



Wellfield Park Soccer Field
Venice, FL
Date: January 6, 2016
To: City of Venice

Quotation Price - Turnkey Installation and Materials

Musco's Light Structure LED™ as described above and delivered to the job site

.....**\$259,500 + Sales Tax.**

- Musco Constant 10™ warranty and maintenance program that eliminates 100% of your maintenance costs for 10 years, including labor and materials

Equipment Description

Light-Structure LED™ System delivered to your site in Five Easy Pieces™

- Pre-cast concrete bases
- Galvanized steel poles
- UL Listed remote electrical component enclosure
- Pole length wire harness
- Factory-aimed and assembled luminaires

Also Includes:

- Energy savings of more than 50% over a standard lighting system
- 50% less spill and glare light than Musco's prior industry leading technology
- Guaranteed constant light level of 30 FC for 10 years
- Control Link® Control & Monitoring System for flexible control and solid management of your lighting system
- Lighting Contactors sized for existing Voltage / Phase

Pricing furnished is effective for 60 days unless otherwise noted and is considered confidential.

Payment Terms

The contract balance is due no later than 30 days after invoice date.

Musco will attempt to coordinate shipment so that delivery corresponds with the customer's payment schedule. We will expect payment within the terms described above unless there is a written statement from Musco's corporate headquarters stating the acceptance of different terms.

- **Delivery to the job site from the time of order, submittal approval, and confirmation of order details including voltage and phase, pole locations is approximately 30-45 days. 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.**

Sports Lighting Contract - Clay County - RFP# 13/14-8

Field Description	Quantity	Unit Price	Extended Price
(Sect II-D) Purchase of Sports Lighting & Security Lighting	44	\$3,000.00	\$132,000.00
(Sect II-A) 160 MPH Wind Speed Adder – 15%	1	\$19,800.00	\$19,800.00
(Sect III-A) Pole Installation- 70'	4	\$4,600.00	\$18,400.00
(Sect III-B) Pole Installation Adder - 15%	1	\$2,760.00	\$2,760.00
(Sect IV-A) Option A 200 Amp Service	1	\$11,000.00	\$11,000.00
(Sect IV-B1A) Wiring from Panel to Contactors	5	90.00	\$450.00
(Sect IV-B3c) Copper Conductors	1	3000'	\$30,400.00
(Sect IV-B3a) Copper Conductors	1	3000'	\$17,200.00
(Sect IV-B4) Pull Boxes	4	\$500.00	\$2,000.00
(Sect IV-Ca) Installation of Contactor Cabinet	1	\$5,000.00	\$5,000.00
(Sect IV-D1) Lightning Protection	4	\$1,050.00	\$4,200.00
(Sect IV-E1) Pole Grounding	4	\$750.00	\$3,000.00
(Sect V A 1) Electrical Engineering - 200 Amp Service	1	\$5,750.00	\$5,750.00
(Sect V-B2) Structural Engineering	1	\$2,875.00	\$2,875.00
(Sect V-F) Project Management	1	\$5,750.00	\$5,750.00
Deducts: Design Parameters			-\$1,085.00
Total			\$259,500.00

Sales tax, permit fees, and bonding of the equipment are not included as part of this quote.

Notes

Estimate is based on:

- Shipment of entire project together to one location
- Soccer Field - 360' by 210'
- Structural code and wind speed = 2014 FBC, 160 MPH EXP C
- Confirmation of pole locations prior to production
- Receptacle for the (1) pole location

Scope of work includes:

Owner Responsibilities:

1. 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.
2. Remove any trees, limbs, shrubs, etc. for total access to pole locations.
3. Removal, replacement, and repair of all fencing necessary for construction.
4. Repair and replacement of any field turf, asphalt, curbs, and concrete inadvertently damaged during installation.
5. Provide soil boring report.
6. 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.
7. Provide area on site for disposal of spoils from foundation excavation.
8. 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.
9. 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.
10. Pay for any power company fees and requirements. **(If necessary).**

11. Pay for any and all permitting fees.

Musco Responsibilities / Musco's Subcontractor Responsibilities:

1. Provide required poles, fixtures, foundations, and associated designs.
2. Provide structural design for poles and foundations, certified by a professional engineer licensed in the State of Florida.
3. Provide layout of pole locations and aiming diagram.
4. Provide light test upon completion of works once owner supplied electrical system is energized.
5. Provide Project Management assistance as needed.
6. Provide review of electrical design as provided by Electrical Contractor or Electrical Engineer.
7. Survey in pole locations and aiming points (one per field) for sighting in lighting cross-arms. Final grade elevations will also need to be marked if necessary.
8. Provide equipment and materials to off load equipment at jobsite per scheduled delivery.
9. Provide storage containers for material, including ballast enclosures.
10. Provide adequate trash container for cardboard waste and packing debris.
11. Provide adequate security to protect Musco delivered products from theft, vandalism or damage during the installation.
12. Obtain any and all required permits. Contact Musco PRIOR to attaining permits to arrange for payment.
13. Provide electrical design by Electrical Engineer as required. Also provide any as-built drawings as required following the completion of the project.
14. Provide materials and equipment to install 480V electrical service panels as required or necessary. This needs to be defined in the electrical design.
15. Provide materials and equipment to install all underground conduit, wiring, pull boxes, switchgear, etc. and terminate wiring as required per electrical design.
16. Make appropriate contact to ensure utility locations have been marked prior to excavation and trenching. Repair any damage to existing utilities made during construction.
17. Provide materials and equipment to install (4) Light Structure System foundations as specified on Layout.
18. Remove augured spoils to owner-designated location at jobsite.
19. Provide materials and equipment to assemble and install Musco Lighting fixtures and terminate all necessary wiring.
20. Provide equipment and materials to assemble and erect (4) Light Structure System Poles.
21. Verify aiming points have been located and are correct before sighting in lighting cross-arms.
22. Provide equipment and materials to install the new Controls and Monitoring Cabinet(s) and terminate all necessary wiring. Subcontractor to commission Control Link once system is energized.
23. Keep all heavy equipment off of playing fields and surfaces whenever possible. Use due care to minimize damages when playing surface access is required.
24. Conduct system startup and additional aiming as required to provide a complete and operating sports lighting system.

Thank you for considering Musco for your sports-lighting needs. Please contact me with any questions.



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