SUBJECT: PIGGYBACK CLAY COUNTY RFP #18/19-2 VARIOUS EQUIPMENT AND AMENITIES FOR 103RD STREET GO KART TRACK

BID #: PSC-0395-21 **OPEN DATE: 03/19/2019**

GENERAL GOVERNMENT AWARDS COMMITTEE

KIND AND BASIS OF CONTRACT: PIGGYBACK CONTRACT – INITIAL TERM OF THREE (3) YEARS BEGINNING JUNE 6, 2019 THROUGH JUNE 5, 2022

AGENCY: PARKS, RECREATION AND COMMUNITY SERVICES DEPARTMENT

BASIS OF AWARD: PIGGYBACK CLAY COUNTY RFP #18/19-2 VARIOUS EQUIPMENT AND AMENITIES FOR PARKS AND PLAYGROUNDS

NUMBER OF BIDS INVITED: ( ) NUMBER RECEIVED: ( ) OTHER ( )

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:
Recommend approval for a six (6) month extension of piggyback award dated June 1, 2021 to CLAY COUNTY RFP #18/19-2 VARIOUS EQUIPMENT AND AMENITIES FOR PARKS AND PLAYGROUNDS, with MUSCO SPORTS LIGHTING, LLC for 103RD STREET GO KART TRACK in the increase amount of $15,580.00. The new period of service will be from June 6, 2022 through December 5, 2022. The total revised expenditure not-to-exceed $509,580.00.

Funding for this award to be encumbered by account: 32111.167101.565050.009045.00000000.00000.0000000, to be executed by formal contract amendment through the Office of General Counsel and processed via purchase order(s)

ATTACHMENTS: Recommendation Memo, State Contract, Vendor Quote, Previous Award

ANALYST: _____ **RESPECTFULLY SUBMITTED** _____
for RUBEN OLA GREGORY PEASE, CHIEF PROCUREMENT DIVISION

CONCURRENCE BY: Daryl Joseph, Director of Parks, Recreation and Community Services Department

---

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)

ACTION OF GGAC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING _____ MEMBERS DISAPPROVING _____ DATE: _____

_____ _____ OTHER: _____

_____ _____

_____ _____

ACTION OF AWARDING AUTHORITY DATE _____

APPROVED _____ DISAPPROVED _____

OTHER _____

SIGNATURE OF AUTHENTICATION _____

City of Jacksonville, Florida

Daryl Joseph, Director

Parks, Recreation and Community Services Department
214 N Hogan Street, 4th Floor
Jacksonville, FL 32202
(904) 255-7903
www.coj.net

ONE CITY. ONE JACKSONVILLE.

~~March 7, 2021~~
April 18,2022

MEMORANDUM

TO: Gregory Pease, Chief
Procurement Division

FROM: Daryl T. Joseph, Director

RE: **PSC-0395-21 Musco Sports Lighting – Award Increase/Extension**

The Parks, Recreation and Community Services Department respectfully request to increase PSC-0395-21 with Musco Sports Lighting for $15,580.00 for additional lighting needed at 103rd Street Go Kart Track and extend the award an additional six (6) months to ensure completion of work prior to award ending. New award period will be from June 6,2019, thru December 5,2022.

The total not-to exceed maximum indebtedness will be $509,580.00.

The funding source will be as follows:

32111.167101.565050.009045.00000000.00000.0000000 $15,580.00

The funds will be encumbered by individual purchase orders under the master blanket POA-71056-21.

Your assistance in concurring with this recommendation for the respective award would be appreciated. If you have any questions or if further information is required, please contact Amy Honey at 255-7909.

DJ/ah

Attachment: PSC-0395-21 Musco Sport Lighting

Parks, Recreation & Community Services
Job Scope / Specifications

	Admin Award Request		Informal Quote Request ITQ
	Agreement Amendment Request		New Low Bid Request ITB
	CIP Construction Services		Request for Proposal RFP
	Contract Purchase Agreement		Piggyback Request
	Direct Material Purhcase		Single Source
	Emergency Request		Federal Funded [i.e. CDBG]
	Close a PO/BO	X	Change Order on POA listed

POA: POA-71056-21

Date: 4/15/22

Recommended Vendor: Musco Lighting

Address:

City/State/Zip:

Quote Attached X |Yes| |No|

POETA	Project#	Task#	Expenditure	Expenditure	Contract#	Funding Source
	009045	2	565050	PRSC	32111-381910	Parks & Rec Capital Projects

1Cloud Funding	Fund	Center	Account	Project	Activity	Interfund	Future
	32111	167101	565050	009045	00000000	00000	0000000

Project is located at: **103rd St Go Kart Track**			$ -	$ -
Contractor to provide material / labor / equipment / transportation / taxes to:				
Conduit, Speaker Wire, Speaker Mounting: 1. Install 1-1/2" PVC with string for lift station. Conduit provided by COJ. 2. Furnish and install 340' of 1-1/4" PVC conduit with pull string for receptacles. 3. Furnish and install 1" PVC conduit from observation building to poles T4, T5, T9, T10, T11 per directions via email from North Florida Cart Club. 4. Furnish and install (2) 1" conduits from inground boxes to the electrical room in observation building.	1	job	$19,580.00	$ 19,580.00
Reduce Service Size: 1. Reduce 240V 1Ph service size from 600A to 400A.	1	Job	$(4,000.00)	$ (4,000.00)

Note: Please submit any questions regarding the scope of work 2 days prior to the close of bid to allow for response to questions. Contractor will be responsible for all site clean-up and removal of all debris everyday while installation/work is being completed. Contractor will not be allowed to store any materials/supplies or equipment on site during this project completion. Contractor is responsible for all broken walkways, irrigation, water or electrical lines that they may damage during the installation of the project. Any spoil piles shall not be left on site. Project completion shall be verified by the project manager prior to payment. All projects and work shall be compliant with local building codes and with the Americans with Disabilities Act compliance regulations. This project shall be completed within 30 days after receiving the official PO notification from the City of Jacksonville. All projects will be reviewed by COJ Project Manager(s) to ensure adherence to scope. All measurements shall be field verified by the Contractor before bidding on the project.

Total Amount of Order				**$ 15,580.00**
Ship to: N/A				

Requested By:

Requested For:

Approved: Daryl T. Joseph

Digitally signed by Daryl T. Joseph

Date: 4/15/22

Daryl T. Joseph

Clay County

Request for Proposal

RFP No. 18/19-2

Various Equipment and Amenities for Parks and Playgrounds

Submitted by

Musco Sports Lighting, LLC

100 1st Ave West
PO Box 808
Oskaloosa, Iowa 52577
Phone: 800-825-6030
Fax: 641-672-1996

We Make It Happen.

This information is provided by Musco exclusively for this project. Reproduction or distribution of the enclosed documents or information without the written permission of Musco Sports Lighting, LLC is prohibited.
M-1959-enUS-2

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A. Bid Forms

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A. Bid Forms

BID FORM
RFP No. 18/19-2, VARIOUS EQUIPMENT AND AMENITIES FOR PARKS AND PLAYGROUNDS

Bidder: Musco Sports Ligthing, LLC

Address: 100 1st Ave West, PO Box 808

City, State and Zip: Oskaloosa, IA 52577

Phone: 800-825-6030 Email: musco.contracts@musco.com

Contact Name(s): James M. Hansen

Signature of Bidder

*Bidder can provide additional price information related to Ball Field Lighting

MANUFACTURER CATALOGS:

Manufacturer: Musco Sports Lighting, LLC

Fixed Percentage Discount off MSRP: Prices as listed

Installation (Fixed Percentage of cost after discounts of equipment): _____

Manufacturer: N/A

Fixed Percentage Discount off MSRP: _____

Installation (Fixed Percentage of cost after discounts of equipment): _____

Manufacturer: N/A

Fixed Percentage Discount off MSRP: _____

Installation (Fixed Percentage of cost after discounts of equipment): _____

Manufacturer: N/A

Fixed Percentage Discount off MSRP: _____

Installation (Fixed Percentage of cost after discounts of equipment): _____

(MULTIPLE SHEETS CAN BE USED)

RFP #18-19-2, Various Equipment And Amenities For Parks And Playgrounds

SUB-CONTRACTOR EQUIPMENT INSTALLERS:

Business Name: See attached list

Address: _____

Phone Number: _____

Contact Name: _____

Business Name: _____

Address: _____

Phone Number: _____

Contact Name: _____

Business Name: _____

Address: _____

Phone Number: _____

Contact Name: _____

Note: Upon request bidders must supply WRITTEN CERTIFICATION (s) naming bidder. and/or each of its sub-contractor installer(s). as an authorized installer certified to install park and playground equipment as required by each manufacturer. Installers shall have a Certified National Playground Safety Inspector (NPSI) present during installations and repairs.

(MULTIPLE SHEETS CAN BE USED)

Florida Subcontractors

Musco Sports Lighting, LLC
100 1st Ave West
Oskaloosa, IA 52577

Bill Smith Electric Inc
Jake Smith
1095 Hidden Terrace Drive
Cantonment, FL 32533
Phone: 850-968-6500

Parks Electric Service Inc
Claude Parks
2986 Florence Drive
Middleburg, FL 32068
Phone: 904-237-0165

Davco
Russ White/Mark Komar
4885 Park Ridge Boulevard
Boynton Beach, FL 33426
Phone: 561-732-3434

Electrical Contracting Service
Charlie Floyd/Chuck Floyd
2375 West 77th Street
Hialeah, FL 33016
Phone: 305-556-0041

Imperial Electric Inc
Mike Terrango
951 NW 51 Place
Fort Lauderdale, FL 33309
Phone: 954-938-0520

M Gay Constructors
Mike Gay
11802 Industry Drive
Jacksonville, FL 32226
Phone: 904-714-4001

Kenny Strange Electric
Kenny Strange
429 S Tyndall Parkway, Suite E
Panama City, FL 32404
Phone: 850-215-8030

Himes Electric
Thomas Cook
1040 Land O Lake Blvd
Lutz, FL 33549
Phone: 813-909-1927

Musco Sports Lighting, LLC states each of the aforementioned subcontractor installer(s) are authorized to install Musco's sports lighting equipment as required.

Musco Sports Lighting, LLC reserves the right to use other approved subcontractors, with the owners approval. Through the submittal process, the owner has the right to reject any subcontractors not licensed or listed with the local jurisdiction.

WARRANTY INFORMATION FORM

MAKE AND MODEL OF EQUIPMENT PROPOSED: Musco Sports Lighting Equipment & Services

Is there a warranty on the equipment proposed? X Yes ____ No

Does the warranty apply to **ALL** components or only part? (State Explicitly)

See attached warranties

Parts Warranty Period:_____ Service Warranty Period:_____

Nearest source for parts and/or service center (s):

Musco Sports Lighting, LLC

Name, address and phone number of the authorized service center (s):

1) Musco Sports Lighting, LLC, 100 1st Ave West, Oskaloosa, IA 52577, 877-347-3319

2) _____

3) _____

Name, address and phone number of the authority issuing this warranty: (Manufacturer, Distributor, etc.)

Musco Sports Lighting, LLC, 100 1st Ave West, Oskaloosa, IA 52577

COPY OF COMPLETE WARRANTY STATEMENT IS SUBMITTED HEREWITH: X Yes ____ No

Name of Bidder: Musco Sports Lighting, LLC

Signature

Title Secretary Phone Number 800-825-6030

(MULTIPLE SHEETS CAN BE USED)

Musco Constant 25™

25-Year Product Assurance & Warranty Program

Musco Sports Lighting, LLC will provide all materials and labor to maintain operation of your lighting system to original design criteria for 25 years, or until maximum hours of coverage have accumulated, whichever comes first. Musco products and services are guaranteed to perform on your project as detailed in this document.

Light

Average illumination levels are guaranteed as described in the Project Details on the following page. Musco will electronically monitor luminaire operation and operating hours, and will group re-lamp if applicable.

Individual luminaire outages that occur during the warranty and maintenance period are repaired when the usage of any field is materially impacted. If actual usage exceeds the maximum hours of coverage, the customer will be required to pay an additional fee in order to maintain the warranty to the end of 25 years.

Energy Consumption

Average and maximum energy consumptions for your lighting system are guaranteed. Exhibit A provides a 25-year energy cost model based upon the customer provided utility rate and anticipated hours of usage. Changes in rates or usage will proportionately change the costs.

Monitoring, Maintenance and Control Services

Musco shall monitor the performance of your lighting system, including on/off status, hours of usage and lamp outages. If fixture outages that affect playability are detected, Musco will contact you and proactively dispatch technicians.

On-off control of your lighting system is provided via an easy-to-use web site scheduling system, phone, fax, or email. Our trained Control-Link Central™ service center staff is available toll-free 24/7. Regular usage reports are always available on Control-Link Central's web site.

Spill Light Control

Spill light readings at identified locations are guaranteed to be controlled to the values provided in Musco's design documents for your project, shown in Exhibit B.

Structural Integrity

Your project has been designed to
Structural integrity of equipment manufactured by Musco is guaranteed.

Musco has a team of people to ensure fulfillment of our product and services warranty (Exhibit C) and maintains financial reserves dedicated to support our fulfillment of this warranty. Please keep this document as your signed contract guaranteeing comprehensive service for the 25 year period.

©2013-2017 Musco Sports Lighting, LLC

Musco Constant 25™

25-Year Product Assurance & Warranty Program

Project Details

Project Name: _____ Project Number: _____

Owner: _____ City: _____ State: _____

Product(s) Covered: _____

Date Issued: _____

Expiration: _____ or maximum hours of coverage noted below, whichever occurs first

Total Average kW per hour:_____ Total Maximum kW per hour:_____

Musco products and services are guaranteed to perform on your project as follows:

Field/Zone	Fixture Quantity	Lamp Type	Average Target Light Level	Uniformity Max/Min	Total Relamps Included	Estimated Annual/25-Year Estimated Usage Hours	Maximum Hours of Coverage

©2005-2017 Musco Sports Lighting, LLC

Musco Constant 25™

25-Year Product Assurance & Warranty Program Terms and Conditions

Service under this Contract is provided by Musco Sports Lighting, LLC ("Musco") or an authorized servicer approved by Musco. Services performed under this Contract shall consist of furnishing labor and parts necessary to restore the operation of the Covered Product(s) to original design criteria provided such service is necessitated by failure of the Covered Product(s) during normal usage. This Contract covers Product(s) consisting of Musco's Total Light Control – TLC for LED™ or Green Generation Lighting® with Control-Link® and any additional Musco manufactured product as listed on page 2.

"We", "us" and "our" mean Musco. "You" and "your" mean the purchaser of the Covered Product(s). No one has the authority to change this Contract without the prior written approval of Musco. Musco shall not assume responsibility for their agents or assignees other than as described below. If there is a conflict between the terms of this Contract and information communicated either orally or in writing by one or more of our employees or agents, this Contract shall control.

Additional Provisions

1. **Availability of Service:** Control-Link Central operators shall be available 24/7 via web site, phone, fax, or email. Maintenance service specialists shall be available 8AM to 5PM Central Time, and services shall be rendered during these same hours in your local time zone, Monday through Friday (with the exception of national holidays). Hours of operation are subject to change without notice to you. Musco will exercise all reasonable efforts to perform service under this Contract, but will not be responsible for delays or failure in performing such services caused by adverse weather conditions, acts of any government, failure of transportation, accidents, riots, war, labor actions or strikes or other causes beyond its control.

2. **Determination of Repairs:** Musco will utilize the field monitoring system and any information provided by the customer to determine when the usage of the field is materially impacted. From this information, Musco will determine needed repair and/or replacement of Covered Product(s) and parts. Repair will be with product(s) of like kind and quality.

3. **Your Requirements Under this Contract:** You must meet all electrical and installation requirements as specified by the manufacturer. In addition, you promise and assure: full cooperation with Musco, Musco's technicians and authorized servicers during telephone diagnosis and repair of the Covered Product(s); reasonable accessibility of the Covered Product(s); a non-threatening and safe environment for service.

   You agree to check fuses and to replace fuses as needed. Musco provides spare fuses in the lowest alpha-numeric numbered enclosure. Musco will replenish spare fuses used.

   You agree to keep your control system online. This means keeping the required control voltage to the control system at all times. Any deviation from this practice must be discussed with Musco's Warranty Department.

4. **Service Limitations - This Contract does not cover:** Maintenance, repair or replacement necessitated by loss or damage resulting from any external causes such as, but not limited to, theft, environmental conditions, negligence, misuse, abuse, improper electrical power supply, unauthorized repairs by third parties, attachments, damage to cabinetry, equipment modifications, vandalism, animal or insect infestation, physical damage to Covered Products parts or components, failure of existing structures, supporting electrical systems or any non-Musco equipment, or acts of God nature (including, but not limited to: earthquake, flood, tornadoes, typhoons, hurricanes or lightning).

5. **Contract Limitations:**
   a. EXCLUSIONS FROM COVERAGE: IN NO EVENT WILL MUSCO BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES WHICH INCLUDE, BUT ARE NOT LIMITED TO, ANY DELAY IN RENDERING SERVICE OR LOSS OF USE DURING THE REPAIR PERIOD OF THE COVERED PRODUCT(S) OR WHILE OTHERWISE AWAITING PARTS.

   b. Limitation of Liability: To the extent permitted by applicable law, the liability of Musco, if any, for any allegedly defective Covered Product(s) or components shall be limited to repair or replacement of the Covered Product(s) or components at Musco's option. THIS CONTRACT IS YOUR SOLE EXPRESS WARRANTY WITH RESPECT TO THE COVERED PRODUCT(S). ALL IMPLIED WARRANTIES WITH RESPECT TO THE COVERED PRODUCT(S) INCLUDING, BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXPRESSLY EXCLUDED.

   c. For the purposes of and by your acceptance of this Contract you acknowledge and agree that if a surety bond ("Bond") is provided the warranty and/or maintenance guarantee provided for in this Contract and any corresponding liability on behalf of the issuing surety under the Bond is limited to the first twelve (12) months of said warranty and/or maintenance guarantee coverage period. Any warranty and/or guarantee coverage period in excess of said initial 12 month period does not fall within the scope of the Bond and shall be the sole responsibility of Musco.

   d. Musco requires reasonable access for a crane or man lift equipment to service the lighting system. Musco will not be responsible for damage from operating the vehicle on the property when the equipment is operated in the prescribed manner over the designated access route.

   e. Obsolescence or Environmental Restrictions: If during any maintenance or other work performed under this Warranty, any of the parts of the Covered Product(s) are found to be either obsolete, no longer available, or prohibited by any state of federal agency, Musco shall replace said parts with comparable parts and materials with equal operating characteristics solely at Musco's discretion. The cost of replacement of any obsolete cellular related technology shall be borne by you. Prior to completing any such work, Musco shall notify you of the cost (if any) you will incur in the replacement of such parts under this section.

6. **Transfer and Assignment:** Except to owners, you shall not have the right to assign or otherwise transfer your rights and obligations under this Contract except with the prior written consent of Musco; however, a successor in interest by merger, operation of law, assignment or purchase or otherwise of your entire business shall acquire all of your interests under this Contract.

7. **Governing Law:** Unless otherwise governed by applicable state law, the Contract shall be interpreted and enforced according to the laws of the State of Iowa.

8. **Subrogation:** In the event Musco repairs or replaces any Covered Product(s), parts or components due to any defect for which the manufacturer or its agents or suppliers may be legally responsible, you agree to assign your rights of recovery to Musco. You will be reimbursed for any reasonable costs and expenses you may incur in connection with the assignment of your rights. You will be made whole before Musco retains any amounts it may recover.

Signature: _____

Vice President of Sales

©2005-2017 Musco Sports Lighting, LLC

Musco Constant 10™

10-Year Product Assurance & Warranty Program

Musco Sports Lighting, LLC will provide all materials and labor to maintain operation of your lighting system to original design criteria for 10 years, or until maximum hours of coverage have accumulated, whichever comes first. Musco products and services are guaranteed to perform on your project as detailed in this document.

Light

Average illumination levels are guaranteed as described in the Project Details on the following page. Musco will electronically monitor luminaire operation and operating hours, and will group re-lamp if applicable.

Individual luminaire outages that occur during the warranty and maintenance period are repaired when the usage of any field is materially impacted. If actual usage exceeds the maximum hours of coverage, the customer will be required to pay an additional fee in order to maintain the warranty to the end of 10 years.

Energy Consumption

Average and maximum energy consumptions for your lighting system are guaranteed. Exhibit A provides a 10-year energy cost model based upon the customer provided utility rate and anticipated hours of usage. Changes in rates or usage will proportionately change the costs.

Monitoring, Maintenance, and Control Services

Musco shall monitor the performance of your lighting system, including on/off status, hours of usage, and lamp outages. If fixture outages that affect playability are detected, Musco will contact you and proactively dispatch technicians.

On-off control of your lighting system is provided via an easy-to-use web site scheduling system, phone, fax, or email. Our trained Control-Link Central™ service center staff is available toll-free 24/7. Regular usage reports are always available on Control-Link Central's web site.

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Spill light readings at identified locations are guaranteed to be controlled to the values provided in Musco's design documents for your project, shown in Exhibit B.

Structural Integrity

Your project has been designed to
Structural integrity of equipment manufactured by Musco is guaranteed.

Musco has a team of people to ensure fulfillment of our product and services warranty (Exhibit C) and maintains financial reserves dedicated to support our fulfillment of this warranty. Please keep this document as your signed contract guaranteeing comprehensive service for the 10 year period.

©2005, 2017 Musco Sports Lighting, LLC

Musco Constant 10™

10-Year Product Assurance & Warranty Program

Project Details

Project Name: _____ Project Number: _____

Owner: _____ City: _____ State: _____

Covered Product(s): _____

Date Issued: _____

Expiration: _____ or maximum hours of coverage noted below, whichever occurs first

Total Average kW per hour: _____ Total Maximum kW per hour: _____

Musco products and services are guaranteed to perform on your project as follows:

Field/Zone	Fixture Quantity	Lamp Type	Average Target Light Level	Uniformity Max/Min	Total Relamps Included	Estimated Annual/10-Year Estimated Usage Hours	Maximum Hours of Coverage

©2005-2017 Musco Sports Lighting, LLC

Musco Constant 10™

10-Year Product Assurance & Warranty Program Terms and Conditions

Service under this Contract is provided by Musco Sports Lighting, LLC ("Musco") or an authorized servicer approved by Musco. Services performed under this Contract shall consist of furnishing labor and parts necessary to restore the operation of the Covered Product(s) to original design criteria provided such service is necessitated by failure of the Covered Product(s) during normal usage. This Contract covers Product(s) consisting of Musco's Total Light Control – TLC for LED™ or Green Generation Lighting® with Control-Link® and any additional Musco manufactured product as listed on page 2.

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Additional Provisions

1. **Availability of Service:** Control-Link Central™ operators shall be available 24/7 via web site, phone, fax, or email. Maintenance service specialists shall be available 8AM to 5PM Central Time, and services shall be rendered during these same hours in your local time zone, Monday through Friday (with the exception of national holidays). Hours of operation are subject to change without notice to you. Musco will exercise all reasonable efforts to perform service under this Contract, but will not be responsible for delays or failure in performing such services caused by adverse weather conditions, acts of any government, failure of transportation, accidents, riots, war, labor actions or strikes or other causes beyond its control.

2. **Determination of Repairs:** Musco will utilize the field monitoring system and any information provided by the customer to determine when the usage of the field is materially impacted. From this information, Musco will determine needed repair and/or replacement of Covered Product(s) and parts. Repair will be with Product(s) of like kind and quality.

3. **Your Requirements Under this Contract:** You must meet all electrical and installation requirements as specified by the manufacturer. In addition, you promise and assure: full cooperation with Musco, Musco's technicians and authorized servicers during telephone diagnosis and repair of the Covered Product(s); reasonable accessibility of the Covered Product(s); a non-threatening and safe environment for service.

   You agree to check fuses and to replace fuses as needed. Musco provides spare fuses in the lowest alpha-numeric numbered enclosure. Musco will replenish spare fuses used.

   You agree to keep your control system online. This means keeping the required control voltage to the control system at all times. Any deviation from this practice must be discussed with Musco's Warranty Department.

4. **Service Limitations — This Contract does not cover:** Maintenance, repair, or replacement necessitated by loss or damage resulting from any external causes such as, but not limited to, theft, environmental conditions, negligence, misuse, abuse, improper electrical power supply, unauthorized repairs by third parties, attachments, damage to cabinetry, equipment modifications, vandalism, animal or insect infestation, physical damage to Covered Product(s) parts or components, failure of existing structures, supporting electrical systems or any non-Musco equipment, or acts of God/nature (including, but not limited to: earthquake, flood, tornadoes, typhoons, hurricanes, or lightning).

5. **Contract Limitations:**
   a. EXCLUSIONS FROM COVERAGE: IN NO EVENT WILL MUSCO BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES WHICH INCLUDE, BUT ARE NOT LIMITED TO, ANY DELAY IN RENDERING SERVICE OR LOSS OF USE DURING THE REPAIR PERIOD OF THE COVERED PRODUCT(S) OR WHILE OTHERWISE AWAITING PARTS.

   b. Limitation of Liability: To the extent permitted by applicable law, the liability of Musco, if any, for any allegedly defective Covered Product(s) or components shall be limited to repair or replacement of the Covered Product(s) or components at Musco's option. THIS CONTRACT IS YOUR SOLE EXPRESS WARRANTY WITH RESPECT TO THE COVERED PRODUCT(S). ALL IMPLIED WARRANTIES WITH RESPECT TO THE COVERED PRODUCT(S) INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXPRESSLY EXCLUDED.

   c. For the purposes of and by your acceptance of this Contract you acknowledge and agree that if a surety bond ("Bond") is provided the warranty and/or maintenance guarantee provided for in this Contract and any corresponding liability on behalf of the issuing surety under the Bond is limited to the first twelve (12) months of said warranty and/or maintenance guarantee coverage period. Any warranty and/or guarantee coverage period in excess of said initial 12 month period does not fall within the scope of the Bond and shall be the sole responsibility of Musco.

   d. Musco requires reasonable access for a crane or man lift equipment to service the lighting system. Musco will not be responsible for damage from operating the vehicle on the property when the equipment is operated in the prescribed manner over the designated access route.

   e. Obsolescence or Environmental Restrictions: If during any maintenance or other work performed under this Warranty, any of the parts of the Covered Product(s) are found to be either obsolete, no longer available, or prohibited by any state of federal agency, Musco shall replace said parts with comparable parts and materials with equal operating characteristics solely at Musco's discretion. The cost of replacement of any obsolete cellular related technology shall be borne by you. Prior to completing any such work, Musco shall notify you of the cost (if any) you will incur in the replacement of such parts under this section.

6. **Transfer and Assignment:** Except to owners, you shall not have the right to assign or otherwise transfer your rights and obligations under this Contract except with the prior written consent of Musco; however, a successor in interest by merger, operation of law, assignment or purchase or otherwise of your entire business shall acquire all of your interests under this Contract.

7. **Governing Law:** Unless otherwise governed by applicable state law, the Contract shall be interpreted and enforced according to the laws of the State of Iowa.

8. **Subrogation:** In the event Musco repairs or replaces any Covered Product(s), parts or components due to any defect for which the manufacturer or its agents or suppliers may be legally responsible, you agree to assign your rights of recovery to Musco. You will be reimbursed for any reasonable costs and expenses you may incur in connection with the assignment of your rights. You will be made whole before Musco retains any amounts it may recover.

Signature: _____

Vice President of Sales

©2005-2017 Musco Sports Lighting, LLC

RFP No. 18/19-2, VARIOUS EQUIPMENT AND AMENITIES FOR PARKS AND PLAYGROUNDS

CORPORATE DETAIL

Failure to complete all fields may result in your bid being rejected as non-responsive.

COMPANY NAME: Musco Sports Lighting, LLC

ADDRESS: 100 1st Ave West

PO Box 808

Oskaloosa, IA 52577

TELEPHONE: 800-825-6030

FAX #: 641-672-1996

E-MAIL: musco.contracts@musco.com

Name of Person submitting Bid: James M. Hansen

Title: Secretary

Signature:

Date: 2/20/2019

ADDENDA ACKNOWLEDGMENT:
Bidder acknowledges receipt of the following addendum:

Addendum No. _____ Date: _____ Acknowledged by: _____

Addendum No. _____ Date: _____ Acknowledged by: _____

Addendum No. _____ Date: _____ Acknowledged by: _____

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion Form

RFP No. 18/19-2, VARIOUS EQUIPMENT AND AMENITIES FOR PARKS AND PLAYGROUNDS

(1) **The prospective Vendor, Musco Sports Lighting, LLC, certifies, by submission of this document, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal Department or Agency.**

(2) **Where the Vendor is unable to certify to the above statement, the prospective Vendor shall attach an explanation to this form.**

Vendor:

Musco Sports Lighting, LLC

By: _____
Signature

James M. Hansen, Secretary
Name and Title

100 1st Ave West
Street Address

Oskaloosa, IA 52577
City, State, Zip

2/20/2019
Date

Scrutinized Companies Certification

[Clay County **RFP No. 18/19-2, VARIOUS EQUIPMENT AND AMENITIES FOR PARKS AND PLAYGROUNDS**]

Name of Company:[1] Musco Sports Lgihting, LLC

In compliance with subsection (5) of Section 287.135(5), Florida Statutes (the Statute), the undersigned hereby certifies that the company named above is not participating in a boycott of Israel as defined in subsection (1) of the Statute; is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List as referred to in subsection (2) of the Statute; and does not have business operations in Cuba or Syria as defined in subsection (1) of the Statute.

Insert Name of Company:

Musco Sports Lighting, LLC

(Seal)

None

By: _____

James M. Hansen

Its Secretary

[1] "Company" means a sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, limited liability company, or other entity or business association, including all wholly owned subsidiaries, majority-owned subsidiaries, parent companies, or affiliates of such entities or business associations, that exists for the purpose of making profit.

B. Bid Pricing

Clay County
Sports Lighting Bid Sheet

Manufacturer:	Musco Sports Lighting, LLC
Address:	100 1st Ave West, PO Box 808
City, State, Zip Code:	Oskaloosa, IA 52577
Contact:	Amanda Hudnut
Phone:	800-825-6030
Fax:	641-672-1996
Email:	musco contracts@musco com
Federal ID#:	42-1511754

Terms: 25% of contract price required with order. Balance due Net 30 days upon delivery

All prices include delivery within Clay County, FL to the job site and are for the lighting system materials only

Section 1: Musco Sports Lighting Price List

A. Light-Structure System™ with Total Light Control – TLC for LED® & SportsCluster® System with Total Light Control – TLC for LED®

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

The Light-Structure System™ with TLC for LED® includes precast concrete bases, galvanized steel poles, electrical components enclosures, wire harnesses, luminaire assemblies and Control-Link® Control & Monitoring package. Installation is NOT included in pricing for the items listed in Section 1.

WARRANTY AND GUARANTEE: Musco will provide all materials and labor to maintain operation of the Light-Structure System™ with Total Light Control – TLC for LED® to original design criteria for 25 years. Musco products and services are guaranteed to perform for the customer as detailed in the "Musco Constant 25™" document.

SportsCluster® System with Total Light Control – TLC for LED®

SportsCluster® System with TLC for LED® includes electrical components enclosures, wire harnesses, luminaire assemblies and Control-Link® Control & Monitoring package (does not include poles or concrete bases). Utilizes existing sports lighting poles that are compatible with Musco's lighting system. Installation is NOT included in the pricing for the items listed in Section 1.

WARRANTY AND GUARANTEE: Musco will provide all materials and labor to maintain operation of the SportsCluster® System with Total Light Control – TLC for LED® to original design criteria for 10 years. Musco products and services are guaranteed to perform for the customer as detailed in the "Musco Constant 10™" document. The Constant 10™ warranty is contingent upon a site inspection.

FOOTBALL

Field Size	Pole Setback	Average Maintained Light Level	Price for Light-Structure TLC-LED Materials	Price for SportsCluster TLC-LED Materials	Average Maintained Light Level	Price for Light-Structure TLC-LED Materials	Price for SportsCluster TLC-LED Materials
360' x 160'	50'	30 FC	$153,700	$106,100	50 FC	$234,100	$156,100
360' x 160'	70'	30 FC	$187,300	$118,400	50 FC	$266,700	$168,600
360' x 160'	100'	30 FC	$219,100	$118,700	50 FC	$319,500	$169,100
360' x 160'	120'	30 FC	$237,800	$130,700	50 FC	$331,800	$187,300

SOCCER

Field Size	Pole Setback	Average Maintained Light Level	Price for Light-Structure TLC-LED Materials	Price for SportsCluster TLC-LED Materials	Average Maintained Light Level	Price for Light-Structure TLC-LED Materials	Price for SportsCluster TLC-LED Materials
330x200	30'	30 FC	$166,000	$90,600	50 FC	$211,800	$131,700
330x200	50'	30 FC	$166,000	$90,600	50 FC	$224,400	$143,800
360x210	30'	30 FC	$166,000	$90,600	50 FC	$224,400	$143,800
360x210	50'	30 FC	$177,700	$106,100	50 FC	$257,100	$164,500
360x225	30'	30 FC	$178,600	$106,100	50 FC	$237,000	$155,800
360x225	50'	30 FC	$179,500	$106,100	50 FC	$271,500	$170,200

BASEBALL / SOFTBALL

Field Type	Field Size	Average Maintained Light Level (Inf/Out)	Price for Light-Structure TLC-LED Materials	Price for SportsCluster TLC-LED Materials	Average Maintained Light Level (Inf/Out)	Price for Light-Structure TLC-LED Materials	Price for SportsCluster TLC-LED Materials
60' Base Path	200'	30/20	$107,400	$70,300	50/30	$119,200	$78,800
60' Base Path	225'	30/20	$122,100	$80,500	50/30	$134,000	$92,100
60' Base Path	250'	30/20	$127,200	$80,500	50/30	$149,900	$103,000
60' Base Path	300'	30/20	$173,300	$119,800	50/30	$205,500	$134,300
60' Base Path	320'	30/20	$177,800	$124,300	50/30	$226,800	$146,300
90' Base Path	300'	50/30	$235,900	$147,400	70/50	$325,300	$208,500
90' Base Path	325'	50/30	$259,600	$159,500	70/50	$352,300	$228,400
90' Base Path	350'	50/30	$273,100	$172,500	70/50	$403,800	$252,600
90' Base Path	320/360/320	50/30	$261,200	$160,800	70/50	$413,600	$255,300
90' Base Path	330/400/330	50/30	$366,200	$212,600	70/50	$464,600	$281,000

TENNIS

# Courts	Average Maintained Light Level	Price for Light-Structure TLC-LED Materials	Price for SportsCluster TLC-LED Materials
2	50 FC	$69,500	$49,400
3	50 FC	$81,500	$52,600
4	50 FC	$81,500	$52,600
6	50 FC	$162,400	$102,300

BASKETBALL - OUTDOOR

# Courts	Average Maintained Light Level	Price for Light-Structure TLC-LED Materials	Price for SportsCluster TLC-LED Materials
2	50 FC	$61,100	$44,300

BASKETBALL - INDOOR - 10 year parts and labor warranty		
# Courts	Light Level	Price for LED Material
1 – 94 x 50	80 FC	$25,500

PARKING LOT - 10 year parts and labor warranty			
Parking Lot Area	Light Level	Price for LED Material	Price per Square foot (to be used for alternate size areas)
320' x 200'	1 FC	$28,600	$0.45/sq ft

1. This pricing is based on using Musco's typical 5700 Kelvin/75 CRI LED fixtures. Other Kelvin & CRI LED fixtures combinations are available and may add additional cost.

2. Sales tax, labor and unloading of the equipment is not included as part of the materials only pricing.

3. Pricing is based on shipment of entire project together to one location. Delivery time of order, submittal approval, and confirmation of order details include voltage and phase and pole location is approximately 4-6 weeks standard shipping.

4. This pricing list should not be considered complete and exhaustive due to the nature of each project being unique, design-build situation.

B. Light-Structure System™ with Green Generation Lighting® metal halide technology or SportsCluster® System with Green Generation Lighting® metal halide technology will be reduced by 15% on all field pricing packages on the bid form. This pricing list should not be considered complete and exhaustive due to the nature of each project being unique, design-build situation.

Example: 360' x 160' Football @ 30FC (50' SETBACK)

$153,700 X 15% = $23,055

$153,700 - $23,055

Metal Halide Technology Pricing = $130,645

Includes precast concrete bases, galvanized steel poles, electrical components enclosures, wire harnesses, luminaire assemblies and Control-Link® Control & Monitoring package (does not include poles with SportsCluster®). Installation is NOT included in pricing for the items listed in Section 1

WARRANTY AND GUARANTEE Musco will provide all materials and labor to maintain operation of the Light-Structure System™ with Green Generation Lighting® metal halide technology or SportsCluster® System with Green Generation Lighting® metal halide technology to original design criteria for 10 years. Musco products and services are guaranteed to perform for the customer as detailed in the "Musco Constant 10™" document.

C. Other Applications

	Cost	
Additional lighting for security, special areas, replacing fixtures on existing poles or non-standard field sizes & pole locations	$3,500	per fixture
Control-Link Retrofit Unit (material only)	$8,500	per unit
Control-Link Unit - Multiple Services (material only)	$6,700	per unit
Osprey Nest Platforms	$3,000	each
TLC-RGBW Fixture	$4,500	per fixture
LED Security Fixture (mount on Musco pole)	$1,850	per fixture
LED Pathway Lighting (8' pole with LED fixture)	$2,300	per pole
LED Area Lighting (15' pole with LED fixture)	$2,250	per pole
LED Roadway Lighting (30' pole with LED fixture)	$2,550	per pole
LED Bollard Lighting (42" pole with LED fixture)	$800	per pole

Section II: Adders

A. The above pricing is based upon 2017 FBC 130 mph. For each 10 mph increase in wind zone, the equipment price will increase by 10%

B. Florida Building Code, 2017 edition with supplement for public schools will add up to 20% to the price of the job plus any applicable wind zone increase adder.

C. Broward County and Miami-Dade County for HVHZ wind zone will add up to 30% to the price of the job plus any applicable wind zone increase adder.

D. Control-Link® Entertainment package will increase the equipment price by 5%

E. Control-Link® Entertainment+ package will increase the equipment price by 12%. Musco is not responsible for obtaining or any cost associated with music licenses.

Section III: Labor Costs

A. Pole Installation **(price per pole)**

Pole Height	LS 2017 FBC 130 mph Price
40'	**$4,150**
50'	**$4,300**
60'	**$4,600**
70'	**$5,300**
80'	**$6,450**
90'	**$9,500**
100'	**$11,550**
110'	**$17,550**

B. Sub-Standard Soil Conditions – The above installation price is based upon 130 mph wind zone installed in standard class 5 soils. If sub-standard soil conditions exist, it is understood that there may be additional costs associated with a sub-standard soil installation and owner agrees to accept the additional costs. In addition, because wind zones sometimes impact pole size, there maybe a 10% increase in the cost of installation for each 10 mph increase in wind zone.

C.	Removal of Existing Concrete Poles	**$4,600 per pole**
D.	Removal of Existing Wooden Poles	**$1,750 per pole**
E.	Straighten Concrete Pole	**$5,000 per pole**
F.	Patching Concrete Poles	**$4,000 per pole**
G.	Installation of Fixtures on Existing Poles	**$6,000 per pole**
H.	Installation of Control Link Retrofit	**$2,100 per unit**
I.	Retrofit existing Gymnasium with LED	**$750 per fixture**
J.	Site Inspection – Evaluation of existing lighting system	**$2,500 per project**

Section IV: Electrical Costs

A. Service Options

Option A – 200 Amp Service (Section IV, A, 1)	**$12,650 each**
Option B – 400 Amp Service (Section IV, A, 1)	**$21,300 each**
Option C – 600 Amp Service (Section IV, A, 1)	**$25,900 each**
Option D – 800 Amp Service (Section IV, A, 1)	**$28,750 each**

B. Conduit, Pull Boxes and Conductors

1. Wiring from Panel to Contactors

a. Connect wiring from one 3 pole, 30 amp breaker to one 3 pole, 30 amp contactor using 3-#6 conductors, max distance of 10 feet	**$100 each**
b. Connect wiring from one 3 pole, 60 amp breaker to one 3 pole, 60 amp contactor using 3-#4 conductors, max distance of 10 feet	**$110 each**

2. Wiring from Contactors to Poles

a. 2" PVC with (4) #1 THWN conductors	**$30 per foot**
b. 2 ½" PVC with (4) 3/0	**$40 per foot**
c. 4" PVC with (4) 500mcm	**$75 per foot**
d. (2) 4" PVC with (4) 300mcm	**$98 per foot**

3. Copper Conductors in PVC Conduit pricing is based on a 500' maximum distance After 500' the per foot pricing will apply.

a	10	$5,400	**$5.75 per foot**
b	8	$5,980	**$8.65 per foot**
c	6	$6,210	**$11.50 per foot**

4. Pull Boxes

a. Brooks 38T pull box with 8" x 8" x 6" PVC box Inside	**$600 each**
b. Connect 4-#1 conductors from pull box to sports lighting pole, maximum distance of 10 feet	**$150 each**

C. Installation of Contactor Cabinets

a. 48" Cabinet	**$5,750 each**
b. 72" Cabinet	**$8,650 each**

D. Lightning Protection

1. Surge Arrestor – protection at remote electrical enclosure	**$1,200 each**
2. Surge Arrestor – protection on line side of panel	**$9,900 each**

E. Pole Grounding

1. Provide and install ground rods for poles 70' and below	**$900 per pole**
2. Provide and install ground rods for poles 80' and above	**$1,450 per pole**

Section V: Engineered Plans

A.	Electrical Engineering Drawings, sealed by P.E.	
	1. Adder for 200 amp service	**$6,600 each**
	2. Adder for 400 amp service	**$9,950 each**
	3. Adder for 600 amp service	**$15,900 each**
	4. Adder for 800 amp service	**$26,450 each**
B.	Structural Engineering Drawings, sealed by P.E.	
	1. Foundation and pole plans based on assumed soils	**$1,350 per project**
	2. Foundation and pole plans based on geotech report	**$3,300 per project**
C.	Geotech report	**$9,950 per project**
D.	Bonding (over $200,000)	**$2,000 per $100,000**
E.	Site survey	**$3,300 per project**
F.	Project management	**$6,000 per project**

Section VI: Yearly Adjustments

A. During the term of this contract, technical upgrades to these products may periodically become available and will be offered to the owner. Musco reserves the right to supply upgraded technology provided it maintains the on-field lighting performance, enhances benefits and does not exceed the prices bid when applied to a project application under the current contract provisions.

B. During the term of this contract, new products with improved technology may become available. Musco reserves the right whether or not to offer new products to the owner based upon the application, and it is at the owner's discretion whether or not to accept the associated, increased costs of the new, improved technology.

C. During the term of this contract if the State of Florida Building Code and/or wind speeds change, Musco reserves the right to adjust pricing accordingly.

Sports Lighting - Base Bid Lighting Equipment

Part 1 - General

A. The project goals are as follows:
   i. Guaranteed Light Levels: Selection of the appropriate light levels impact the safety of the players and the enjoyment of the spectators. Therefore, the lighting system shall be designed such that the light levels are guaranteed for a period of 25 years.
   ii. Environmental Light Control: Provide precise control of light with engineered optic systems using proven spill and glare reduction methods. The lighting system manufacturer needs to certify that they can meet or exceed all local lighting ordinances, offsite spill and glare. If required, lighting manufacturer will meet Dark Skies requirements.
   iii. Life Cycle Costs: In order to reduce the operating budget, the preferred lighting system shall be energy efficient and cost effective to operate. All maintenance costs shall be eliminated, and the field(s) should be proactively monitored to detect luminaire outages over a 25 year life cycle.
   iv. Control and Monitoring: To allow for optimized use of labor resources and to avoid unneeded operation of the facility, a remote on/off control system for the lighting system must be included. Fields should be proactively monitored to detect luminaire outages over the 25 years life cycle. All communication and monitoring costs for the 25 year period shall be included in the pricing.

B. Sports Lighting Performance
   i. The performance shall be in accordance with IES RP-6-15, which states maintained average illuminance levels are values which the lighting system should always meet or exceed.
   ii. Uniformity Ratio: The foot-candle level shall have a uniformity ratio of maximum ratio of not greater than the following:
      1. The manufacturer guarantees field light intensity levels and uniformity ratios at initial start-up and throughout rated life of the lamp and shall be maintained for the warranty life.

Football – Standard 4-pole layout, with poles located at the 15-yard line, with setbacks from the field as given below with two options for lighting levels to be submitted and quoted.

Field Size	Pole Setback	Target Light Level	Target Light Level	Uniformity	Grid Spacing	Grid Points
360' x 160'	50'	30 fc	50 fc	2.0:1	30' x 30'	72
360' x 160'	70'	30 fc	50 fc	2.0:1	30' x 30'	72
360' x 160'	100'	30 fc	50 fc	2.0:1	30' x 30'	72
360' x 160'	120'	30 fc	50 fc	2.0:1	30' x 30'	72

Soccer – Standard 4-pole layout, with poles located at a distance of (Field Length/2 – ((Field Width/2 + Setback) x 0.40)) from the centerline, with setbacks from the field as given above. Standard outside pole locations for a 6-pole design would be located at a distance of (Field Length/2 – ((Field Width/2 + Setback) x 0.28) from the center line, with setbacks from the field as given below with two options for lighting levels to be submitted and quoted.

Field Size	Pole Setback	Target Light Level	Target Light Level	Uniformity	Grid Spacing	Grid Points
330x200	30'	30 fc	50 fc	2.0:1	30' x 30'	77
330x200	50'	30 fc	50 fc	2.0:1	30' x 30'	77
360x210	30'	30 fc	50 fc	2.0:1	30' x 30'	84
360x210	50'	30 fc	50 fc	2.0:1	30' x 30'	84
360x225	30'	30 fc	50 fc	2.0:1	30' x 30'	96
360x225	50'	30 fc	50 fc	2.0:1	30' x 30'	96

Baseball (90' Base path) – Standard A-pole locations are 50' down line and 55' off for a 90' base path. Standard B-pole locations are 5' beyond the outfield radius and 10' off the foul line for a 4-pole design and are at a distance down the line of ((Foul Line + (Base path* 0.5))/2) and 40' off the foul line for a 6-pole and 8-pole design. Standard C-pole locations are 5' beyond the outfield radius at an angle of 20 degrees from the foul line for a 6-pole design and 10 degrees from the foul line for an 8–pole design. Standard D-pole locations are 5' beyond the outfield radius at an angle of 30 degrees from the foul line for an 8-pole design.

Softball (60' Base path) – Standard A-pole locations are 35' down line and 40' off for a 60' base path. Standard B-pole locations are 5' beyond the outfield radius and 10' off the foul line for a 4-pole design and are at a distance down the line of ((Foul Line + (Base path*0.5)/2) and 40' off the foul line for a 6-pole and 8-pole design. Standard C-pole locations are 5' beyond the outfield radius at an angle of 20 degrees from the foul line for a 6-pole design and 10 degrees from the foul line for an 8–pole design.

Field Type	Field Size	Target Light Level (Inf/Out)	Target Light Level (Inf/Out)	Uniformity Infield	Uniformity Outfield	Grid Spacing	Grid Points (Infield / Outfield)
60' Base Path	200'	30/20 fc	50/30 fc	2.0:1	2.5:1	20' x 20'	25/73
60' Base Path	225'	30/20 fc	50/30 fc	2.0:1	2.5:1	20' x 20'	25/96
60' Base Path	250'	30/20 fc	50/30 fc	2.0:1	2.5:1	20' x 20'	25/119
60' Base Path	300'	30/20 fc	50/30 fc	2.0:1	2.5:1	20' x 20'	25/181
60' Base Path	320'	30/20 fc	50/30 fc	2.0:1	2.5:1	20' x 20'	25/209
90' Base Path	300'	50/30 fc	70/50 fc	2.0:1	2.5:1	30' x 30'	25/73
90' Base Path	325'	50/30 fc	70/50 fc	2.0:1	2.5:1	30' x 30'	25/90
90' Base Path	350'	50/30 fc	70/50 fc	2.0:1	2.5:1	30' x 30'	25/106
90' Base Path	320/360/320	50/30 fc	70/50 fc	2.0:1	2.5:1	30' x 30'	25/100
90' Base Path	330/400/330	50/30 fc	70/50 fc	2.0:1	2.5:1	30' x 30'	25/121

Tennis – Standard pole locations are 6' beyond the serving line and 3' outside the fence.

# Courts	Target Light Level	Uniformity
2	50 fc	2.0:1
3	50 fc	2.0:1
4	50 fc	2.0:1
6	50 fc	2.0:1

Basketball - Outdoor - Standard pole locations are 6' beyond the end line and 6' beyond the sideline of the outer court.

# Courts	Target Light Level	Uniformity
2	50 fc	2.0:1

Basketball - Indoor - Lighting shall be provided utilizing LED luminaires

# Courts	Target Light Level	Uniformity
94' x 50'	80 fc	2.0:1

Parking Lots - Lighting shall be provided utilizing LED luminaires*

Parking lot	Total Square Feet	Target Average Light Level	Uniformity
320' x 200'	64,000	1 fc	N/A

*Pricing for alternate size parking lots may be determined by calculating a cost per square foot of the base size parking area and utilizing this cost to a different size area.

C. Point by Point Analysis

i. Measurements of light shall be demonstrated on computer generated model that consists of a grid of specified number of points covering a stated area on an equally spaced grid. See the below chart for the exact specifications of points, areas, and grid spacing each field.

ii. Light Level and Uniformity Ratio shall be calculated and shown on the computer generated model. The Light Levels and Uniformities must meet or exceed the defined criteria.

Computer Models - Test Stations

Area of Lighting	Size of Area to be Covered	Grid Spacing
Football	Entire Field	30' x 30'
Soccer	Entire Field	30' x 30'
Baseball	Entire Field	30' x 30'
Softball	Entire Field	20' x 20'
Tennis Courts 1 – 6	Entire Court	20' x 20'
Basketball Courts 2	Entire Court	20' x 20'
Basketball – indoor	Entire Court	10' x 10'
Parking Lot	Entire area (320'x200')	4' x 4'

D. Spill/Glare Equipment

i. Light Control Luminaires: All luminaires shall utilize spill light and glare control devices including, but no limited to, internal shields, louvers and external shields. No symmetrical beam patterns are accepted.

ii. Glare Control: Maximum candela measured at 5' above grade at a distance of 150' should be better than that of a comparable HID design. These values are defined for typical sports fields listed below.*

Typical Field Type	Maximum Candela at 150'
Baseball	≤7,000 candela
Softball	≤7,000 candela
Football	≤7,000 candela
Soccer	≤7,000 candela
Tennis	≤7,000 candela

*If the design of the project requires the pole setback to be greater than 70' from the edge of the field, the candela value at 150' may exceed the value stated in the above chart.

Part 2 – Product

A. Sports Lighting System Construction

i. System Description – Light-Structure System™ shall consist of the following.

a. Galvanized steel poles and cross-arm assembly. No direct burial steel or inverted base-steel poles allowed.

1. The cross-arm mounting plate shall be attached to the cross-arm assembly at the factory.

b. Pre-engineered concrete base embedded in concrete backfill. Alternate may be an anchor bolt foundation designed such that the steel pole and any exposed steel portion of the foundation is located a minimum of 18 inches above final grade. The concrete for the anchor bolt foundations shall be allowed to cure for a minimum of 28 days before the pole stress is applied

c. All luminaires shall be constructed with a die cast aluminum housing to protect the luminaire reflector system. If manufacturer cannot provide die cast aluminum housing, external hail shrouds shall be required. Luminaires shall be complete with an external visor. The luminaire and visor should be powder coat painted to match the Electrical Component Enclosure.

d. Manufacturer must mount all drivers and supporting electrical equipment in aluminum enclosures mounted approximately 10' above grade. The enclosures shall be touch safe and include drivers and fusing with indicator lights on fuses to notify when a fuse is to be replaced for each luminaire. Safety disconnect per circuit for each pole structure will be located in the enclosure.

e. Manufacturer shall provide surge protection at the pole equal to or greater than 40 kA for each line to ground (common mode) as recommended by IEEE C62.41.2_2002.

f. Wire harness complete with an abrasion protection sleeve, strain relief and plug in connections for fast, trouble free installation.

g. All luminaires, visors, and cross-arm assemblies shall withstand 150 mph winds and maintain luminaire aiming alignment.

h. Control cabinet to provide remote on-off control and monitoring of the lighting system.

i. Manufacturer must supply a signed warranty covering the entire system (Light-Structure System™) for 25 years from the date of shipment.

ii. System Description – SportsCluster® System (existing structures) shall consist for the following:

a. Galvanized cross-arm assembly for attachment to existing structures

1. The cross-arm mounting plate shall be attached to the cross-arm assembly at the factory

b. All luminaires shall be constructed with a die cast aluminum housing to protect the luminaire reflector system. If manufacturer cannot provide die cast aluminum housing, external hail shrouds shall be required. Luminaires shall be complete with an external visor. The luminaire and visor should be powder coat painted to match the Electrical Component Enclosure.

c. Manufacturer must mount all drivers and supporting electrical equipment in aluminum enclosures mounted approximately 10' above grade. The enclosures shall be touch safe and include drivers and fusing with indicator lights on fuses to notify when a fuse is to be replaced for each luminaire. Safety disconnect per circuit for each pole structure will be located in the enclosure.
d. Wire harness complete with an abrasion protection sleeve, strain relief and plug in connections for fast, trouble free installation.
e. All luminaires, visors, and cross-arm assemblies shall withstand 150 mph winds and maintain luminaire aiming alignment.
f. Control cabinet to provide remote on-off control and monitoring of the lighting system.
g. Product assurance and warranty program is contingent upon site inspection and compatibility with existing structures.
h. Manufacturer must supply a signed warranty covering the entire system (SportsCluster® System) for 10 years from the date of shipment.

iii. Manufacturing Requirements
a. All components shall be designed and manufactured as a system. All luminaires, wire harness, drivers and other enclosures shall be factory assembled, aimed, wired and tested.

iv. Durability
a. All exposed components shall be constructed of corrosion resistant material and/or coated to help prevent corrosion. All exposed steel shall be hot dip galvanized per ASTM A123. All exposed hardware and fasteners shall be stainless steel of at least 18-8 grade, passivated and polymer coated to prevent possible galvanic corrosion to adjoining metals. All exposed aluminum shall be powder coated with high performance polyester. All exterior reflective inserts shall be anodized, coated with a clear, high gloss, durable fluorocarbon, and protected from direct environmental exposure to prevent reflective degradation or corrosion. All wiring shall be enclosed within the cross-arms, pole, or electrical components enclosure.

v. Lightning Protection
a. Manufacturer shall supply and equip all structures with lightning protection meeting NFPA 780 standards. Manufacture shall integrate the required grounding electrode into the structure. System shall be UL listed.
b. If grounding is NOT integrated into the structure the Manufacturer shall supply an electrode of not less than 5/8" in diameter and 8' in length, with a minimum of 10' embedment. Grounding electrode shall be connected to the structure by a grounding electrode conductor with a minimum size of 2 AWG for poles with 75 feet mounting height or less, and 2/0 AWG for poles with more than a 75 feet mounting height.

vi. Safety
a. All safety components shall be UL listed for the appropriate application.

vii. Electric Power Requirements for sports lighting equipment
a. Maximum total voltage drop to the disconnect switch located on the poles shall not exceed 3% of rated voltage. Voltage/Phase to be determined for each specific site.

viii. Building Code

a. The base bid of the lighting system must comply with Florida Building Code Edition 2017, Exposure C, Standard Variation with a wind speed of 130 mph.

ix. Structural Design

a. The stress analysis and safety factor of the poles shall conform to AASHTO 2013 (LTS-6) Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals.

x. Soil Conditions

a. The design criteria for these specifications are based on soil design parameters that shall meet or exceed those of a Class 5 material as defined by 2017 FBC, Table 1806.2. It shall be the installing contractor's (or manufacturer's) responsibility to notify the owner of soil conditions other than the design criteria. The owner shall then be responsible and absorb the additional costs associated with:

1. Engineered foundation embedment design by a registered engineer in the State of Florida
2. Additional materials and/or services required to achieve alternate foundation
3. Geotechnical report

xi. Foundation Drawings

a. Project specific foundation drawings stamped by a registered engineer in the State of Florida. The drawings shall be available to the owner at the time of permit. The foundation drawings must list the moment, shear (horizontal) force, and axial (vertical) force at ground level for each pole.

B. Control and Monitoring

i. Instant On/Off Capabilities

a. System shall provide for instant on/off of luminaires.

ii. Lighting contactor cabinet(s)

a. Constructed of NEMA Type 4 aluminum, designed for easy installation with contactors, labeled to match field diagrams and electrical design.
b. Manual off-on-auto selector switches shall be provided

iii. Optional Dimming

a. System shall provide for "High, Medium, Low" or "High/Low" dimming.
b. System shall include key activated switches to allow for automated dimming control or manual override.

iv. Remote Lighting Control System

a. System shall allow owner and users with a security code to schedule on/off system operation via web site, phone, fax or email up to 10 years in advance.
b. Manufacturer shall provide and maintain two-way TCP/IP communication link.
c. Trained staff shall be available 24/7 to provide scheduling support and assist with reporting needs.

d. The owner may assign various security levels to schedulers by function and/or fields. This function must be flexible to allow a range of privileges such as a full scheduling capabilities for all fields to only having permission to execute "early off" commands by phone. Scheduling tool shall be capable of setting curfew limits.
e. Controller shall accept and store 7 day schedules, be protected against memory loss during power outages, and shall reboot once power is regained and execute any commands that would have occurred during power outage.

v. Remote Monitoring System
   a. System shall monitor lighting performance and notify manufacturer if individual luminaire outage is detected so that appropriate maintenance can be scheduled.
   b. The controller shall determine switch position (manual or auto) and contactor status (open or closed).

vi. Management Tools
   a. Manufacturer shall provide a web based database and dashboard tool of actual field usage and provide reports by facility and user group.
      1. Dashboard shall also show current status of luminaire outages, control operation an service
      2. Mobile application will be provided suitable for IOS, Android and Blackberry devices.
   b. Hours of Usage
      1. Manufacturer shall provide a means of tracking actual hours of usage for the field lighting system that is readily accessible to the owner.
         a. Cumulative hours shall be tracked to show the total hours used by the facility.
         b. Report hours saved by using early off and push buttons by users.
   c. Communication Cost
      1. Manufacturer shall include communication cost for the operating of the control and monitoring system for a period of 25 years.

vii. Warranty
   a. 25 Year Warranty (Light-Structure System™)
      1. Manufacturer shall supply a signed warranty covering the entire system for 25 years from the date of shipment.
      2. Warranty shall guarantee specified target light levels.
      3. Manufacturer shall maintain specifically-funded financial reserves to assure fulfillment of the warranty for the full term.
      4. Warranty does not cover weather conditions events such as lightning or hail damage, improper installation, vandalism or abuse, unauthorized repairs or alterations, or product made by other manufacturers
   b. 10 Year Warranty (SportsCluster® System)
      1. Manufacturer shall supply a signed warranty covering the entire system of 10 years from the date of shipment.
      2. Warranty shall guarantee specified target light levels.
      3. Manufacturer shall maintain specifically-funded financial reserves to assure fulfillment of the warranty for the full term
      4. Warranty does not cover weather conditions events such as lightning or hail damage, improper installation, vandalism or abuse, unauthorized repairs or alterations, or product made by other manufacturers
      5. Constant 10™ warranty is contingent upon a site inspection

c. Maintenance

1. Manufacturer shall monitor the performance of the lighting system, including on/off status, hours of usage and luminaire outage for the life of the warranty (date of equipment shipment).
2. Parts and labor shall be covered such that individual luminaire outages will be repaired when the usage of any field is materially impacted.
3. Owner agrees to check fuses in the event of a luminaire outage.

d. Exclusions

1. Maintenance, repair or replacement necessitated by loss or damage resulting from any external causes such as, but not limited to, theft, environmental conditions, negligence, misuse, abuse, improper electrical/power supply, unauthorized repairs by third parties, attachments, damage to cabinetry, equipment modifications, vandalism, animal or insect infestation, physical damage to covered products parts or components, or acts of God/nature (including, but not limited to: earthquake, flood, tornadoes, typhoons, hurricanes and lightning).
2. It is the customer's responsibility to check and change fusing.

e. Manufacturer shall have in place, the personnel, procedures and processes to implement and execute the warranty as detailed in this section of the specification.

viii. Inspection and Verification

a. The lighting manufacturer shall guarantee illumination light levels for the life of the warranty.

1. Field measurements shall be done per IESNA RP-6-15 recommendations.
2. Failure to achieve the required results will require individual luminaire re-aiming and re-measurements at the expense of the manufacturer.

Part 3 – Installation (pole construction, pole removal and relight)

A. Pole Installation

i. Provide pricing for labor to install owner furnished poles & fixtures. Price will include unloading of the equipment upon arrival to job site, excavation of holes, assembly of the poles and luminaires, all wiring from the remote electric enclosures to the luminaires, proper grounding, installation of the pre-stressed foundations with concrete backfill, pole erection and aiming. Installation assumes standard soils of 2000 psf with no rock or abnormal collapsing holes.

B. Removal of existing poles or structures

i. Provide pricing for labor to take down existing poles, structures and fixtures and remove them to a staging area on the job site designated by the owner. Concrete and steel poles will be completely removed. Any pre-engineered concrete base will be cut – foundations will not be removed but cut and jack hammered to a foot below grade. Wood poles may be cut off 2 feet below grade, as long as the stumps are covered back with soil.

C. Installation of fixtures on existing poles

i. Provide pricing for labor to take down existing fixtures and remove them to a staging area on the job site designated by the owner. The cost will also include labor to install the new fixtures on the existing structure. Installation assumes that the pole structure and wiring will be sufficient to handle the new fixtures. Owner assumes all responsibility of structural integrity of existing poles.

D. Owner and Bidder responsibilities

i. Owner's responsibilities

a. Provide total access to the site and poles location for construction. Equipment must be able to move from location to location on standard rubber tires – no towing required.
b. Remove any trees, limbs, shrubs, etc. for total access to poles locations.
c. Survey in pole locations and aiming points (one per field) for sighting in lighting cross arms. Mark home plate, foul lines, and field boundary lines. Final grade elevations will also need to be marked if necessary.
d. Removal, replacement, and repair of all fencing necessary for construction.
e. Repair and replacement of any field turf, asphalt, curbs, and concrete inadvertently damaged during installation.
f. Provide area on site for disposal of spoils from foundation excavation.
g. Locate and mark existing underground utilities not covered by "One Call" and irrigation systems including sprinkler heads prior to excavation. Bidder will not responsible for repairs to unmarked utilities.
h. Pay for any power company fees and requirements, if necessary.
i. 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 2017 Edition of the Florida Building Code and can be excavated using standard earth auguring equipment.
j. Provide a source of water such as a fire hydrant or 2" water line for foundation excavation. Pay for any all fees associated with the water access and usage.
k. Pay for any and all permitting fees.

ii. Bidder's responsibilities

a. Provide required poles, fixtures, foundations and associated designs.
b. Provide structural design for poles and foundations, certified by a professional engineer licensed in the State of Florida
c. Provide layout of poles locations and aiming diagram
d. Provide light test upon completion of works, once owner-supplied electrical system is energized.
e. Provide review of electrical design as provided by Electrical Contractor or Electrical Engineer.
f. Provide bonding per the State of Florida requirements
g. Provide equipment and materials to off load equipment at job site per scheduled delivery.
h. Provide storage containers for material, including electrical enclosures
i. Provide adequate trash containers for cardboard waste and packing debris.
j. Provide adequate security to protect delivered products from theft, vandalism and damage during installation.
k. Obtain any and all required permits. Costs to be paid by Owner.
l. Make appropriate contact to ensure utility locations have been marked prior to excavation and trenching. Repair any damage to existing utilities made during construction.
m. Provide materials and equipment to install Musco's Light-Structure System™ foundations as specified on layout.
n. Remove augured spoils to owner designated location at job site.
o. Provide materials and equipment to assemble and install Musco's TLC for LED™ fixtures and terminate all necessary wiring
p Provide equipment and materials to assemble and erect Musco's Light-Structure System™ poles

Part 4 – Electrical Supply labor/equipment

A. Electrical Services

i. All services are to be quoted at 277/480 volt three phase. Base all service feeders on a length of 150 feet at burial depth of 36" with no obstructions in the path. Provide lump sum costs for equipment and labor to install each of the following four options.

a. Option A

1. 200 amp three phase meter can
2. 200 amp main circuit breaker N3R 42 circuit panel with 8 three pole 30 amp breakers
3. Service feeders. (4) 3/0 conductors in a 2 1/2" raceway. 150'
4. Build service rack out of 2" galvanized pipe with galvanized uni-strut to accommodate meter can, electrical panel and one lighting contractor cabinet sized at 72" high, 36" wide and 12" deep. The lighting contactor cabinet will be provided by the sports lighting manufacturer and installed.
5. Pull necessary permits

b. Option B

1. 400 amp three phase meter can
2. 400 amp main circuit breaker N3R 42 circuit panel with 8 three pole 60 amp breakers
3. Service feeders. (4) 500 mcm conductors in a 4" raceway. 150'
4. Build service rack out of 2" galvanized pipe with galvanized uni-strut to accommodate meter can, electrical panel and one lighting contractor cabinet sized at 72" high, 36" wide and 12" deep. The lighting contactor cabinet will be provided by the sports lighting manufacturer and installed.
5. Pull necessary permits

c. Option C

1. 600 amp three phase meter can
2. 600 amp main circuit breaker N3R 42 circuit panel with 12 three pole 60 amp breakers
3. Service feeders. (2) 4" raceways with (4) 300 MCM conductors in a 4" raceway. 150'
4. Build service rack out of 3" galvanized pipe with galvanized uni-strut to accommodate meter can, electrical panel and one lighting contractor cabinet sized at 72" high, 36" wide and 12" deep. The lighting contactor cabinet will be provided by the sports lighting manufacturer and installed.
5. Pull necessary permits

d. Option C

1. 800 amp three phase CT enclosure
2. 800 amp three phase CT meter can
3. 800 amp main circuit breaker N3R 42 circuit panel with 12 three pole 80 amp breakers
4. Service feeders (2) 4" raceways with (4) 500 mcm conductors in each raceway. 150'
5. Build service rack out of 3" galvanized pipe with galvanized uni-strut to accommodate meter can, CT enclosure, electrical panel and one lighting contractor cabinet sized at 72" high, 36" wide and 12" deep. The lighting contactor cabinet will be provided by the sports lighting manufacturer and installed.
6. Grounding per NEC and local building codes
7. Pull necessary permits

ii. Conduit, pull boxes and conductors

a. Provide equipment and labor to install conduit, pull boxes and conductors. All installations are to be in PVC schedule 40 pipe at a burial depth of 36" with twin conductors.

iii. Lightning protection

a. Surge Arrestors: UL labeled and rated for 277/480 V, 3 phase, 4 wire, as manufactured by Erico (TDX-50) or equal and shall be attached to the bottom of the remote electrical enclosure and/or on line side of main electrical panel.

C. Forms

CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY) 02/21/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Aon Risk Services Central, Inc.
Omaha NE Office
11213 Davenport
Suite 201
Omaha NE 68154 USA

CONTACT NAME:
PHONE (A/C. No. Ext): (402) 697-1400 FAX (A/C. No.): (402) 697-0017
E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A:	Sentry Insurance A Mutual Company	24988
INSURER B:	Sentry Casualty Company	28460
INSURER C:	Travelers Property Cas Co of America	25674
INSURER D:	Nautilus Insurance Company	17370
INSURER E:		
INSURER F:		

INSURED
Musco Sports Lighting, LLC
c/o Musco Corporation
100 1st Ave W
Oskaloosa IA 52577 USA

COVERAGES CERTIFICATE NUMBER: 570075125463 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. Limits shown are as requested

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY			901687704	07/01/2018	07/01/2019	EACH OCCURRENCE	$1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$300,000
							MED EXP (Any one person)	$10,000
							PERSONAL & ADV INJURY	$1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$2,000,000
	POLICY X PRO-JECT X LOC						PRODUCTS - COMP/OP AGG	$2,000,000
	OTHER:							
A	AUTOMOBILE LIABILITY			901687703	07/01/2018	07/01/2019	COMBINED SINGLE LIMIT (Ea accident)	$1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	
	X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	
C	X UMBRELLA LIAB X OCCUR			ZUP61M9917718NF	07/01/2018	07/01/2019	EACH OCCURRENCE	$25,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$25,000,000
	DED X RETENTION $10,000							
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			901687701	07/01/2018	07/01/2019	X PER STATUTE OTH-ER	
	ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N N N/A						E.L. EACH ACCIDENT	$1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE-EA EMPLOYEE	$1,000,000
							E.L. DISEASE-POLICY LIMIT	$1,000,000
D	Archit&Eng Prof			PCADN50044250718 SIR applies per policy terms & conditions	07/01/2018	07/01/2019	Archi&Eng Prof	$5,000,000
							SIR/Deductible	$250,000
							Aggregate	$5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: RFP # 18/19-2, Various Equipment and Amenities for Parks and Playgrounds.
The Clay County, a political subdivision of the State of Florida, the Board of County Commissioners, Clay County, Florida and all public agencies of Clay County, as their interests may appear are included as Additional Insured in accordance with the policy provisions of the General Liability policy.

CERTIFICATE HOLDER

Clay County Purchasing Division
P.O. Box 1366
Green Cove Springs FL 32043-1366 USA

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Holder Identifier :

Certificate No : 570075125463

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RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY

Florida dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

ELECTRICAL CONTRACTORS LICENSING BOARD

THE ELECTRICAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES
Additional Business Qualification

FLESNER, MARK J

MUSCO SPORTS LIGHTING, LLC.
1601 TH AVENUE EAST
OSKALOOSA IA 52577

LICENSE NUMBER: ECA000891

EXPIRATION DATE: AUGUST 31, 2020

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

ELECTRICAL CONTRACTORS LICENSING BOARD
2601 BLAIR STONE ROAD
TALLAHASSEE FL 32399-0783

(850) 487-1395

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto www.myfloridalicense.com. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!

STATE OF FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

ECA000891 ISSUED: 07/03/2018
ELECTRICAL CONTRACTOR
FLESNER, MARK J
MUSCO SPORTS LIGHTING, LLC.

Signature
LICENSED UNDER CHAPTER 489, FLORIDA STATUTES
EXPIRATION DATE: AUGUST 31, 2020

State of Florida
Department of State

I certify from the records of this office that MUSCO SPORTS LIGHTING, LLC is an Iowa limited liability company authorized to transact business in the State of Florida, qualified on February 6, 2001.

The document number of this limited liability company is M01000000298.

I further certify that said limited liability company has paid all fees due this office through December 31, 2018, that its most recent annual report was filed on April 11, 2018, and that its status is active.

I further certify that said limited liability company has not filed a Certificate of Withdrawal.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Twentieth day of February, 2019

Secretary of State

Tracking Number: 3388524494CU

To authenticate this certificate,visit the following site,enter this number, and then follow the instructions displayed.

https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication

Form **W-9**
(Rev. October 2018)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

▶ Go to *www.irs.gov/FormW9* for instructions and the latest information.

Give Form to the requester. Do not send to the IRS.

Print or type. See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.
Musco Corporation

2 Business name/disregarded entity name, if different from above
Musco Sports Lighting, LLC

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.

☐ Individual/sole proprietor or single-member LLC ☐ C Corporation ☑ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) 5

Exemption from FATCA reporting code (if any)

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.
100 1st Ave West; PO Box 808

Requester's name and address (optional)

6 City, state, and ZIP code
Oskaloosa IA 52577

7 List account number(s) here (optional)

FEIN for item 2 is 42-1511754

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number
☐☐☐ - ☐☐ - ☐☐☐☐

or

Employer identification number
4 2 - 1 1 0 7 4 5 2

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here Signature of U.S. person ▶ Debra K. Blunt Date ▶ 11-13-2018

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to *www.irs.gov/FormW9*.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, *later.*

D. Florida References

Florida References

City of Fernandina Beach
Jason Brown – Parks & Recreation Supervisor
Phone: 904-753-0394
Email: jbrown@fbfl.org

Florida State University
Bernie Waxman – Athletic Director
Phone: 850-644-9940
Email: bwaxman@fsu.edu

RR Simmons
Brent Kitchiner – Vice President
Phone: 813-632-1200
Email: brentkitchiner@rrsimmons.com

City of Cooper City
Tim Fleming – Public Works Superintendent
Phone: 954-434-2300
Email: tfleming@coopercityfl.org

City of Sunrise
Steve Kane – Director
Phone: 954-747-4633
Email: skane@sunrisefl.gov

St Lucie County
Ed Matthews - Director
Phone: 772-462-1521
Email: matthewse@stlucieco.org

Project Installations: Florida*

Baseball

Davis Park
Ponte Vedra Beach, Florida

Deltona Manny Rodriguez Ballfield LED
Deltona, Florida

ESPN Wide World of Sports Complex
Spring training home of the Atlanta Braves
Osceola County, Florida

FIT Baseball and Soccer
Melbourne, Florida

Florida International University** LED
Miami, Florida

Hammond Stadium
Spring training home of the
Minnesota Twins
Ft. Myers, Florida

Jet Blue Stadium
Spring training home of the
Boston Red Socks
Ft. Myers, Florida

Joker Marchant Stadium
Spring training home of the Detroit Tigers
Lakeland, Florida

McKechnie Field
Spring training home of the
Pittsburgh Pirates
Bradenton, Florida

Roger Dean Stadium
Spring training home of the
St. Louis Cardinals & Miami Marlins
Jupiter, Florida

Virginia Gardens Park LED
Virginia Gardens, Florida

Softball

Historic Dodger Town Softball
Vero Beach, Florida

LSCC Softball Complex
Clermont, Florida

Soldiers Creek Park LED
Longwood, Florida

17th Street Park Softball
Sarasota, Florida

555 Softball Complex
Bartow, Florida

Soccer

Austin Tindell Park
Osceola, Florida

Countess De Hoernle Park Soccer
Boca Raton, Florida

Fernandina Beach Soccer** LED
Fernandina, Florida

Lake Myrtle Park Soccer
Auburndale, Florida

Lakewood Ranch LED
Bradenton, Florida

Wellfield Park LED
Venice, Florida

Multi-Facilities

Brevard County Parks
Brevard County, Florida

Brian Piccolo Park
Broward County, Florida

Broward County Public Schools
Broward County, Florida

City of Key West Parks
Key West, Florida

City of Miramar Parks
Miramar, Florida

City of Pembroke Pines Parks
Pembroke Pines, Florida

City of Wellington Parks
Wellington, Florida

City of Weston Parks
Weston, Florida

Collier County Parks
Collier County, Florida

Florida Atlantic University
Boca Raton, Florida

Florida State University
Tallahassee, Florida

Forest High School
Ocala, Florida

Indian River County Parks
Indian River County, Florida

Jupiter Community Parks
Jupiter, Florida

Loyce E. Harpe Park
Bartow, Florida

Martin County Parks
Martin County, Florida

Miami Dade County Parks
Miami Dade County, Florida

Pasco County Parks
Pasco County, Florida

Patch Reef Park
Boca Raton, Florida

Seminole County Sports Complex LED
Baseball / Softball / Batting Cages
Sanford, Florida, USA

Southwest Escambia Sports Complex
Pensacola, Florida

University of Florida
Gainesville, Florida

Viera Regional Park
Viera, Florida

Whispering Pines Park
Port St. Lucie, Florida

Tennis

Kennedy Community Park LED
Plantation, Florida

Shenandoah Park LED
Davie, Florida

Motor Sports

Daytona International Speedway
2.5-mile Superspeedway
Daytona Beach, Florida

Homestead-Miami Speedway
1.5-mile Speedway
Miami, Florida

Professional / Inter-Collegiate

Alfred A. McKethan Stadium
University of Florida
Gainesville, Florida

Ben Hill Griffin Stadium
University of Florida
Gainesville, Florida

Bright House Networks Stadium
University of Central Florida
Orlando, Florida

Doak Campbell Stadium
Florida State University
Tallahassee, Florida

Ed Smith Stadium MiLB
Sarasota, Florida

FIU Stadium
Florida International University
Miami, Florida

Florida Citrus Bowl Stadium
Orlando, Florida

Florida Gulf Coast University
Alico Arena LED
Fort Myers, Florida

Florida Gulf Coast University
Baseball, Soccer and Softball
Fort Myers, Florida

Miami Marlins Stadium
Home of the Miami Marlins
Miami, Florida

Raymond James Stadium
Home of the Tampa Bay Buccaneers
Tampa Bay, Florida

Stephen C. O'Connell Center
University of Florida
Gainesville, Florida

University of Central Florida
Football and Softball
Orlando, Florida

University of Florida Indoor Practice Facility LED
Gainesville, Florida

University of South Florida
Baseball, Soccer and Softball
Tampa, Florida

University of Tampa Lacrosse and Softball Field
Tampa, Florida

*Partial Listing

Musco Sports Lighting, LLC 2005, 2017 • M 1452 rev(US-7)

E. Musco Florida Key Contacts

Musco Sports Lighting, LLC

Corporate Office
100 1st Ave West
PO Box 808
Oskaloosa, Iowa 52577
Phone 800-825-6030

Manufacturing
2107 Stewart Road
Muscatine, Iowa 52761
Phone 800-756-1205

Federal Tax ID# 42-1511754

State of Florida Sales Tax ID# 78-8012353064-9

State of Florida Contractors License # ECA000891

Musco Sports Lighting, LLC Florida key contacts:

Following are the key contacts in the Musco organization that can be reached by calling the Musco offices at 1-800-825-6030. Musco's web site, www.musco.com, provides users the ability to locate their state's Musco Sales Representative with their contact information. All are qualified in ensuring the appropriate person(s) from Musco are involved in consulting, estimating, supervising, and managing.

Sales:
Southeast Regional Sales Manager: Mike Limpach (34 years with Musco)
Phone: 336-210-0757
Fax: 800-374-6402
Email: Mike.Limpach@musco.com

Florida Sales Representative: Danny Sheldon (18 years with Musco)
Phone: 352-665-0578
Fax: 800-374-6402
Email: Danny.Sheldon@musco.com

Florida Sales Representative: Bob DeCouto (19 years with Musco)
Phone: 407-421-5660
Fax: 800-374-6402
Email: Bob.DeCouto@musco.com

Florida Sales Representative: Jason Frucht (12 years with Musco)
Phone: 954-732-5678
Fax: 800-374-6402
Email: Jason.Frucht@musco.com

Florida Sales Representative: Tim Imhoff (29 years with Musco)
Phone: 954-629-8446
Fax: 800-374-6402
Email: Tim.Imhoff@musco.com

Florida Project Planning Specialist: Kalob Gist (1 year with Musco)
Phone: 800-825-6030
Fax: 866-930-6190
Email: Kalob.Gist@musco.com

Warranty:
Warranty Manager: Jason Thomes (12 years with Musco)
Phone: 877-347-3319
Fax: 888-397-8736
Email: warranty@musco.com

Maintenance:
Director of Services: Gary Gordon (25 years with Musco)
Phone: 800-825-6030
Fax: 888-397-8736
Email: warranty@musco.com

Other Support Services:
Control-Link Manager: Mike Mason (23 years with Musco)
Phone: 877-347-3319
Fax: 888-397-8736
Email: schedule@musco.com
Web site: www.control-link.com

Contract Administration:
Lead Development Manager: Ryan Tighe (14 years with Musco)
Phone: 800-825-6030
Fax: 641-672-1996
Email: Musco.Contracts@musco.com

Funding Resources Specialist: Amanda Hudnut (19 years with Musco)
Phone: 800-825-6030
Fax: 641-672-1996
Email: Musco.Contracts@musco.com

In-House Resources:
Musco has offices and manufacturing facilities in Oskaloosa, IA and Muscatine, IA. We have a workforce of approximately 1,000 Team Members located in these facilities and regional sales offices conveniently located around the United States of America (AZ, CA, CO, FL, IL, IN, MN, NJ, NC, OH, TX & VA). In addition, we have approximately 200 Team Members located outside the United States of America supporting our manufacturing facilities in Shanghai, China and Gumi, South Korea and multiple sales offices globally.

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RECEIVED
PURCHASING DIVISION

2019 MAR 14 AM 11:50

CLAY COUNTY BOARD OF
COMMISSIONERS

Clay County Purchasing Division
477 Houston Street
PO Box 1366
Green Cove Springs, FL 32043

Receipt for Bid #: 18/19-7
Company Name: MUSCO Lighting

Box

KYLE PINEGAR
(641) 673-0411
MUSCO LIGHTING
200 FIRST AVE WEST
OSKALOOSA IA 52577-3246

4 LBS

1 CF 1

DWT: 18,13,3

SHIP TO:
CALY COUNTY ADMINISTRATIVE BUILDING
(904) 278-3761
RECEPTION AREA
FOURTH FLOOR
477 HOUSTON STREET
GREEN COVE SPRINGS FL 32043

FL 322 8-20

UPS NEXT DAY AIR

1

TRACKING #: 1Z 540 121 01 4460 2303

BILLING: P/P

BILL REFERENCE: 3000-65800-000
SHIP DATE: 3-13-19

WS 21.0.23 Zebra ZP 450 00.0A 01/2010

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AND N7 0219

SUBJECT: PIGGYBACK CLAY COUNTY RFP #18/19-2 VARIOUS EQUIPMENT AND AMENITIES FOR 103RD STREET GO KART TRACK

BID #: PSC-0395-21

OPEN DATE: 03/19/2019

GENERAL GOVERNMENT AWARDS COMMITTEE

KIND AND BASIS OF CONTRACT: PIGGYBACK CONTRACT – INITIAL TERM OF THREE (3) YEARS BEGINNING JUNE 6, 2019 THROUGH JUNE 5, 2022

AGENCY: PARKS, RECREATION AND COMMUNITY SERVICES DEPARTMENT

BASIS OF AWARD: PIGGYBACK CLAY COUNTY RFP #18/19-2 VARIOUS EQUIPMENT AND AMENITIES FOR PARKS AND PLAYGROUNDS

NUMBER OF BIDS INVITED: ( ) NUMBER RECEIVED: ( ) OTHER ( )

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:
Recommend approval to PIGGYBACK CLAY COUNTY RFP #18/19-2 VARIOUS EQUIPMENT AND AMENITIES FOR PARKS AND PLAYGROUNDS, with MUSCO SPORTS LIGHTING, LLC for 103RD STREET GO KART TRACK. This is one-time purchase. The total requested expenditure not-to-exceed $494,000.00.

Funding for this award to be encumbered by account 32111.167101.565050.009045.00000000.00000.0000000, to be executed by formal contract through Office of General Counsel and process via purchase order(s)

ATTACHMENTS: Recommendation Memo; Risk Approval; State Contract; Vendor Quote

ANALYST: _____ RUBEN OLA

RESPECTFULLY SUBMITTED _____ GREGORY PEASE, CHIEF PROCUREMENT DIVISION

CONCURRENCE BY: Daryl Joseph, Director of Parks, Recreation and Community Services Department

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)

ACTION OF GGAC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING 3 MEMBERS DISAPPROVING 0 DATE: 5/27/2021

Teresa R. Eibeen _____ OTHER: _____

_____ _____

_____ _____

ACTION OF AWARDING AUTHORITY DATE 6/1/21

APPROVED ✓ _____ DISAPPROVED _____

OTHER _____

SIGNATURE OF AUTHENTICATION _____