

Date: February 16, 2024,
Expiration date: March 18, 2024,

Project: Rowan County High School Football
Morehead, Kentucky
Ref: 233899

Quotation Price – Materials Delivered to Job Site and Installation

Lighting

Football Field – 360' x 160' \$ 498,643.00

Sales tax and bonding are not included.

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.

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

Guaranteed Lighting Performance

- Guaranteed light levels of 50fc and uniformity of 2.0:1.
- BallTracker® technology – targeted light, optimizing visibility of the ball in play with no glare in the players typical line-of-sight.

System Description

- (48) Total Light Control™ TLC-LED-1500 factory-aimed and assembled luminaires
- (8) Total Light Control™ TLC-BT-575 BallTracker® factory-aimed and assembled luminaires
- (1) Total Light Control™ TLC-LED-550 factory-aimed and assembled luminaires
- (4) Total Light Control™ TLC-RGBW factory-aimed and assembled luminaires
- (4) Total Light Control™ TLC-RGB-U pole colour accent factory-aimed and assembled luminaires
- (4) Galvanized steel poles (70' F1-F2, 80' F3-F4)
- (4) 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.

Show-Light® Special Effects with Control-Link® Control and Monitoring System

- Control and monitoring cabinet.
- (1) communication cabinets
- (1) touchscreen for onsite control of theatrical effects
- 6 pre-programmed theatrical lighting effects applied to facility lighting design.
- 4 minutes of light show programming set to customer supplied and licensed music.
- Remote on/off control
- Onsite dimming (high/med/low/blackout)
- 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.
- 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.



Musco Scope

- Provide design and layout for lighting system.

Installation Services Provided

[See attached scope of work]

Responsibilities of Buyer

- Owner 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.

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/luminaire locations.

Notes

Quote is based on following conditions:

- Shipment of entire project together to one location.
- 240 Volt, 1 phase electrical system requirement.
- Structural code and wind speed = 2015 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.

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

Curt Mickey
Sales Representative
Musco Sports Lighting, LLC
100 1st Avenue West – PO Box 808
Oskaloosa, IA 52577, USA
Phone: 502-418-6804
E-mail: curt.mickey@musco.com



**Rowan County High School Football
Morehead, Kentucky
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 Contract Management as required.
4. Provide stamped foundation designs based on 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 your local udig 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 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.



Demolition:

1. Remove and dispose of the existing lighting poles, fixtures, and electrical enclosures. This will include the recycling of lamps, aluminum reflectors, ballast, and steel, as necessary.
2. Demolish existing foundations to 2 ft (0.6 m) below grade.
3. Leave existing power feed in place for connection to new pole locations.
4. Stockpile spoils on site as directed.

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 (4) 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 (4) dressed LSS Poles and aim utilizing the pole alignment beam.

Electrical:

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

Show-Light® Special Effects

1. Provide labor, equipment, and materials to install (1) 48" Musco control and monitoring cabinet, (1) communication 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. Provide 24 AWG twisted wire pair cable. Recommended Belden 7937A or equal. Cable should be underground rated (working distance 1500 ft (457 m)). ***Assumes raceway is intact and passable from scoreboard to home side bleachers. At base of bleachers, install inground box and excavate no more than 30' to steel bleacher support & 1" conduit from box to press box.***
4. Cable is terminated on surge protection device in both communication cabinet and control and monitoring cabinet. Drain wire is landed at surge device on control and monitoring cabinet. Communication cabinet requires earth ground.
5. Plug ethernet cable into port on the side of communication cabinet and bottom of touch screen (working distance 300 ft (91 m)).
6. Connect provided touch screen power supply. Requires 120 V outlet.
7. Provide audio cable ⅜ in (3.5 mm) plug from customer audio system to communication cabinet (land on Cueserver, must be within 50 ft (15 m)).
8. Land customer provided DMX cable in control and monitoring cabinet on DMX512 input terminals.
9. Check all zones to make sure they work in both auto and manual mode.
10. Commission Control-Link® by contacting Control-Link Central™ at 877-347-3319.

