Fixtures on Existing Poles	16	\$6,000.00	\$96,000.00
(Section IV C b) Installation of Contactor Cabinet	1	\$8,650.00	\$8,650.00
(Section IV D 1) Lightning Protection	24	\$1,200.00	\$28,800.00
(Section IV E 1) Pole Grounding – 70' or below	16	\$900.00	\$14,400.00
(Section V D) Bonding	1	\$14,000.00	\$14,000.00
(Section V F) Project Management	1	\$6,000.00	\$6,000.00
Deduct / Design Parameters / Labor			\$90,050.00
Total			\$615,000.00

Sales tax and permitting fees are not included.

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

Pricing is not limited to Clay County but is extended to the City of Pompano Beach.

SportsCluster™ System with Total Light Control – TLC for LED® technology

Guaranteed Lighting Performance

- Guaranteed light levels of 50 footcandles infield, 30 footcandles outfield and uniformity of 2.0:1.0 infield, 2.5:1.0 outfield
- BallTracker™ technology – targeted light, optimizing visibility of the ball in play with no glare in the players typical line-of-sight

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

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

- Reduction of energy and maintenance costs by 40% to 85% over typical 1500W metal halide equipment
- 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

City of Pompano Beach's Responsibilities:

1. Complete access to the site for construction using standard 2 wheel drive rubber tire equipment.
2. Locate existing underground 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 home plate for each field.
4. Payment of any power company fees and requirements.
5. Payment all permitting fees. Contractor will obtain the required permitting.
6. Provide any existing as-built documents or drawings.
7. Provide access to existing electrical service panel(s) to be reused to power the new lighting system.

Musco / Musco Subcontractor Responsibilities:

General:

1. Provide required mounts, fixtures, electrical enclosures, pole harnesses, and control cabinets.
2. Provide layout of pole locations and aiming diagram.
3. Provide Project Management assistance as needed.
4. Provide performance and payment bonds in an amount equal to the total amount of bid.
5. Provide equipment and materials to off load equipment at jobsite per scheduled delivery.
6. Provide storage containers for material and waste disposal.
7. Provide security to protect Musco product from theft, vandalism or damage during the installation.
8. Obtain any required permitting.
9. Confirm the existing underground utilities and irrigation systems have been located and are clearly marked so as to avoid damage from construction equipment. Repair any damage made during construction.
10. Keep all heavy equipment off of 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.
11. Provide startup and aiming as required to provide complete and operating sports lighting system.

Demolition:

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



Retrofit Musco Equipment to Existing Poles:

1. Provide materials and equipment to assemble and install Musco TLC-LED equipment on existing poles and terminate grounding and power feed. Power feed may need to be reworked to adapt to the new Musco equipment.
2. Install new lightning grounding electrode at each pole. Ground rods to be minimum 5/8"x20' with a 20' embedment. Exothermic fusion to be used for all below grade bonding.
3. Install new lightning grounding conductor from pole top to grounding electrode. Bond conductor to each crossarm assembly and driver enclosure hanger bracket. Pole heights of 75' and below require a #2 bare stranded copper OR 1/0 bare stranded aluminum ground wire. Poles heights 76' and above require 2/0 stranded copper OR 4/0 bare stranded aluminum ground wire.

Electrical:

1. Existing electrical service panel(s) will be reused.

Lighting Control System:

1. Provide equipment and materials to install Lighting Contactor Cabinet(s) and terminate all necessary wiring.
2. Check all Zones to make sure they work in both auto and manual mode.
3. Contractor will commission Control Link by contacting Control Link Central at (877-347-3319).

Payment Terms

Net 30 days for materials and progressive payments for labor.

Delivery Timing

8 - 12 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.
- Existing Volt, Existing Phase electrical system requirement.
- Owner is responsible for getting electrical power to the site, coordination with the utility, and any power company fees.
- Confirmation of pole locations prior to production.
- Product assurance and warranty program is contingent upon site review and compatibility with Musco's lighting system
- The owner of the field is responsible for the structural integrity of the existing poles.

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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