



City Council Meeting - Final

October 07, 2024
7:00 PM

B. ATH2024-159

Authorization to award Musco Sports Lighting, LLC (100 1st Avenue West – PO Box 808, Oskaloosa, IA, 52577) the Sports Field Lighting project in the amount of \$1,285,986.00, to be paid from FY22 SPLOST per Sourcwell Cooperative Contract #041123-MS and authorize the Mayor to sign and execute all related documents.



City of Smyrna

Issue Sheet

A Max Bacon
City Hall
2800 King Street
Smyrna, GA 30080

File Number: ATH2024-159

Agenda Date: 10/7/2024

In Control: City Council

File Type: General ID

Agenda Section:

Formal Business

Department: Parks and Recreation

Agenda Title:

Authorization to award Musco Sports Lighting, LLC (100 1st Avenue West – PO Box 808, Oskaloosa, IA, 52577) the Sports Field Lighting project in the amount of \$1,285,986.00, to be paid from FY22 SPLOST per Sourcewell Cooperative Contract #041123-MSLand authorize the Mayor to sign and execute all related documents.

Citywide

ISSUE AND BACKGROUND:

Parks & Recreation has allocated SPLOST funds to upgrade sports field lighting at several parks including, Brinkley, Cobb, Jonquil, River Line and Ward Parks. The scope of work includes design, layout, installation, and testing of the SportsCluster system with Total Light Control (LED). The pricing is from Musco Sports Lighting, LLC per Sourcewell Cooperative Contract #041123-MSL. The project total is \$1,285,986.00.

RECOMMENDATION / REQUESTED ACTION:

Parks and Rec and Finance recommend authorization to award Musco Sports Lighting, LLC (100 1st Avenue West – PO Box 808, Oskaloosa, IA, 52577) the Sports Field Lighting project in the amount of \$1,285,986.00, to be paid from FY22 SPLOST per Sourcewell Cooperative Contract #041123-MSLand authorize the Mayor to sign and execute all related documents.

CITY OF SMYRNA
PURCHASING DEPARTMENT
2800 KING STREET
SMYRNA, GEORGIA 30080
678-631-5406

TO: Richard Garland, Assistant City Administrator / Director - Parks and Recreation

FROM: Kelly Brown, Purchasing Manager

DATE: September 25, 2024

SUBJECT: **Recommendation – 25-016 Sports Field Lighting**

The Parks & Recreation department has allocated SPLOST funds to upgrade sports field lighting at Brinkley, Cobb, Jonquil, River Line, and Ward Parks. The scope of work includes design, layout, installation, and testing of the SportsCluster system with Total Light Control (LED). The pricing is from Musco Sports Lighting, LLC per Sourcewell cooperative contract # 041123-MSL.

<i>Park</i>	<i>Total Cost</i>
Brinkley Park	\$462,279.00
Cobb Park	\$170,885.00
Jonquil Park	\$229,087.00
River Line Park	\$185,135.00
Ward Park	\$238,550.00
TOTAL	\$1,285,936.00

It is the recommendation of Parks & Recreation and Purchasing that the Sports Field Lighting project be awarded to Musco Sports Lighting, LLC in the amount of \$1,285,936.00. Please prepare any necessary paperwork to present to Mayor and Council for approval.

Musco Sports Lighting, LLC
100 1st Avenue West – PO Box 808
Oskaloosa, IA 52577

Quote

Date: 9/26/2024

Project: City of Smyrna Recreation Fields
Smyrna, GA

To: Richard Garland

Musco Project Number: 186429, 186431, 186442, 234513, 234514

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 and Installation

Brinkley Park	\$462,279.00
Cobb Park	\$170,885.00
Jonquil Park (Phase 2).....	\$229,087.00
River Line Park (Phase 2)	\$185,135.00
Ward Park	\$238,550.00
Total	\$1,285,936.00

Bonding is included. See individual quotes for field dimensions and light levels.

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

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

Guaranteed Lighting Performance

- Guaranteed light levels per designs
- BallTracker® technology – targeted light, optimizing visibility of the ball in play with no glare in the players typical line-of-sight (softball and baseball fields)

System Description

- Factory aimed and assembled luminaires, including BallTracker® luminaires
- Pole length factory assembled wire harnesses
- Factory wired and tested remote electrical component enclosures
- Mounting hardware for poletop luminaire assemblies and electrical components enclosures
- Disconnects
- 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 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



Musco Scope

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

Installation Services Provided

[See attached scope of work]

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
- The owner of the field is responsible for the structural integrity of the existing poles and/or structures

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

All Purchase orders should note the following:

Sourcewell Purchase – Contract Number: 041123-MSL

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.
- Voltage and phase system requirements to be confirmed.
- Structural code and wind speed = 2018 IBC, 115 mi/h, Exposure C.
- 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.

Josiah Smith
Georgia Sales Representative
Musco Sports Lighting, LLC
100 1st Avenue West – PO Box 808
Oskaloosa, IA 52577, USA
Phone: 678-428-7700
E-mail: Josiah.smith@musco.com

Quote

Date: 9/26/2024

Project: Brinkley Park Recreation Fields
Smyrna, GA

To: Richard Garland

Musco Project Number: 186429

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 and Installation

Hambrick 190'/190'/190' and Cook 125'/125'/125' -\$ 303,620.00
Bartlett 200'/200/200', Legion 152'/152'/152', and Hawkins 152'/152'/152' -\$ 158,659.00
All Fields -\$ 462,279.00

Bonding is 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.

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

Guaranteed Lighting Performance

- Guaranteed light levels of 30/20 footcandles (baseball/softball)
- BallTracker® technology – targeted light, optimizing visibility of the ball in play with no glare in the players typical line-of-sight (baseball/softball)

System Description

- Factory aimed and assembled luminaires, including BallTracker® technology (baseball/softball)
- Pole length factory assembled wire harnesses
- Factory wired and tested remote electrical component enclosures
- Mounting hardware for poletop luminaire assemblies and electrical components enclosures
- Disconnects
- UL listed assemblies
- Corrosion protection

Environmental Light Control

- Spill light minimized at 150' to 0.2 footcandles
- Off-site glare light minimized at 150' to 15000 candela

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 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

Musco Scope

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

Installation Services Provided



[See attached scope of work]

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 power company fees
- The owner of the field is responsible for the structural integrity of the existing poles and/or structures

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:

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Attn: Musco Contracts
Fax: 800-734-6402
Email: musco.contracts@musco.com

All Purchase orders should note the following:

Sourcewell Purchase – Contract Number: 041123-MSL

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.
- Voltage and phase system requirements to be confirmed.
- Structural code and wind speed = 2018 IBC, 115 mi/h, Exposure C.
- 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.

Josiah Smith
Georgia Sales Representative
Musco Sports Lighting, LLC
100 1st Avenue West – PO Box 808
Oskaloosa, IA 52577, USA
Phone: 678-428-7700
E-mail: Josiah.smith@musco.com

Brinkley Park Recreation Fields Smyrna, GA Retrofit Scope of Work

Customer Responsibilities:

1. Complete access to the site for construction using standard 2-wheel drive rubber tire equipment. Field netting will need to be taken down for lift access to infield poles.
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 existing poles are structurally adequate to handle new fixture loading.
5. Ensure usability of existing underground wiring.
6. Pay any necessary power company fees and requirements.
7. Pay all permitting fees.
8. Provide any existing as-built documents or drawings.
9. Provide sealed Electrical Plans. (If required)

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. Provide labor, equipment, and materials to off load equipment at jobsite per scheduled delivery.
2. Provide storage containers for material, (including electrical components enclosures), as needed.
3. Provide necessary waste disposal and daily clean up.
4. Provide security to protect Musco delivered products from theft, vandalism, or damage during the installation.
5. Obtain any required permitting.
6. Confirm the existing underground utilities and irrigation systems have been located and are clearly marked in order to avoid damage from construction equipment. Repair any such damage during construction.
7. Keep heavy equipment off playing fields when possible and lay matting to protect surface when poles must be accessed from field. 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.
8. Provide startup and aiming as required to provide complete and operating sports lighting system.
9. 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 lighting fixtures and electrical enclosures on 18 poles. This will include the recycling of lamps, aluminum reflectors, ballast, and steel as necessary.
2. Leave existing grounds 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.

Quote

2. Install new lightning grounding electrode at each pole. Ground rods to be minimum 5/8"x20' with a 20' embedment. Exothermic fusion to be used for all below grade bonding.
3. Install new lightning grounding conductor from pole top to grounding electrode. Bond conductor to each crossarm assembly and driver enclosure hanger bracket. Pole heights of 75' and below require a #2 bare stranded copper OR 1/0 bare stranded aluminum ground wire. Poles heights 76' and above require 2/0 stranded copper OR 4/0 bare stranded aluminum ground wire.

Electrical:

1. Provide materials, and equipment to reuse 3 existing electrical service panels as required.
2. Provide materials, and equipment to reuse existing electrical wiring as permitted.

Control System:

1. Provide labor, equipment, and materials to install 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.

Quote

Date: 9/26/2024

Project: Cobb Park Recreation Fields
Smyrna, GA

To: Richard Garland

Musco Project Number: 186431

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 and Installation

Baseball 236'/262'/241' - \$ 170,885.00

Bonding is 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.

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

Guaranteed Lighting Performance

- Guaranteed light levels of 30/20 footcandles

System Description

- Factory aimed and assembled luminaires
- Pole length factory assembled wire harnesses
- Factory wired and tested remote electrical component enclosures
- Mounting hardware for poletop luminaire assemblies and electrical components enclosures
- Disconnects
- UL listed assemblies
- Corrosion protection

Environmental Light Control

- Spill light minimized at 150' to 0.1 footcandles
- Off-site glare light minimized at 150' to 3500 candela

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 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

Musco Scope

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

Installation Services Provided

[See attached scope of work]

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 power company fees
- The owner of the field is responsible for the structural integrity of the existing poles and/or structures



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

All Purchase orders should note the following:
Sourcewell Purchase – Contract Number: 041123-MSL

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.
- Voltage and phase system requirements to be confirmed.
- Structural code and wind speed = 2018 IBC, 115 mi/h, Exposure C.
- 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.

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100 1st Avenue West – PO Box 808
Oskaloosa, IA 52577, USA
Phone: 678-428-7700
E-mail: Josiah.smith@musco.com

**Cobb Park Recreation Fields
Smyrna, GA
Retrofit Scope of Work**

Customer Responsibilities:

1. Complete access to the site for construction using standard 2-wheel drive rubber tire equipment. Vegetation near pole A2 will need to be removed.
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 existing poles are structurally adequate to handle new fixture loading.
5. Ensure usability of existing underground wiring.
6. Pay any necessary power company fees and requirements.
7. Pay all permitting fees.
8. Provide any existing as-built documents or drawings.
9. Provide sealed Electrical Plans. (If required)

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. Provide labor, equipment, and materials to off load equipment at jobsite per scheduled delivery.
2. Provide storage containers for material, (including electrical components enclosures), as needed.
3. Provide necessary waste disposal and daily clean up.
4. Provide security to protect Musco delivered products from theft, vandalism, or damage during the installation.
5. Obtain any required permitting.
6. Confirm the existing underground utilities and irrigation systems have been located and are clearly marked in order to avoid damage from construction equipment. Repair any such damage during construction.
7. Keep heavy equipment off playing fields when possible and lay matting to protect surface when poles must be accessed from field. 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.
8. Provide startup and aiming as required to provide complete and operating sports lighting system.
9. 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 lighting fixtures and electrical enclosures on 8 poles. This will include the recycling of lamps, aluminum reflectors, ballast, and steel as necessary.
2. Leave existing grounds 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. Install new lightning grounding electrode at each pole. Ground rods to be minimum 5/8"x20' with a 20' embedment. Exothermic fusion to be used for all below grade bonding.
3. Install new lightning grounding conductor from pole top to grounding electrode. Bond conductor to each crossarm assembly and driver enclosure hanger bracket. Pole heights of 75' and below require a #2 bare stranded copper OR 1/0 bare stranded aluminum ground wire. Poles heights 76' and above require 2/0 stranded copper OR 4/0 bare stranded aluminum ground wire.

Electrical:

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

Control System:

1. Provide labor, equipment, and materials to install 1 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.

Quote

Date: 9/26/2024

Project: Jonquill Park Phase 2
Smyrna, GA

To: Richard Garland

Musco Project Number: 234513

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 and Installation

Soccer 2 250' x 135'-	\$ 87,363.00
Soccer 3 165' x 120'-	\$ 70,889.00
Soccer 4 165' x 120'-	\$ 70,835.00
All Fields -	\$ 229,087.00

Bonding is 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.

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

Guaranteed Lighting Performance

- Guaranteed light levels of 30 footcandles

System Description

- Factory aimed and assembled luminaires
- Pole length factory assembled wire harnesses
- Factory wired and tested remote electrical component enclosures
- Mounting hardware for poletop luminaire assemblies and electrical components enclosures
- Disconnects
- UL listed assemblies
- Corrosion protection

Environmental Light Control

- Spill light minimized at 150' to 0.1 footcandles
- Off-site glare light minimized at 150' to 3500 candela

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 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

Musco Scope

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

Installation Services Provided

[See attached scope of work]



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 power company fees
- The owner of the field is responsible for the structural integrity of the existing poles and/or structures

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.

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Attn: Musco Contracts
Fax: 800-734-6402
Email: musco.contracts@musco.com

All Purchase orders should note the following:

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Delivery Timing

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Notes

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- 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.

Josiah Smith
Georgia Sales Representative
Musco Sports Lighting, LLC
100 1st Avenue West – PO Box 808
Oskaloosa, IA 52577, USA
Phone: 678-428-7700
E-mail: Josiah.smith@musco.com

Jonquill Park Phase 2 Smryna, GA Retrofit Scope of Work

Customer Responsibilities:

1. Complete access to the site for construction using standard 2-wheel drive rubber tire equipment. Field netting will need to be taken down for lift access to infield poles.
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 existing poles are structurally adequate to handle new fixture loading.
5. Ensure usability of existing underground wiring.
6. Pay any necessary power company fees and requirements.
7. Pay all permitting fees.
8. Provide any existing as-built documents or drawings.
9. Provide sealed Electrical Plans. (If required)

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. Provide labor, equipment, and materials to off load equipment at jobsite per scheduled delivery.
2. Provide storage containers for material, (including electrical components enclosures), as needed.
3. Provide necessary waste disposal and daily clean up.
4. Provide security to protect Musco delivered products from theft, vandalism, or damage during the installation.
5. Obtain any required permitting.
6. Confirm the existing underground utilities and irrigation systems have been located and are clearly marked in order to avoid damage from construction equipment. Repair any such damage during construction.
7. Keep heavy equipment off playing fields when possible and lay matting to protect surface when poles must be accessed from field. 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.
8. Provide startup and aiming as required to provide complete and operating sports lighting system.
9. 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 lighting fixtures and electrical enclosures on 18 poles. This will include the recycling of lamps, aluminum reflectors, ballast, and steel as necessary.
2. Leave existing grounds 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. Install new lightning grounding electrode at each pole. Ground rods to be minimum 5/8"x20' with a 20' embedment. Exothermic fusion to be used for all below grade bonding.
3. Install new lightning grounding conductor from pole top to grounding electrode. Bond conductor to each crossarm assembly and driver enclosure hanger bracket. Pole heights of 75' and below require a #2 bare stranded copper OR 1/0 bare stranded aluminum ground wire. Poles heights 76' and above require 2/0 stranded copper OR 4/0 bare stranded aluminum ground wire.

Electrical:

1. Provide materials, and equipment to reuse existing electrical service panels as required.
2. Provide materials, and equipment to reuse existing electrical wiring as permitted.

Control System:

1. Provide labor, equipment, and materials to install 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.

Quote

Date: 9/26/2024

To: Richard Garland

Project: River Line Park Phase 2
Smyrna, GA
Musco Project Number: 234514

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 and Installation

East Soccer 480' x 327'- \$ 185,135.00

Bonding is 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.

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

Guaranteed Lighting Performance

- Guaranteed light levels of 30 footcandles

System Description

- Factory aimed and assembled luminaires
- Pole length factory assembled wire harnesses
- Factory wired and tested remote electrical component enclosures
- Mounting hardware for poletop luminaire assemblies and electrical components enclosures
- Disconnects
- UL listed assemblies
- Corrosion protection

Environmental Light Control

- Spill light minimized at 150' to 0.1 footcandles
- Off-site glare light minimized at 150' to 5000 candela

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 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

Musco Scope

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

Installation Services Provided

[See attached scope of work]

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



- The owner of the field is responsible for the structural integrity of the existing poles and/or structures

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

All Purchase orders should note the following:

Sourcewell Purchase – Contract Number: 041123-MSL

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.
- Voltage and phase system requirements to be confirmed.
- Structural code and wind speed = 2018 IBC, 115 mi/h, Exposure C.
- 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.

Josiah Smith
Georgia Sales Representative
Musco Sports Lighting, LLC
100 1st Avenue West – PO Box 808
Oskaloosa, IA 52577, USA
Phone: 678-428-7700
E-mail: Josiah.smith@musco.com

River Line Park Phase 2 Smryna, GA Retrofit Scope of Work

Customer Responsibilities:

1. Complete access to the site for construction using standard 2-wheel drive rubber tire equipment. Field netting will need to be taken down for lift access to infield poles.
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 existing poles are structurally adequate to handle new fixture loading.
5. Ensure usability of existing underground wiring.
6. Pay any necessary power company fees and requirements.
7. Pay all permitting fees.
8. Provide any existing as-built documents or drawings.
9. Provide sealed Electrical Plans. (If required)

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. Provide labor, equipment, and materials to off load equipment at jobsite per scheduled delivery.
2. Provide storage containers for material, (including electrical components enclosures), as needed.
3. Provide necessary waste disposal and daily clean up.
4. Provide security to protect Musco delivered products from theft, vandalism, or damage during the installation.
5. Obtain any required permitting.
6. Confirm the existing underground utilities and irrigation systems have been located and are clearly marked in order to avoid damage from construction equipment. Repair any such damage during construction.
7. Keep heavy equipment off playing fields when possible and lay matting to protect surface when poles must be accessed from field. 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.
8. Provide startup and aiming as required to provide complete and operating sports lighting system.
9. 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 lighting fixtures and electrical enclosures on 18 poles. This will include the recycling of lamps, aluminum reflectors, ballast, and steel as necessary.
2. Leave existing grounds 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. Install new lightning grounding electrode at each pole. Ground rods to be minimum 5/8"x20' with a 20' embedment. Exothermic fusion to be used for all below grade bonding.
3. Install new lightning grounding conductor from pole top to grounding electrode. Bond conductor to each crossarm assembly and driver enclosure hanger bracket. Pole heights of 75' and below require a #2 bare stranded copper OR 1/0 bare stranded aluminum ground wire. Poles heights 76' and above require 2/0 stranded copper OR 4/0 bare stranded aluminum ground wire.

Electrical:

1. Provide materials, and equipment to reuse existing electrical service panels as required.
2. Provide materials, and equipment to reuse existing electrical wiring as permitted.

Control System:

1. Provide labor, equipment, and materials to install 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.

Quote

Date: 9/26/2024

Project: Ward Park Recreation Fields
Smyrna, GA
Musco Project Number: 186442

To: Richard Garland

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 and Installation

Baseball 335'/355'/335'- \$ 238,550.00

Bonding is 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.

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

Guaranteed Lighting Performance

- Guaranteed light levels of 50/30 footcandles
- BallTracker® technology – targeted light, optimizing visibility of the ball in play with no glare in the players typical line-of-sight

System Description

- Factory aimed and assembled luminaires, including BallTracker® luminaires
- Pole length factory assembled wire harnesses
- Factory wired and tested remote electrical component enclosures
- Auxiliary mounting brackets with 2 position crossarm with BallTracker® attachment
- Mounting hardware for poletop luminaire assemblies and electrical components enclosures
- Disconnects
- UL listed assemblies
- Corrosion protection

Environmental Light Control

- Spill light minimized at 150' to 0.1 footcandles
- Off-site glare light minimized at 150' to 5500 candela

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 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

Musco Scope

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

Installation Services Provided

[See attached scope of work]



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
- The owner of the field is responsible for the structural integrity of the existing poles and/or structures

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
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Fax: 800-734-6402
Email: musco.contracts@musco.com

All Purchase orders should note the following:

Sourcewell Purchase – Contract Number: 041123-MSL

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.
- Voltage and phase system requirements to be confirmed.
- Structural code and wind speed = 2018 IBC, 115 mi/h, Exposure C.
- 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.

Josiah Smith
Georgia Sales Representative
Musco Sports Lighting, LLC
100 1st Avenue West – PO Box 808
Oskaloosa, IA 52577, USA
Phone: 678-428-7700
E-mail: Josiah.smith@musco.com

Ward Park Recreation Fields Smyrna, GA Retrofit Scope of Work

Customer Responsibilities:

1. Complete access to the site for construction using standard 2-wheel drive rubber tire equipment. Some fencing and bleachers may need to be relocated for proper access.
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 existing poles are structurally adequate to handle new fixture loading.
5. Ensure usability of existing underground wiring.
6. Pay any necessary power company fees and requirements.
7. Pay all permitting fees.
8. Provide any existing as-built documents or drawings.
9. Provide sealed Electrical Plans. (If required)

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. Provide labor, equipment, and materials to off load equipment at jobsite per scheduled delivery.
2. Provide storage containers for material, (including electrical components enclosures), as needed.
3. Provide necessary waste disposal and daily clean up.
4. Provide security to protect Musco delivered products from theft, vandalism, or damage during the installation.
5. Obtain any required permitting.
6. Confirm the existing underground utilities and irrigation systems have been located and are clearly marked in order to avoid damage from construction equipment. Repair any such damage during construction.
7. 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.
8. Provide startup and aiming as required to provide complete and operating sports lighting system.
9. 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 lighting fixtures and electrical enclosures on 8 poles. This will include the recycling of lamps, aluminum reflectors, ballast, and steel as necessary.
2. Leave existing grounds 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. Install new lightning grounding electrode at each pole. Ground rods to be minimum 5/8"x20' with a 20' embedment. Exothermic fusion to be used for all below grade bonding.
3. Install new lightning grounding conductor from pole top to grounding electrode. Bond conductor to each crossarm assembly and driver enclosure hanger bracket. Pole heights of 75' and below require a #2 bare stranded copper OR 1/0 bare stranded aluminum ground wire. Poles heights 76' and above require 2/0 stranded copper OR 4/0 bare stranded aluminum ground wire.

Electrical:

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

Control System:

1. Provide labor, equipment, and materials to install 1 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.