

Date: May 9, 2024
To: City of Margate

Project: Andrews Field at Margate Middle School
Margate, FL

Sourcewell

Master Project: 199030, Contract Number: 041123-MSL, Expiration: 06/16/2027

Category: Sports lighting with related supplies and services

All purchase orders should note the following:

Sourcewell Purchase – Contract Number: 041123-MSL

Quotation Price – Materials Delivered to Job Site & Installation

Baseball & Soccer Field Lighting – Prevailing Wages Included

.....**\$420,000.00**

Sales tax, permitting fees, prevailing wages, and bonding are not included.

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

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

Guaranteed Lighting Performance

- Guaranteed light levels and uniformity
- 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

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 usability of existing underground wiring.
5. Pay any necessary power company fees and requirements.
6. Pay all permitting fees.
7. Provide any existing as-built documents or drawings.

Musco Responsibilities:

1. Provide required fixtures, 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 offload 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 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.

Electrical:

1. Provide materials and equipment to reuse existing service panels as required.
2. Provide materials and equipment to reuse existing wiring as permitted.
3. Provide as built drawings on completion of installation, **(if required)**.

Control System:

1. Provide labor, equipment, and materials to install new Musco control and monitoring cabinet(s) and terminate all necessary wiring.
2. Provide a dedicated 120 V 20 A controls circuit or a step-down transformer for 120 V control circuit if not available.
3. Check all zones to make sure they work in both auto and manual mode.
4. Commission Control-Link® by contacting Control-Link Central™ at 877-347-3319.



Quote

Payment Terms

Net 30 days for materials and progressive payments for labor.

Delivery Timing

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

Quote is based on:

- Shipment of entire project together to one location.
- Structural code and wind speed = 2020 FBC HVHZ, 170 mi/h, Exposure C, Importance Factor II.
- 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.

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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