

**Project: Northrup Park Adult Softball
Boerne, TX
Musco Project Number: 129212
Date: January 29, 2025
Expiration Date: March 1, 2025**

BuyBoard
Master Project: 218434, **Contract Number:** 677-22, **Expiration:** 09/30/2025
Commodity: Parks and Sports Field Lighting Products and Installation Services

**All purchase orders should note the following:
BuyBoard Purchase – Contract Number: 677-22**

Quotation Price – Materials Delivered to Job Site and Installation

Softball Field Lighting (Field 11) -\$280,255.00

Additional Contingency - \$14,012.00

*** Additional contingency of \$14,012.00 (5%) to allocate towards any possible geotechnical, drilling or electrical circumstances not covered by quote. Notification will be made to the city before proceeding with any possible contingency work. ***

Quote is confidential. Pricing and lead times are effective for 30 days only. Prices are subject to change if the order is not released within 60 days from the date of the purchase. Sales tax is not included.

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

Guaranteed Lighting Performance

- Guaranteed light levels of 50 foot-candles infield and 30 foot-candles outfield. Guaranteed uniformities of 2:1 infield and 2.5:1 outfield.
- BallTracker® technology – targeted light, optimizing visibility of the ball in play with no glare in the players typical line-of-sight

System Description

- 38 - Factory aimed and assembled luminaries, including BallTracker® luminaires
- 6 - Galvanized steel poles
- 6 - Pre-cast concrete bases with integrated lightning grounding
- Pole length factory assembled wire harnesses
- Factory wired and tested remote electrical component enclosures
- UL listed assemblies
- Corrosion protection

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

- Product assurance and warranty program that covers materials and onsite labor, eliminating 100% of your maintenance costs for 25 years



Musco Scope

- Provide design and layout for lighting system
- Test and final aim equipment

Installation Services Provided

- See scope of work attached

Responsibilities of Buyer

- Confirm pole or luminaire locations, supply voltage and phase required for lighting system prior to production
- Provide electrical design and materials for electrical distribution system
- Buyer is responsible for getting electrical power to the site, coordination with the utility, and any power company fees

Payment Terms

Final payment terms are subject to approval by Musco credit department. Final payment shall not be withheld by Buyer on account of delays beyond the control of Musco.

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

Musco Sports Lighting, LLC
Attn: Musco Contracts
Fax: 800-734-6402
Email: musco.contracts@musco.com

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Delivery Timing

8 - 10 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/luminaire locations.

Notes

Quote is based on following conditions:

- Shipment of entire project together to one location.
- 480 Volt, 3 phase electrical system requirement.
- Structural code and wind speed = 2018 IBC, 115 mi/h, Exposure C, Importance Factor 1.0.
- Due to the built-in custom light control per luminaire, pole or luminaire locations need to be confirmed prior to production. Changes to pole or luminaire locations after the product is sent to production could result in additional charges.
- Standard soil conditions – rock, bottomless, wet, or unsuitable soil may require additional engineering, special installation methods and additional cost.

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

Brant Troutman
Texas Sales Executive
Musco Sports Lighting, LLC
100 1st Avenue West – PO Box 808
Oskaloosa, IA 52577, USA
Phone: 512-914-9500
E-mail: brant.troutman@musco.com

Northrup Park Adult Softball
Boerne, TX
Turnkey Scope of Work

Customer Responsibilities:

1. Complete access to the site for construction utilizing 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. Pay for extra costs associated with foundation excavation in non-standard soils (rock, caliche, high water table, collapsing holes, etc.) or soils not defined in geo-technical report. Standard soils are defined as soils that can be excavated using standard earth auguring equipment.
5. Pay any power company fees and requirements.
6. Pay all permitting fees and obtain the required electrical permitting.
7. Provide area on site for disposal of spoils from foundation excavation.
8. Provide area on site for dumpsters.
9. Provide sealed Electrical Plans (if required).

Musco Responsibilities:

1. Provide required foundations, poles, electrical enclosures, luminaires, wire harnesses, and control cabinets.
2. Provide layout of pole locations and aiming diagram.
3. Provide Project Management as required.
4. Provide stamped foundation designs based on soil parameters as outlined in the geotechnical report or soils that meet or exceed those of a Class 5 material as defined by 2018 IBC Table 1806.2.
5. Assist our installing subcontractor and ensure our responsibilities are satisfied.

Subcontractor Responsibilities

General:

1. Obtain any required permitting.
2. Contact 811 for locating underground public utilities and then 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. Notify owner and repair damage to marked utilities. Notify owner and Musco regarding damage which occurred to unmarked utilities.
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 adequate security to protect Musco delivered products from theft, vandalism or damage during the installation.
8. Keep all heavy equipment off the 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. Notify Musco immediately of any breaks in schedule or delays.

Foundations, Poles, and Luminaires:

1. Mark and confirm pole locations per the aiming diagram provided. If there are any issues, immediately notify your Musco Project Manager.
2. Provide labor, materials, and equipment to install six (6) LSS foundations as specified on Layout and per the stamped foundation drawings, if applicable.
3. Remove spoils to owner designated location at jobsite.
4. Provide labor, materials, and equipment to assemble Musco TLC-LED luminaires, electrical component enclosures, poles, and pole harnesses.
5. Provide labor, equipment, and materials to erect six (6) dressed LSS Poles and aim utilizing the pole alignment beam.

Electrical:

1. Provide labor, materials, and equipment to install new electrical service panels as required.
2. Provide labor, materials, and equipment to install all underground conduit, wiring, pull boxes etc. and terminate wiring as required.
3. Complete electrical installation per Musco Control System Summary and Musco Best Practices: Supply Wiring Installation document. If there are any discrepancies between Musco documents and electrical plans (if present), notify your Musco contact.
4. Complete required insulation resistance (Megger) tests on all current-carrying conductors per ANSI/NETA ATS-2021. Use the instructions and forms provided by Musco to provide test results to your Musco contact. Note conduits must be full of water prior to testing. Any conductors with resistance values less than (<) 100MOhms — phase to ground — must be repaired or replaced to meet the standard.
5. Underground splices are strongly discouraged. If underground splicing is required per the electrical plans, use only listed connector systems, rated for wet locations.
6. Provide as-built drawings upon completion of installation (if required).

Control-Link® Control and Monitoring:

1. Provide labor, equipment, and materials to install one (1) 24" x 48" Musco control and monitoring cabinet 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.

CODE OF CONDUCT

In order to maintain a high-quality jobsite and installation, Subcontractor represents to Musco that it has the supervision necessary to, and shall train, manage, supervise, monitor, and inspect the activities of its employees for the purpose of enforcing compliance with these safety requirements. Subcontractor acknowledges that Musco does not undertake any duty toward Subcontractor's employees to train, manage, supervise, monitor, and inspect their work activities for the purpose of enforcing compliance with these safety requirements, but Subcontractor agrees to abide by any reasonable recommendations made by Musco or Musco representatives with respect to safety.

Subcontractor agrees that it is or will be familiar with and shall abide by the safety rules and regulations of Musco and the Owner, including, but not limited to the Occupational Safety and Health Act of 1970 (OSHA), all rules and regulations established pursuant thereto, and all amendments and supplements thereto.

Subcontractor further agrees to require all its employees, subcontractors, and suppliers to comply with these requirements. Subcontractor shall also observe and comply with all laws with respect to environmental protection applicable to the Project.

Subcontractor shall require all its subcontractors, employees, visitors, suppliers, and agents under its direction to comply with the following:

1. GENERAL JOBSITE SAFETY AND CLEANLINESS.
 - a. Subcontractor's employees and agents shall be required to wear appropriate personal protective equipment including, but not limited to, safety glasses with side shields, work shoes, fall protection devices, and hard hats.
 - b. Where a walking or working surface has an unprotected side or edge which is six feet or more above a lower level, Subcontractor shall use guardrail systems, safety net systems, or personal fall arrest systems.
 - c. Jobsite shall be kept free of debris including, but not limited to, cardboard and packing materials which can become windborne.
 - d. Construction equipment shall be parked during non-use in an orderly fashion so as not to create inconvenience to others using the jobsite.
 - e. Subcontractor shall provide for and ensure the use of safety equipment for the Project in accordance with Musco's and Owner's safety requirements, to the extent these may be stricter than federal, state, or local standards, or generally recognized industry applicable standards.
 - f. Subcontractor shall provide the Musco project manager with an "Emergency List" showing Subcontractor's designated medical doctor, hospital, insurance company, and any other health service providers, such list to be updated within 24 hours of any change in the information provided.
 - g. Within eight (8) hours from the time of an accident (or such shorter period as laws may require), Subcontractor shall advise Musco of any accident resulting in injury to any person or damage to any equipment or facility. Upon request, Subcontractor shall promptly furnish Musco with a written report of any such accident as well as a copy of all insurance and worker's compensation claims involving the Project.
 - h. Subcontractor shall maintain and inspect all construction equipment, including cranes and other lifting equipment, prior to each use. Subcontractor warrants that all equipment operators shall be qualified for each piece of construction equipment they intend to operate. Documentation of specific training is the responsibility of the Subcontractor.

Quote

- i. Jobsite shall be policed daily for compliance to the above conditions.
 - j. Subcontractor's employees and agents are prohibited from using drugs and alcohol on the Project property or being under the influence of alcohol or drugs while performing work on the Project. Anyone observed participating in or observed under the influence will be removed from the Project immediately and prohibited from returning, with no exceptions.
2. CONFORMANCE TO STANDARD MUSCO INSTALLATION GUIDELINES.
- a. Review and understand installation instructions are provided with every product installation.
 - b. Education of installation personnel to allow for highest efficiency and lowest possibility of failure.
 - c. Verify that components have been assembled per Musco installation instructions.
 - d. Verify plumb of concrete foundations prior to standing of poles.
3. PROVIDING A QUALITY INSTALLATION TEAM.
- a. Subcontractor's work directly reflects the quality of the installation and may indirectly relate to the quality of the product upon which Musco's reputation is built.
 - b. Provide and maintain quality installation equipment. Records of maintenance and/or calibration shall be provided upon request.
 - c. Personnel shall be knowledgeable in operation of equipment as well as installation of Musco product.
 - d. All personnel provided by Subcontractor shall understand the relationship developed by and between Subcontractor and Musco, also by and between Musco and the customer, and act accordingly.