

Quote

Villegas Park Soccer LED Retrofit – Riverside, California

To: Randy Solis
City of Riverside
June 27, 2019

Sourcewell (Formerly NJPA)

Master Project: 170558, Contract Number: 082114-msl, Expiration: 09/16/2019
Category: Facility & MRO, Sub-Category: Athletic Field / Court and Parking Lot Lighting Systems

Quote – Turnkey Retrofit including Installation Services for Soccer

Musco's SportsCluster® system as described below, and delivered to the job site:

Soccer Field – (24) Soccer Field LED Light Fixtures with NEW Control Link: \$156,800.00

Breakdown of Project Costs:

LED Soccer Field Light Fixtures, LED Security Lights, Control Link: \$123,542.00

Installation Services per Scope of Work – see pages 2-3. Pricing

Per RS Means less 5%: \$32,200.00

Bonding: \$1,058.00

Estimated Sales Tax 8.75% (on total amount of \$156,800.00) \$13,720.00

Total Project Cost: \$170,520.00

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

**If the four existing light poles are properly grounded, please deduct - \$1,250.00 from the project cost.*

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

System Description – SportsCluster System – Soccer Retrofit Equipment – 30 footcandles. Soccer Field Size is 340' x 220'.

- (4) factory wired poletop luminaire assemblies
- (24) TLC – 1200w factory aimed and assembled luminaries.
- 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 as a system
- Utilizing four existing 60' light poles- City of Riverside
- Product assurance and warranty program that includes materials and onsite labor, eliminating 100% of your maintenance costs for 10 years
- (6) OSQ 130w LED Security Light Fixtures (replace the existing pole mounted security fixtures)
 - (2) QSQ Security Fixtures Mounted to Light Poles S1 with custom bracket.
 - (2) QSQ Security Fixtures Mounted to Light Poles S2 utilizing existing tenon mount.
 - (1) QSQ Security Fixtures Mounted to Light Poles S3 utilizing existing tenon mount.
 - (1) QSQ Security Fixtures Mounted to Light Poles S4 with custom bracket.
 - **Confirm 4" Hub Weldment can be welded on Cell Tower Light Pole S4.**

LIGHTING CONTROL SOCCER – New Musco Control and Monitoring Cabinet (CMC) 24" x 72" at Electrical Distribution Location. See Installation Scope update on page 3.

The new Musco CMC includes 10 years of Communication Fees for the Control Link Service.



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*Construction Note #1- some of the existing HPS Security light fixtures were not working during our site meeting at the park on 2/11/19. Trouble shooting these security fixtures are not included in this scope of work. *Confirmed at site meeting- March 11, 2019, security fixture operation will be confirmed by Riverside City.

Installation Services

Owner Responsibilities:

- 1) Total access to the site and pole locations for construction. Must be able to move from location to location on standard rubber tires.
- 2) Removal of any trees, limbs, shrubs, etc. for total access to pole locations. *Per the site visit, trees should be trimmed reduce shadows on SE Corner, and West Center of the Soccer field.
- 3) Removal, replacement, and repair of all fencing necessary for construction.
- 4) Repair and replacement of any field turf, asphalt, curbs, and concrete damage. Potential damages resulting from necessary construction to be discussed prior to work commencing on site.
- 5) Locate and mark existing irrigation systems necessary for construction. Costs from underground lines not located will be the Owner's responsibility.
- 6) Cost of permitting, if required. Permit requests, coordination by the city of Riverside.
- 7) Power company fees, if required.
- 8) Utilizing existing power distribution, and circuitry. It would be advised to confirm all light poles, and security fixtures are operational.
- 9) *Discuss and Coordinate retrofitting the existing Cell Tower. We may need assistance with the carrier to determine installation timing and access. Per site meeting, 3/11/19, the city of Riverside will have to coordinate work completed on the Cell Tower. We are proposing to weld a 4" hub at ~ 10' to mount the Musco ECE.
- 10) **Per site meeting, 3/11/19, Musco is to provide a New Musco Control and Monitoring Cabinet with 10 years of communication fees for the Soccer, and Multipurpose lighting area.**
- 11) Per site meeting, 4/4/19- the City of Riverside will provide chain link fencing around the electrical gear.

Musco Responsibilities:

- 1) Provide Project Management and assistance as needed.
- 2) Provide layout of pole locations, aiming diagram, and associated designs.
- 3) Provide pole inspection for Musco warranty as necessary and survey of existing poles for height, size, and location.
- 4) Provide required Musco TLC LED lighting equipment.
- 5) Provide light test under owner supplied lighting system.
- 6) Project Bonding included.

Subcontractor Responsibilities- See Items:

- 1) Provide equipment and materials to off load equipment at jobsite per scheduled delivery.
- 2) Keep all heavy equipment off of playing fields and surfaces when possible. Subcontractor to use due care in minimizing damages to existing site.
- 3) Remove and dispose of the existing Soccer field light fixtures (340' x 220'), and wiring harnesses. This will include the recycling of lamps, aluminum reflectors, ballast and steel as necessary.
- 4) Leave the existing grounding conductors and power feed in place for reattachment to the new Musco TLC LED product. Conduct a site survey to confirm existing circuiting, and existing light zones for playfields. Grounding should be evaluated prior to project start. *See project deduct if current pole grounding is per code.*
- 5) Provide adequate trash container for cardboard waste and packing debris.
- 6) Provide storage containers for material as necessary.
- 7) Owner to pay cost of permits. Subcontractor to advise Musco of costs to subcontractor, if any, before proceeding with permitting.
- 8) Install Musco electrical enclosures, wiring harnesses and new fixtures on (4) existing poles and terminate power feed.
- 9) Provide materials and equipment to install, and terminate wiring to (24 Fixtures for Soccer)



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- 10) Provide startup and aiming as required to provide complete and operating sports lighting system.
- 11) Provide payment of prevailing wages and certified payroll as required.
- 12) Add 1x Security Fixture to light poles S1 and S4. Install per existing circuits, and Mount New Musco 2p Bracket. Coordinate with Cell tower on S4.
- 13) Demo Existing Control Link Unit, and provide to City of Riverside if necessary.
- 14) Re-route wire from existing Control Link Unit to New Musco CMC (soccer and security fixtures). Re-wire Bollard/parking circuit that has external conduit installed through back of electrical gear enclosure when new concrete pad is being poured.
- 15) Install new Musco CMC
- 16) Add (1) New Enclosure Cabinet around new Musco CMC. *Per site meeting 4/4/19, the City of Riverside will add necessary chain link fencing around transformer, and distribution area as necessary.
- 17) Add 48" Extended Concrete Pad to match existing elevation around new Musco CMC, and the existing Transformer.
- 18) Review and confirm that the existing four soccer light poles are properly grounded.

Cooperative Purchase Agreement

All purchase orders should note the following:

Sourcewell (Formerly NJPA) purchase – Contract Number: 082114-MSL

Notes

Estimate is based on:

- Shipment of entire project together to one location
- 240 Volt, 3 phase electrical system requirement- Panel MSB (sheet 1 RWR Pascoe), Panel MSA (Dream Engineering Sheet E5.0)- We need to confirm electrical at the soccer field.
- Structural code and wind speed = 2016 CBC, 110 MPH, Importance Factor 1.0. Musco will provide a comparative analysis for the soccer field.
- Coordination of installation of the light fixtures to the existing cell tower will be required. The Cell Tower operator will have to be notified.
- The owner of the field is responsible for the structural integrity of the existing poles [Sports Cluster only]
- Pricing estimates assumes that the existing power circuits are operational.

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

Mike Higgins
Project Manager
Musco Sports Lighting, LLC Phone: 714-614-0863
E-mail: mike.higgins@musco.com

Project # 193387

