SUBJECT: PIGGYBACK CLAY COUNTY RFP #18/19-2 VARIOUS EQUIPMENT AND AMENITIES FOR JUSTINA PARK RELIGHT AND PARKING

BID #: PSC-0508-20 **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 Justina Park Relight and Parking. This is one-time purchase. The total requested expenditure not-to-exceed $254,000.00.

Funding for this award to be encumbered by account ERCD1A1 08301C PROJ 005935 Grant PDC00120.11101.174103.583052.009087, 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: _____ **RESPECTFULLY SUBMITTED** _____
RUBEN OLA
GREGORY PEASE, CHIEF
PROCUREMENT DIVISION

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

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(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) 255-7919
www.coj.net

ONE CITY. ONE JACKSONVILLE.

August 6, 2020

MEMORANDUM

TO: Greg Pease, Chief
Procurement Division

FROM: Jill Enz, Chief
Natural and Marine Resources Division

RE: **Request to Piggyback Clay County Bid #18/19-2 Various Equipment & Amenities for Justina Park Relight and Parking**

The Clay County Florida Bid #18/19-2 for "Various Equipment & Amenities for Parks and Playgrounds" was competitively bid and awarded to multiple companies for the initial term of three years from January 29, 2014 to February 11th, 2017. The award has been renewed twice from June 6, 2019 to June 5, 2022.

The Parks, Recreation and Community Services Department requests approval to piggyback service under the Clay County Florida Bid #18/19-2:

Justina Park	Musco Lighting	$254,000.00

Total funding for this project will be encumbered by:

ERCD1A1 08301C Proj 005935 Grant PDC00120. 11101.174103.583052.009087.00000000.00000

Musco Lighting has current contracts for the scope of services in question with a public entity, Clay County Bid #18/9-2 which the contract was competitively procured. The terms and conditions of the contracts are realized in the scope provided by the distributor.

The Department has reviewed for compliance the referenced project. We respectfully request and recommend award for the park as listed. The purchases will be made via purchase order.

JE/ah

Quote

Justina Park Relight and Parking
Date: August 3, 2020
To: Jill Enz
Pricing Per Clay County Contract RFP#18/19-2
Project #206575

Quotation Price – Musco Equipment and Installation per M Gay Scope of Work

Musco's Light Structure TLC for LED lighting system as described below and delivered to the job site:
(See Contract Pricing Breakdown Below)

Justina Park Relight.....$254,000
(1) Multi-purpose Field and (3) Parking Lot Poles

Equipment Description

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

- Pre-cast concrete bases
- Galvanized steel poles
- Electrical component enclosures
- Pole length wire harness
- Factory-aimed and assembled TLC LED luminaires
- Musco Lighting Contactor Cabinet and Control Link
- Musco TLC LED for Parking Lot pole (P1-P3)

Also Includes:

- Energy savings of more than 50% over a standard lighting system
- 50% less spill and glare light than Musco's prior industry leading technology
- Musco Constant 25™ product assurance and warranty program that eliminates 100% of your maintenance costs for 25 years, including labor and materials
- Guaranteed constant light levels for 25 years (20 footcandles)
- Lighting Contactors sized for voltage and phase at jobsite

Field Description	Quantity	Pricing Per Clay	Extended Price
(Sect I) Soccer Field – 360'x225' 50' setback	1	$179,500	$179,500
(Sect I) Other Applications – Parking Fixtures	3	$3,500	$10,500
(Sect III) Pole Installation 80'	4	$6,450	$25,800
(Sect III) Removal Concrete Poles	4	$4,600	$18,400
(Sect III) Removal Wood Poles	5	$1,750	$8,750
(Sect III) Installation of Fixture on Existing Poles (Parking)	3	$6,000	$18,000
(Sect IV) Service Options – 200 Amp	2	$12,650	$25,300
(Sect IV) Copper Conductors - #10	4	$5,400	$21,600
(Sect IV) Installation of Contactor Cabinets – 48"	1	$5,750	$5,750
Subtotal			$190,000
Deduct Design Parameters			$59,600

Total:			$254,000

Sales tax is not included as part of this quote.

Notes:

Quote is based on:

- Structural code and wind speed = FBC 2014, 130 MPH Standard Speed

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

Danny Sheldon
North Florida Sales Representative
Musco Sports Lighting, LLC
Phone: 352-665-0578 Fax: 800/374-6402
E-mail: danny.sheldon@musco.com

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY) 09/30/2020

APPROVED By WVerdejo at 2:43 pm, Sep 30, 2020

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).

Holder Identifier : N

PRODUCER
Aon Risk Services Central, Inc.
Omaha NE Office
17807 Burke Street
Suite 401
Omaha NE 68118 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:	Indian Harbor Insurance Company	36940
INSURER D:	Travelers Property Cas Co of America	25674
INSURER E:		
INSURER F:		

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

COVERAGES **CERTIFICATE NUMBER:** 570084189947 **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 CLAIMS-MADE / X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY / X PRO-JECT / X LOC OTHER:	Y	Y	901687704	07/01/2020	07/01/2021	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$1,000,000 $300,000 $10,000 $1,000,000 $2,000,000 $2,000,000
A	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY / SCHEDULED AUTOS X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY	Y	Y	90-16877-03	07/01/2020	07/01/2021	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$1,000,000
D	X UMBRELLA LIAB / X OCCUR EXCESS LIAB / CLAIMS-MADE DED / X RETENTION $10,000			ZUP61M9917720NF	07/01/2020	07/01/2021	EACH OCCURRENCE AGGREGATE	$15,000,000 $15,000,000
B B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	Y Y	901687701 AOS 901687702 AZ, WI	07/01/2020 07/01/2020	07/01/2021 07/01/2021	X PER STATUTE / OTH-ER E.L. EACH ACCIDENT E.L. DISEASE-EA EMPLOYEE E.L. DISEASE-POLICY LIMIT	$1,000,000 $1,000,000 $1,000,000
C	Archit&Eng Prof		Y	CEO7421139 Claims-Made SIR applies per policy terms & conditions	07/01/2020	07/01/2021	Aggregate SIR Each Claim	$5,000,000 $250,000 $5,000,000

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

RE: Musco Project No. 206575 - Justina Road Elementary Park. The City of Jacksonville, its members, officials, officers, employees and agents are included as Additional Insured in accordance with the policy provisions of the General Liability and Automobile Liability policies. General Liability, Automobile Liability and Professional Liability policies evidenced herein are Primary and Non-Contributory to other insurance available to an Additional Insured, but only in accordance with the policy's provisions. A Waiver of Subrogation is granted in favor of The City of Jacksonville, its members, officials, officers, employees and agents in accordance with the policy provisions of the General Liability, Automobile Liability, Professional Liability and Workers' Compensation policies.

Certificate No : 570084189947

CERTIFICATE HOLDER

City of Jacksonville
117 W. Duval Street, Ste. 335
Jacksonville FL 32202 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

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

NOTICE OF CANCELLATION - CERTIFICATE HOLDERS

This endorsement modifies the coverage provided under the following:

BUSINESSOWNERS COVERAGE FORM
COMMERCIAL AUTOMOBILE COVERAGE PARTS
COMMERCIAL PROPERTY COVERAGE PART
CRIME AND FIDELITY COVERAGE PART
COMMERCIAL INLAND MARINE COVERAGE PART
COMMERCIAL GENERAL LIABILITY COVERAGE PARTS
COMMERCIAL EXCESS/UMBRELLA LIABILITY COVERAGE FORM
EMPLOYMENT RELATED PRACTICES LIABILITY
POLLUTION LIABILITY COVERAGE
ERRORS AND OMISSIONS COVERAGE FORM

In the event we can cancel this policy, we shall endeavor to also mail to the person(s) or organization(s) listed in the Schedule for this endorsement, advance written notice of cancellation.

This notification of cancellation of the policy is intended as a courtesy only. Our failure to provide such notification to the person(s) or organization(s) shown in the Schedule will not extend any policy cancellation date nor impact or negate any cancellation of the policy. This endorsement does not entitle the person(s) or organization(s) listed or described in the Schedule below to any benefit, rights or protection under this policy.

Failure by us to provide this notice of cancellation to the person(s) or organization(s) listed or described in the Schedule below will not impose liability of any kind upon us.

Any of these provisions that conflict with a law that controls the notice of cancellation of the insurance in this endorsement is changed by this statement to comply with the law.

SCHEDULE

Person(s) or Organization(s) including mailing address:

PER LIST ON FILE WITH AGENT

30 DAY NOTICE OF CANCELLATION

All other terms and conditions of this policy remain unchanged.

IL 70 58 02 14

BOARD OF COUNTY COMMISSIONERS OF CLAY COUNTY, FLORIDA

NOTICE OF INTENT TO AWARD BID

RFP NO 18/19-2, Various Equipment and Amenities for Parks and Playgrounds

In accordance with the provisions of Section 8.N of the Clay County Purchasing Policy, notice is hereby given and posted of the decision of the Board of County Commissioners of Clay County, Florida (hereinafter the "Board") with respect to RFP No. 18/19-2, Various Equipment and Amenities for Parks and Playgrounds. Responses to RFP No. 18/19-2 were opened on March 19, 2019. During its regular meeting on May 28, 2019, the Board rendered its decision to award RFP No. 18/19-2 to multiple companies. This notice of intent to award bid is the official notification regarding said selection. The decision of the Board is final subject to 72 hour period for protest. Failure to file a protest within the time prescribed in Section 8.N of the Clay County Purchasing Policies shall constitute a waiver of proceedings under Section 8.N Bid Awards and Protests.

Lorin L. Mock
Acting County Manager

Date of Posting:	Date of Removal:
5/29/19	6/3/19
Time of Posting:	Time of Removal:
8:45 a.m.	8:47 a.m.
Initials:	Initials:
D F	D F

Agenda Item
Clay County Board of County Commissioners

Clay County Administration Building
Tuesday, May 21 3:00 PM

TO: Finance and Audit Committee

DATE: 5/1/2019

FROM: Karen Thomas, Administrative & Contractual Services

SUBJECT:
Approval to post notice of intent and to award RFP No. 18/19-2, Various Equipment and Amenities for Parks and Playgrounds, to multiple companies for a term of three years. All bids are based upon the % discount offered for products and service. This bid is also a means for qualifying vendors for Ball Park lighting services. Qualifying vendors will be requested to provide pricing on a project by project basis based on discount pricing. Approval will be effective after 72 hour bid protest period has expired. Submittals are available for review in the Purchasing Department. Funding Source: 001-3201-546100 (General Fund - Parks & Rec - Repairs & Maint) (J. Householder)

AGENDA ITEM TYPE:

BACKGROUND INFORMATION:
Bid provides playground equipment, amenities and lighting for all parks in Clay County as needed and other entities wishing to utilize this RFP. Pricing will be utilized for repairing, adding additional equipment, and new park projects

Is Funding Required (Yes/No):
Yes

If Yes, Was the item budgeted (Yes\No\N/A):
Yes

Funding Source: General Fund / Parks & Recreation / Repairs and Maintenance
Account # 001-3201-546100 Amount - Varies by project

Sole Source (Yes\No):
No

Advanced Payment (Yes\No):
No

ATTACHMENTS:

Description

- RFP #18_19-2, Various Equipment and Amenities for Parks and Playgrounds

REVIEWERS

Department	Reviewer	Action	Date	Comments
Administrative and Contractural Services	Thomas, Karen	Approved	5/16/2019 - 2:12 PM	
County Manager	Slaybaugh, Jaclyn	Approved	5/17/2019 - 3:28 PM	

SURFACING							
Distributor	Manufacturer	Surfacing	Discount Allowed from MRSP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Bliss Products (904) 751-0830 dewitt@blissproducts.com	Dura Play	Safety Surface Systems	5%	Priced Per Job	Yes	Request Quote	In Catalog
	Fibar	Playground Safety Surfaces	10%	Priced Per Job	Yes	Request Quote	On Website
	First Coast Mulch	Mulch, Erosion Control	5%	Priced Per Job	www.firstcoastmulch.com	Request Quote	On Website
	Forestry Resources	Mulches, Sod, Fertilizer, Sod	5%	Priced Per Job	www.gomulch.com	Request Quote	On Website
	Innovative Mulching	Mulch	10%	Priced Per Job	www.innovativemulching.com	Request Quote	On Website
	PlayGuard	Surfacing for Patios, Playgrounds, Play Spaces	5%	Priced Per Job	www.playguardsurfacing.com	Request Quote	On Website
	Playsafe Surfacing	Rubber Surface for playgrounds, play spaces	5%	Priced Per Job	Yes	Request Quote	On Website
	Premier Tennis Courts	Tennis Court Surfacing	5%	Priced Per Job	No Website	Request Quote	No Website
	Rubber Recycling/Playsafer	Recylced Rubber Mulch, Map	5%	Priced Per Job	Yes	Request Quote	On Website
	Sand Lock Sandbox	Sandboxes, Accessories, covers	5%	Priced Per Job	www.sandlock.com	Request Quote	On Website
	Shaw Industries	Carpet, Hardwood, Tile ect	5%	Priced Per Job	www.shawfloors.com	Request Quote	On Website
	Stewart Tennis Courts	Tennis, Bocce, Basketball, Shuffleboard Courts	Priced Per Job	Priced Per Job	www.stewarttennis.com	Request Quote	On Website
	Wood Mulch Products	Mulch	5%	Priced Per Job	www.woodmulchproducts.com	Request Quote	On Website

	Tennis Unlimited	Tennis Court Sufacing	Priced per job	Priced Per Job	N/A	Request Quote	On Website
	X-Grass	Syntheitc Turf	5%	Priced Per Job	Yes	Request Quote	On Website
Advanced Recreational Concepts (321) 775-0600 info@arcflorida.com	**Manufacturer**	**Product**	**Discount Allowed from MSRP**	**Installation Discount**	**Catalog Provided**	**Current MSRP List Supplied**	**Warranty**
	Rubber Designs	Rubber Surface for playgrounds, play spaces	5%	5%	Yes	Digital Copy	Digital Copy
	Boiling Forest Mulch 4 You and Inovative	Mulch	5%	75%	No	Digital Copy	Digital Copy
	Polysoft Surfacing	Recreation Surfacing	2%	75%	Yes	Digital Copy	Digital Copy
	Playspace Services	Installation Services	N/A	Per Discount Catalog	Yes	Digital Copy	Digital Copy
Miracle Recreation/True North (407) 883-8463	**Manufacturer**	**Product**	**Discount Allowed from MSRP**	**Installation Discount**	**Catalog Provided**	**Current MSRP List Supplied**	**Warranty**
	No Fault	Rubber Surface for playgrounds, play	5%	Priced Per Job	Yes	Yes	Yes
	IMC-Nuplay	Rubber Mulch Nuggets	10%	Priced Per Job	www.imcoutdoorliving.com	Yes	Yes
Swartz Associates (813)-949-2288 mail@ParkPlayUSA.com	**Manufacturer**	**Product**	**Discount Allowed from MSRP**	**Installation Discount**	**Catalog Provided**	**Current MSRP List Supplied**	**Warranty**
	Cowart Mulch	Engineered Wood Mulch	10%	60%	Flyer	Attached to Flyer	Yes
	International Mulch Co	Recylced Rubber Mulch,	6%	50%	Flyer	Attached to Flyer	Yes
	USA Mulch	Natural Mulch	10%	60%	Flyer	Attached to Flyer	Yes
	Manufacturer	**Product**	**Discount Allowed from MSRP**	**Installation Discount**	**Catalog Provided**	**Current MSRP List Supplied**	**Warranty**

Playmore West, Inc (239) 791-2400 info@playmoreonline.com	Playmore Surfacing	Wood, Rubber Mulch	5%	varies-see price list	Flyer	Included in Flyer	Yes
Robertson Industries, Inc/Totturf Safety Surfacing (954) 882-1366 ghaab@totturf.com	**Manufacturer**	**Product**	**Discount Allowed from MSRP**	**Installation Discount**	**Catalog Provided**	**Current MSRP List Supplied**	**Warranty**
	Robertson Industries	Turf, Rubber Tiles, Aquatic Surfacing	10%	Included in Discount	Yes	Yes	Yes
Playspace Services (321) 775-0600 info@playspaceservices.com	**Manufacturer**	**Product**	**Discount Allowed from MSRP**	**Installation Discount**	**Catalog Provided**	**Current MSRP List Supplied**	**Warranty**
	Boiling Forest Mulch 4 You and Inovative Mulch	Mulch Installation	N/A	75%	Digital Copy	Digital Copy	Digital Copy
	Polysoft Surfacing	Recreation Surfacing Installation	N/A	75%	Digital Copy	Digital Copy	Digital Copy
	Play Space Services	Surfacing Installation	N/A	Per Discount Catalog	Yes	Yes	Yes
	Rubber Designs	Rubber Surface for playgrounds, play spaces Installation	5% or per discount catalog	5%	Digital Copy	Digital Copy	Digital Copy
Playworx Playsets LLC (386) 697-4426 Tracy@playworx.com	**Manufacturer**	**Product**	**Discount Allowed from MSRP**	**Installation Discount**	**Catalog Provided**	**Current MSRP List Supplied**	**Warranty**
	No Fault Safety Surfacing	Rubber Turf	2%	Included n SF Price	Flyer	No	Yes
	Shawgrass	Syntheitc Turf	2%	Included in SF Price	Flyer	No	Yes
	Manufacturer	**Product**	**Discount Allowed from MSRP**	**Installation Discount**	**Catalog Provided**	**Current MSRP List Supplied**	**Warranty**
	Vitriturf	Cushioned Flooring	2%	Included in SF Price	Yes	Yes	Yes

Rep Services, Inc (407) 831-9658 nathan@repservices.com	No Fault	Rubber Mulch, Synthetic Turf	2%	50%	Yes	Yes	Yes
	Irvine Wood Recovery	Engineered Wood Mulch	2%	50%	Flyer	Yes	Yes
	Robertson Recreatonal Surfaces	Rubber Synthetic Turf	2%	Included in SF Price	Flyer	Yes	Yes
	Forever Lawn	Playground Grass	2%	Included in SF Price	Flyer	Yes	Yes
Miller Recreation Equipment & Design (941) 792-4580 MRECFLA@TAMPABAY.RR.COM	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
	Fibar	Wear Mats, Acces Ramps, Engineered	5%	27%	Yes	No	Yes
	Foerverlawn	Sythetic Grass	5%	27%	www.foerverlawn.com	No	No
	No Fault	Playground and Athletic Surfaces	5%	N/A	Yes	No	No

SHELTERS, SHADES & STRUCTURES

Distributor	Manufacturer	Shelters, Shades, Structures	Discount Allowed from MRSP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Bliss Products (904) 751-0830 dewitt@blissproducts.com	Alterations & More	Fabrics for shade structues, canopies, and pads	5%	Priced Per Job	N/A	Request Quote	N/A
	CemRock	Artificial Environments	5%	Priced Per Job	www.cemrock.com	Request Quote	On Website
	G & A Manufacturing Inc.	Ramps, Stars, Gangways, Docks, Railings	5%	Priced Per Job	www.gamanufacturing.com	Request Quote	On Website
	Newsome Fence	Fencing	5%	Priced Per Job	www.newsomefence.com	Request Quote	On Website
	Outback Shelters	Shade Structures	5%	Priced Per Job	N/A	Yes	On Price Sheet
	RCP Shelters	Pavilions, Gazebos, Fabric Shades, Concessions	5%	Priced Per Job	www.rcpshelters.com	Request Quote	On Website
	Shade America	Canopies	10%	Priced Per Job	Yes	Request Quote	In Catolog
	Spiral Court King	Spiral Stairs	5%	Priced Per Job	www.spiralstarsofamerica.com	Request Quote	On Website
	Structural Wood Systems	Structural Glued Laminated Timber	5%	Priced Per Job	www.structuralwood.com	Request Quote	On Website
	Superior Shade	Umbrellas, Canopies, Sails	5%	Priced Per Job	Yes	Yes	In Catolog
	Superior Shelters	Shelters, Gazebos, Shades	5%	Priced Per Job	Yes	Yes	In Catolog
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Advanced Recreational Concepts (321) 775-0600 info@arcflorida.com	Superior Recreation Shades	Domes, Umbrellas, Shades	5%	49%	Yes	Digital Copy	Digital Copy
	UltraShade	Shade Canopies	5%	49%	Yes	Digital Copy	Digital Copy
	Icon Shleters	Shade Shelters, Entry Ways,	5%	69%	Yes	Digital Copy	Digital Copy
	Superior Shelters	Shelters, Gazebos, Shades	5%	69%	Yes	Digital Copy	Digital Copy
	Cedar Forest Products	Shelters, Bridges, Dugouts, Gazebos	5%	69%	Yes	Digital Copy	Digital Copy
	Playspace Services	Installation Services	N/A	Per Discount Catalog	Yes	Digital Copy	Digital Copy

	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Southern Recreation Inc (904) 387-4390 terry@southernrecreation.com	SRP Shades	Sails, Shades, Canopies	5%	30%	Yes	??	Yes
	SRP Shelters	Gazebos, Pavilions	5%	30%	Yes	??	Yes
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Miracle Recreation/True North (407) 883-8463 miracle@truenorthrecreation.com	USA Shade	Shades, Canopies	5%	N/A	Yes	Yes	Yes
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Custom Canopies, Inc (888) 776-3350 ext 1 chrs@customshadecanopies.com	Custom Canopies Inc.	Sails, Shades, Canopies	5%	Priced Per Job	Yes	Yes	Yes
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Playmore West, Inc (239) 791-2400 info@playmoreonline.com	USA Shade	Shade Canopies	5%	180%	Yes	In Catalog	Yes
	Classic Recreation Systems, Inc	Shelters,	5%	75%	Yes	In Catalog	Yes
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
RCP Shelters, Inc (772) 288-3600 info@rcpshelters.com	RCP Shelters	Pavilions, Gazebos, Fabric Shades, Concessions,	15%	175%	Yes	Yes	Yes
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Regal Contractors Inc (561) 906-7321 regalcontractorsinc@gmail.com	Shade Systems Inc	Installation of Shade Structures	N/A	100%	No	No	No
	Apollo Sunguard (Shade) Systems Inc	Installation of Shade Structures	N/A	110%	No	No	No
	RCP Shelters	Installation of Shade Structures	N/A	150%	No	No	No
	Poligon by Porter	Installation of Shade Structures	N/A	150%	No	No	No
	Ball Fabrics	Installation of Shade Structures	N/A	110%	No	No	No
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Top Line Recreation Inc. (386) 575-8359 info@toplinerec.com	Shade Systems Inc	Shades, Sails	5%	125%	Yes	In Catalog	In Catolog

	Americana Building Products	Gazebos, Walkway Covers, Roofs	5%	100%	Yes	In Catalog	In Catalog
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Playspace Services (321) 775-0600 info@playspaceservices.com	Cedar Forest Products	Shelters, Bridges, Dugouts, Gazebos Installation	5%	69%	Digital Copy	Digital Copy	Digital Copy
	SRP Shades	Sails, Shades, Canopies Installation	N/A	49%	Digital Copy	Digital Copy	Digital Copy
	Ultra Shades	Sails, Shades, Canopies Installation	N/A	49%	Digital Copy	Digital Copy	Digital Copy
	Icon Shleters	Shade Shelters, Entry Ways, Installation	N/A	69%	Digital Copy	Digital Copy	Digital Copy
	SRP Shelters	Gazebos, Pavilions Installation	N/A	69%	Digital Copy	Digital Copy	Digital Copy
Playworx Playsets LLC (386) 697-4426 Tracy@playworx.com	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
	USA Shade	Shade Canopies	5%	75%	No	No	No
Rep Services, Inc (407) 831-9658 nathan@repservices.com	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
	Skyways Shade	Sails, Shades, Canopies	2%	75%	Yes	Yes	Yes
	USA Shade	Sails, Shades, Canopies	2%	75%	Yes	Yes	Yes
	Poligon/Parasol Shade	Gazebos, Shelters, Canopies	2%	75%	Yes	Yes	Yes
	Porter/Poligon Shelters	Gazebos, Shelters, Canopies	2%	75%	Yes	Yes	Yes
Miller Recreation Equipment & Design (941) 792-4580 MRECFLA@TAMPABAY.RR.COM	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
	USA Shade	Shade Canopies	5%	N/A	Yes	No	No
	RCP Shelters	Pavilions, Gazebos, Fabric Shades, Concessions	5%	N/A	No	No	No
	Coverworx Shelters	Pavilions, Gazebos, Shelters	5%	N/A	Yes	No	No

SITE AMENITIES & FURNISHINGS							
Distributor	Manufacturer	Site Amenities & Furnishings	Discount Allowed from MRSP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Bliss Products (904) 751-0830 dewitt@blissproducts.com	Dero	Bike Racks	5%	Priced Per Job	Yes	Yes	In Catalog
	Doty & Sons Concrete	Concrete Containers, Benches, Tables	5%	Priced Per Job	www.dotyconcrete.com	Request Quote	On Website
	Forte	Plastic Fixtures, Trash Cans, ect	5%	Priced Per Job	www.forteproducts.com	Request Quote	Yes
	GT Grandstands	Bleachers	10%	Priced Per Job	Yes	Yes	On Website
	Jayhawk Plastics/FROG	Tables, Benches, Trash Cans	10%	35%	Yes	Yes	In Catalog
	Kay Park	Bleachers, Bike Racks, Barriers, Stages, Fountains, ect	5%	Priced Per Job	www.kaypark.com	Request Quote	On Website
	Kings River Casting	Benches, Receptacles, Tables, Bike Racks	5%	Priced Per Job	www.kingsriivercasting.com	Request Quote	On Website
	Most Dependable Fountains	Fountains	5%	Priced Per Job	Yes	Request Quote	In Catalog
	Murdock Fountains	Fountains	5%	Priced Per Job	Yes	Yes	In Catalog
	Ultra Site	Benches, Receptacles, Tables,	5%	Priced Per Job	Yes	Yes	In Catalog
	Wausau International	Banches, Tables, Trash Cans, ect	5%	Priced Per Job	www.wausaumade.com	Request Quote	On Website
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Advanced Recreational Concepts (321) 775-0600 info@arcflorida.com	Superior Recreational Site Amenities	Tables, Benches, Trash Cans	2%	75%	Yes	Digital Copy	Digital Copy
	Bison Ameneties	Tables, Benches, Bike Racks, Trash Cans	2%	75%	Yes	Digital Copy	Digital Copy
	Playcraft Amenities	Tables, Benches, Bike Racks, Trash Cans	2%	75%	Yes	Digital Copy	Digital Copy
	Ultrasite Amenities	Tables, Benches, Bike Racks, Trash Cans	2%	75%	Yes	Digital Copy	Digital Copy
	Park Catalog Amenities	Tables, Benches, Bike Racks, Trash Cans	2%	75%	No	Digital Copy	Digital Copy
	Paris Amenities	Tables, Benches, Bike Racks, Trash Cans	2%	75%	Yes	Digital Copy	Digital Copy

	Kay Park	Bleachers, Bike Racks, Barriers, Stages, Fountains, ect	2%	75%	Yes	Digital Copy	Digital Copy
	Playspace Services	Installation Services	N/A	Per Discount Catalog	Yes	Digital Copy	Digital Copy
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Southern Recreation Inc (904) 387-4390 terry@southernrecreation.com	SRP Amenities	Tables, Benches, Bike, Racks, Trash Cans	5%	30%	Yes	??	Yes
	Kay Park	Bleachers, Bike Racks, Barriers, Stages, Fountains, ect	5%	30%	Yes	??	Yes
	Ultra Site	Tables, Benches, Bike Racks, Trash Cans	5%	30%	Yes	??	Yes
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Miracle Recreation/True North (407) 883-8463 miracle@truenorthrecreation.com	Wabash Valley	Tables, Benches, Trash Cans	Tier	Priced Per Job	www.wabashvalley.com	Yes	Yes
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Recycled Plastic Factory (941) 473-1618 cgoogins@recycledplasticfactory.com	Recycled Plastic Factory	Recycled benches, tables, lumber, Parking Curbs	25%	15%	N/A	Yes	Yes
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Wausau Tile, Inc (863) 816-8070 kprecast@msn.com	Wausau Tile, Inc	Planters, Benches, Bike Racks	10%	N/A	Yes	Yes	Yes
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Swartz Associates (813)-949-2288 mail@ParkPlayUSA.com	MyTCoat	Tables, Benches, Bike Racks, Trash Cans	8%	35%	Yes	In Catalog	Yes
	Frog Furnishings	Tables Benches, Trash Cans, Kiosks	8%	35%	Yes	In Catalog	Yes
	Kay Park	Bleachers, Bike Racks, Barriers, Stages, Fountains, ect	6%	35%	Yes	In Catalog	Yes
	SiteScapes Inc	Tables, Benches, Trash Cans, Bike Racks	5%	35%	Yes	In Catalog	Yes
	Superior Site Amenities	Tables, Benches, Bike, Racks, Trash Cans	8%	35%	Yes	In Catalog	Yes
	Vista Furnishings	Benches, Trash Cans, Bike Racks	6%	35%	Yes	In Catalog	Yes

	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Dominica Recreation Products (800) 432-0182 robd@gametime.com	Ultrasite Furnishings	Benches, Bike Racks, Tables,	5%	30%	Yes	No	Yes
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Playmore West, Inc (239) 791-2400 info@playmoreonline.com	Wabash Valley	Tables, Benches, Trash Cans	5%	32%	Yes	In Catalog	Yes
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Regal Contractors Inc (561) 906-7321 regalcontractorsinc@gmail.com	Ultrasite	Site Furnishing Installation	N/A	45%	No	No	No
	Dumor Site Furnishings	Site Furnishing Installation	N/A	75%	No	No	No
	Wausau Tile, Inc	Site Furnishing Installation	N/A	100%	No	No	No
Top Line Recreation Inc. (386) 575-8359 info@toplinerec.com	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
	Premier Polysteel	Benches, Tables, Trash Cans, Bike Racks	5%	45%	Yes	In Catalog	In Catalog
	Patterson-Williams	Benches, Tables,	5%	45%	Yes	In Catalog	In Catalog
	Frog Furnishings	Benches, Tables, Trash Cans,	5%	45%	Yes	In Catalog	In Catalog
	MyTCoat	Benches, Tables, Trash Cans	5%	45%	Yes	In Catalog	In Catalog
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Playspace Services (321) 775-0600 info@playspaceservices.com	SRP Amenities	Tables, Benches, Bike, Racks, Trash Cans Installation	N/A	75%	Digital Copy	Digital Copy	Digital Copy
	Bison Ameneties	Tables, Benches, Bike Racks, Trash Cans Installation	N/A	75%	Digital Copy	Digital Copy	Digital Copy
	Playcraft Amenities	Tables, Benches, Bike Racks, Trash Cans Installation	N/A	75%	Digital Copy	Digital Copy	Digital Copy
	Ultrasite Amenities	Tables, Benches, Bike Racks, Trash Cans Installation	N/A	75%	Digital Copy	Digital Copy	Digital Copy

	Park Catalog/Highlands Amenities	Tables, Benches, Bike Racks, Trash Cans Installation	N/A	75%	Digital Copy	Digital Copy	Digital Copy
	Kay Park	Bleachers, Bike Racks, Barriers, Stages, Fountains, Installation	N/A	N/A	Digital Copy	Digital Copy	Digital Copy
	Paris Amenities	Tables, Benches, Bike Racks, Trash Cans Installation	N/A	75%	Digital Copy	Digital Copy	Digital Copy
Playworx Playsets LLC (386) 697-4426 Tracy@playworx.com	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
	Wabash Valley	Tables, Benches, Trash Cans	2 50%	50%	Yes	In Catalog	Yes
Rep Services, Inc (407) 831-9658 nathan@repservices.com	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
	Dumor Site Furnishings	Benches, Trash Cans, Bike Racks, Tables	2%	50%	Yes	Yes	Yes
	Anova Site Furnishings	Tables Benches, Trash Cans,	2%	50%	Yes	Yes	Yes
Miller Recreation Equipment & Design (941) 792-4580 MRECFLA@TAMPABAY.RR.COM	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
	Murdock Fountains	Water Fountains	5%	27%	Yes	No	No
	Wabash Valley	Tables, Benches, Trash Cans	5%	27%	Yes	In Catalog	In Catalog
	Recycle Design	Benches	5%	27%	Yes	No	No
	Kay Park	Bleachers, Bike Racks, Barriers, Stages, Fountains, Installation	5%	27%	Yes	No	Yes
	Madrax	Bike Lockers	5%	27%	www.madrax.com	No	No

PLAYGROUND EQUIPMENT & STRUCTURES

Distributor	Manufacturer	Playground Equipment & Structures	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Bliss Products (904) 751-0830 dewitt@blissproducts.com	Action Play	Boarders, Ramp Systems, Mats	5%	Priced Per Job	Yes	Yes	Varies Per Product
	Bark Park	Dog Park Products	8%	35%	Yes	Yes	On Price Sheet
	Big Toys	Interactive Playgrounds	5%	42%	Yes	Yes	On Price Sheet
	Dynamo Playgrounds	Innovative Playgrounds	10%	Priced Per Job	Yes	Yes	In Catalog
	Elephant Play	Playgrounds	10%	35%	Yes	Yes	In Catalog
	Everlast Climbing	Climbing Walls, Jungle Gyms, ect	10%	Priced Per Job	Yes	Request Quote	In Catalog
	Free Note- Harmony Park	Musical Play Equipment	5%	Priced Per Job	Yes	Yes	On Website
	Jensen Swings	Playgournd Swings, Slides	5%	Priced Per Job	www.jenseniswing.com	Yes	On Price Sheet
	Play & Park Structures	Playgrounds, Play Structures, Swings	10%	42%	Yes	Yes	In Catalog
	Safety 1st Surfacing	Expand, Install, Renew, Relocate	5%	Priced Per Job	www.safetyfirstplayground.com	Request Quote	On Website
	Sportsplay	Playground Equip	5%	Priced Per Job	Yes	Yes	In Catalog
	Ultra Play	Playground Equip	5%	Priced Per Job	Yes	Yes	In Catalog
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Advanced Recreational Concepts (321) 775-0600 info@arcflorida.com	Playcraft Systems	Playground Equip, Tables, Benches, Bike Racks	2%	37%	Yes	Digital Copy	Digital Copy
	Dynamo Playgrounds	Innovative Playgrounds	2%	37%	Yes	Digital Copy	Digital Copy
	Free Note- Harmony Park	Musical Play Equipment	2%	37%	Yes	Digital Copy	Digital Copy
	ID Sculptures	Climb and Play Structures	2%	60%	www.idsculpture.com	Digital Copy	Digital Copy

	Superior Recreation Playgrounds	Playground Sets,	2%	37%	Yes	Digital Copy	Digital Copy
	Childforms	Playground Sets,	2%	37%	Yes	Digital Copy	Digital Copy
	Ultra Play	Playground Equip, Dog Parks	2%	37%	Yes	Digital Copy	Digital Copy
	Sportsplay	Playground Equip	3%	75%	Yes	Digital Copy	Digital Copy
	Playspace Services	Installation Services	N/A	Per Discount Catalog	Yes	Digital Copy	Digital Copy
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Southern Recreation Inc (904) 387-4390 terry@southernrecreation.com	SRP Playgrounds	Playground, Fitness Equip	5%	30%	Yes	??	Yes
	Sportsplay	Playground Equipment,	5%	30%	Yes	In Catalog	Yes
	Free Note- Harmony Park	Musical Play Equipment	5%	30%	Yes	??	Yes
	Ultra Play	Playground Equip, Dog Parks	5%	30%	Yes	??	Yes
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Miracle Recreation/True North (407) 883-8463 miracle@truenorthrecreation.com	Miracle/True North	Playground Equipment,	Tier System	30%	Yes	Yes	Yes
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Swartz Associates (813)-949-2288 mail@ParkPlayUSA.com	Henderson Recreation	Playground Equipment,	6%	35%	Yes	In Catalog	Yes
	Action Play	Boarders, Ramp Systems, Mats	10%	35%	Yes	In Catalog	Yes
	Big Toys	Playgrounds, Musical, Benches	6%	35%	Yes	In Catalog	Yes
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Dominica Recreation Products (800) 432-0162 robd@gametime.com	GameTime	Playground Equipment,	10%	30%	Yes	In Catalog	In Catalog
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Rosette Equipment Co. (904) 271-0561 JRose20@comcast.net	Kidstuff Playstystems	Playground Equpment	18%	20%	Yes	No	Yes

	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Playmore West, Inc (239) 791-2400 info@playmoreonline.com	Playworld	Playground Equipment	5%	32%	Yes	No	Yes
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Dynamo Industries, Inc (613) 446-0030 ivan.hoffmann@dynamoplaygrounds.com	Dynamo Playgrounds	Playgrounds.	10%	45%	Yes	Yes	Yes
	Dynamo Playgrounds	Ropes Course	5%	42%	Yes	Yes	Yes
	Dynamo Playgrounds	Custom Products	5%	42%	Yes	Yes	Yes
	Dynamo Playgrounds	Nature Play	5%	42%	Yes	Yes	Yes
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Regal Contractors Inc (561) 906-7321 regalcontractorsinc@gmail.com	Landscape Structures Inc	Playground Installation	N/A	40%	No	No	No
	Playcore Branded Products	Playground Installation	N/A	45%	No	No	No
	GameTime	Playground Installation	N/A	45%	No	No	No
	Playworld Systems Inc	Playground Installation	N/A	40%	No	No	No
	Henderson Recreation	Playground Installation	N/A	45%	No	No	No
	Miracle Recreation	Playground Installation	N/A	45%	No	No	No
	PlayPower/Little Tikes	Playground Installation	N/A	45%	No	No	No
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Top Line Recreation Inc. (386) 575-8359 info@toplinerec.com	BCI Burke Company	Playground Equipment,	7%	34%	Yes	In Catalog	In Catalog
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty

Playworx Playsets LLC (386) 697-4426 Tracy@playworx.com	Little Tikes	Playground Equipment,	10%	40%	Yes	In Catalog	Yes
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Rep Services, Inc (407) 831-9658 nathan@repservices.com	Landscape Structures Inc	Playground Equip	2%	50%	Yes	Yes	Yes
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Miller Recreation Equipment & Design (941) 792-4580 MRECFLA@TAMPABAY.RR.COM	Miracle Recreation Equip	Playground Equip	8-20%	27%	Yes	Yes	Yes
	Action Play	Boarders, Ramp Systems, Mats	5%	25%	No	No	No
	Elephant Play	Playgrounds	5%	25%	No	No	No
	Ultra Play	Playground Equip, Dog Parks	5%	27%	No	No	No
	UPC Parks	Nature Play	5%	27%	Yes	No	No
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Playspace Services (321) 775-0600 info@playspaceservices.com	Playcraft Systems	Playground Equiment	N/A	37%	Digital Copy	Digital Copy	Digital Copy
	Dynamo Playgrounds	Playground Equiment	N/A	37%	Digital Copy	Digital Copy	Digital Copy
	SRP R3	Recycled Playground Equiment	N/A	37%	Digital Copy	Digital Copy	Digital Copy
	Free Note- Harmony Park	Musical Play Equipment	N/A	37%	Digital Copy	Digital Copy	Digital Copy
	ID Sculptures	Climb and Play Structures	N/A	60%	Digital Copy	Digital Copy	Digital Copy
	Childforms	Playground Sets,	N/A	37%	Digital Copy	Digital Copy	Digital Copy
	Ultra Play	Playground Equip, Dog Parks	N/A	37%	Digital Copy	Digital Copy	Digital Copy

SPLASH FEATURES, SKATE PARKS, OUTDOOR RECREATION							
Distributor	Manufacturer	Splash Features, Skate Parks, Outdoor Rec	Discount Allowed from MRSP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Bliss Products (904) 751-0830 dewitt@blissproducts.com	Compac Filtration	Pads, Structures, Filtration	5%	Priced Per Job	Yes	Request Quote	Priced Per Job
	Spohn Ranch/True Ride	Skate Park	5%	Priced Per Job	www.spohnranch.com	Request Quote	On Website
	Waterworks International	Architectural Fountains, SplashPads	5%	Priced Per Job	www.waterworksinternational.com	Request Quote	On Website
	Zeager	Wood Carpet, Synthetic Turf,	5%	Priced Per Job	Yes	Request Quote	On Website
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Advanced Recreational Concepts (321) 775-0600 info@arcflorida.com	Water Splash	Splash Parks	2%	75%	Yes	Digital Copy	Digital Copy
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Playspace Services (321) 775-0600 info@playspaceservices.com	Water Splash Installation	Splash Parks	N/A	75%	Digital Copy	Digital Copy	Digital Copy
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Rep Services, Inc (407) 831-9658 nathan@repservices.com	Aquatix	Splash Pads, Water Playgrounds	2%	Included in price per SF	Yes	Yes	Yes

SPORTS & FITNESS EQUIPMENT							
Distributor	Manufacturer	Sports & Fitness Equipment	Discount Allowed from MRSP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Bliss Products (904) 751-0830 dewitt@blissproducts.com	Athletic Connection	Team Sports, Fitness, Facilties,	5%	Priced Per Job	Yes	In Catalog	In Catalog
	Burbank Netting	Safety Netting	5%	Priced Per Job	www.burbanksportnets.com	Yes	On Website
	Colorado Time Systems	Scoreboards	5%	Priced Per Job	Yes	Request Quote	On Website
	Electro-Mech	Scoreboards	10%	Priced Per Job	www.electro-mech.com	Yes	On Website
	Gared Sports	Team Sports, Fitness, Facilties,	10%	Priced Per Job	Yes	Yes	On Website
	GT Grandstands	Bleachers, Press Boxes, Benches	10%	Priced Per Job	Yes	Yes	On Website
	JayPro Sports	Team Sports, Fitness, Facilties,	5%	Priced Per Job	Yes	On Website	Varies Per Product
	Major Display Scoreboards	Scoreboards	5%	Priced Per Job	www.majordisplay.com	Yes	On Website
	National Recreation Systems	Bleachers, Benches	5%	Priced Per Job	Yes	Yes	In Catalog
	Pro Mats	Netting, Padding, Equipment	5%	Priced Per Job	Yes	Yes	On Website
	Sandee Sod, Inc	(Support Services)	Priced per job	Priced Per Job	N/A	Request Quote	No Website
	Sportsplay	Sports Equip	5%	Priced Per Job	Yes	Yes	In Catalog
	Ultra-Action Fitness	Fitness Parks and Equiment	5%	Priced Per Job	Yes	Yes	In Catalog
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Advanced Recreational Concepts (321) 775-0600 info@arcflorida.com	Sportsplay	Sports Equip	3%	75%	Yes	Digital Copy	Digital Copy
	Bison Sports	Sports Equip	3%	75%	Yes	Digital Copy	Digital Copy
	Action Fit	Outdoor Fitness Equip	3%	75%	Yes	Digital Copy	Digital Copy
	Paris Outdoor Fitness	Outdoor Fitness Equip	3%	75%	Yes	Digital Copy	Digital Copy

	JayPro Sports	Sports Equip	3%	75%	Yes	Digital Copy	Digital Copy
	GT Grandstands	Bleachers, Press Boxes, Benches	3%	75%	Yes	Digital Copy	Digital Copy
	Playspace Services	Installation Services	N/A	Per Discount Catalog	Yes	Digital Copy	Digital Copy
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Swartz Associates (813)-949-2288 mail@ParkPlayUSA.com	National Recreation Systems	Bleachers, Benches	6%	35%	Yes	In Catalog	Yes
	JayPro Sports	Team Sports, Fitness, Facilties,	6%	35%	Yes	In Catalog	Yes
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Rosette Equipment Co. (904) 271-0561 jrose20@comcast.net	Sportsplay	Sports Equip	13%	20%	No	No	??
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Greenfields Outdoor Fitness Inc (888) 315-9037 sam@greenfieldsfitness.com	Greenfields Outdoor Fitness	Outdoor Fitness Equipment	2%	Varies	Yes	Yes	In Catalog
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Nevco Sports, LLC (618) 664-0360 sales@nevco.com	Nevco Sports, LLC	Scoreboards	10% Minimum	Available upon Request	No	Yes	Yes
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Regal Contractors Inc (561) 906-7321 regalcontractorsinc@gmail.com	Greenfields Outdoor Fitness	Fitness Equipment Installation	N/A	40%	No	No	No
	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Musco Sports Lighting LLC (800) 825-6030 musco.contracts@musco.com	Musco Sports Lighting	Sports Lighting	Prices as listed	/	No	Yes	Yes
Top Line Recreation Inc. (386) 575-8359 info@toplinerec.com	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
	Burke Fitness	Fitness Course	7%	34%	Yes	No	In Catalog
	Patterson-Williams Athletics	Sports Equip, Bleachers	5%	45%	Yes	In Catalog	In Catalog

	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
Playspace Services (321) 775-0600 info@playspaceservices.com	Sportsplay	Sports Equip Installation	N/A	75%	Digital Copy	Digital Copy	Digital Copy
	Bison Sports	Sports Equip Installation	N/A	75%	Digital Copy	Digital Copy	Digital Copy
	Action Fit	Outdoor Fitness Equip Installation	N/A	75%	Digital Copy	Digital Copy	Digital Copy
	Paris Outdoor Fitness	Outdoor Fitness Equip Installation	N/A	75%	Digital Copy	Digital Copy	Digital Copy
	JayPro Sports	Team Sports, Fitness, Facilities,	N/A	75%	Digital Copy	Digital Copy	Digital Copy
	Playcraft Systems	Fitness Equipment	N/A	37%	Digital Copy	Digital Copy	Digital Copy
	GT Grandstands	Bleachers, Press Boxes, Benches	N/A	75%	Digital Copy	Digital Copy	Digital Copy
Miller Recreation Equipment & Design (941) 792-4580 MRECFLA@TAMPABAY.RR.COM	Manufacturer	Product	Discount Allowed from MSRP	Installation Discount	Catalog Provided	Current MSRP List Supplied	Warranty
	Bison Sports	Sports Equip, Bleachers, Padding	5%	27%	Yes	No	Yes
	Douglas Sports	Sports Equipment	5%	27%	Yes	No	No

RFP No. 18/19-2, VARIOUS EQUIPMENT AND AMENITIES FOR PARKS AND PLAYGROUNDS – SCOPE OF SERVICES
(Provided by Parks and Recreation Department)

SCOPE:

The purpose of this bid invitation:

1. Establish a firm, fixed percentage discount from manufacturer's and/or bidder's current catalog/supply/product information price list for the purchase of various equipment and amenities for parks and playgrounds as requested by the Clay County Division of Parks and Recreation. The County reserves the right to award to multiple bidders.
2. Establish a firm, fixed percentage of manufacturer's and/or bidder's current catalog/supply/product information price list, after applying the above requested discount for purchase, for the installation of various equipment and amenities. It is understood that bidder's current catalog/supply/product information price list are subject to change; however, percentages shall remain fixed. No extra charges or compensation will be allowed for installation above and beyond what has already been presented in your bid. If the bidder offers specialized catalogs, the catalogs must be submitted separately from any other catalog offered by the bidder.
3. This bid is also a means for qualifying vendors for ball park lighting services. Qualifying vendors will be requested to provide pricing on a project by project basis as defined in the method of ordering section of this bid utilizing prices provided in bid response. The qualified vendor(s) providing the lowest responsive quote will be awarded the project.
4. There is no guarantee any purchases will be made after award. Purchase orders will be issued subject to availability of funds.

RESPONSIBILITY:

Bidder shall be responsible for all labor, materials, equipment, supervision, off-loading, storage, and installation, of various equipment and amenities for parks and playground equipment or amenities ordered, unless otherwise specified by the County. The County may elect, in certain circumstances, to purchase only materials and have those materials installed by others (e.g., volunteers, County staff). These items will be shipped to a designated location and off-loaded by the bidder or bidder's representative.

QUALIFICATION OF INSTALLERS:

If a bidder utilizes a sub-contracted installer for any park or playground equipment, a list of sub-contracted installers must be included with their bid. Additionally, the bidder must supply WRITTEN FACTORY/MANUFACTURER CERTIFICATION that its installer, or its sub-contracted installer, is an authorized installer, certified to install various equipment and amenities for parks and playground equipment as required by each manufacturer.

CATALOGS AND MANUFACTURER SUGGESTED RETAIL PRICE (MSRP) LISTS:

Each bidder shall submit with this bid, at no charge, two (2) sets of each current catalog/supply/product information price list as well as current MSRP list for each catalog

submitted. All catalogs and/or MSRP lists shall clearly identify bidder's name, address and telephone number.

The vendor shall supply at no charge, two (2) sets of each then current catalog/supply/product information price list as well as current MSRP list for each catalog submitted upon price changes. At renewal time Vendor may request that new manufacturers be added. County reserves the right to approve or deny this request.

COMPLIANCE WITH LAWS AND CODES:

Bidders must strictly comply with Federal, State and local building and safety codes. Equipment must meet all State and Federal safety regulations. The following publications (issue in effect on date of invitation to bid) shall form a part of this specification:

A. American Society for Testing and Materials (ASTM):

ASTM-F1487 Standards – Methods of testing Playground Equipment for Public Use.

ASTM-F1292 Standards - Method for testing various surfacing materials to determine their "critical height" (the fall height below which a life threatening head injury would not be expected to occur)

Copies may be obtained from the - American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428

B. Consumer Product Safety Commission (CPSC) – printed Handbook for Public Playground Safety.

Copies may be obtained from the - US Consumer Product Safety Commission
4330 East West Highway
Bethesda, MD 20814
(301) 504-7923

C. National Playground Safety Institute (NPSI) – identification of 12 leading causes of injuries on playgrounds.

Copies may be obtained from the - National Recreation and Park Association
22377 Belmont Ridge Road
Ashburn, VA 20148-4150
(703) 858-0784

D. Americans with Disabilities Act (ADA) Regulations for Title III, Appendix A, Standards for Accessible Design, issued by the Department of Justice.

Copies may be obtained by calling: (800) 514-0301

Bidders certify that all products (materials, equipment, processes, age appropriate signage, or other items supplied in response to this bid) contained in its bid meet all Federal and State requirements, **Upon completion of installation of play equipment and/or playground surfacing, bidder shall furnish to the County a certificate so stating the equipment /surfacing and its installation meet all Federal and State requirements as outlined in the above publications.**

Bidders further certify that if the product(s) delivered and/or installed are subsequently found to be deficient in any of the aforementioned requirements in effect on date of delivery, all costs necessary to bring the product(s) and installation into compliance shall be borne by the bidder.

INVOICING:

Invoices may be issued once equipment, materials, and supplies are delivered and/or installed to the county's satisfaction. At a minimum, invoices must include: Purchase Order Number, Item Number and Description, Date of Shipment, Quantity Ordered, Unit Price, Unit of Measure, and a total for all purchases. Standard payment terms are Net 45 days per the Local Government Prompt Payment Act.

TERMS OF CONTRACT:

The term of bid award for various equipment and amenities for parks and playgrounds will be three (3) years, with two (2) one (1) year renewal options. Discounts from this solicitation shall prevail for the full duration of the contract and including subsequent extensions. County reserves the right to use other available bids or contracts when in the best interest of the County.

METHOD OF ORDERING:

The County may generate a Request for Quotation, on an "as needed" basis, for park and playground equipment and/or ball field lighting together with a request for additional services required to complete that project (see attached Quote sample sheet). The County reserves the right to send such Request for Quotation to any or all awarded bidders. The Request for Quotation can define the project exactly or the Request for Quotation can describe a desired end result, allowing the bidder to design the park or playground site.

After generating a Request for Quotation for a project, and before bidder's submission of its quotation in response to the Request for Quotation, the County may require requested bidder (s) to attend a site visit with County personnel to familiarize the bidder(s) with the site and determine additional services that may be required to complete the project. Bidders will be responsible for the accuracy of all fixed measurements.

The bidder's quotation in response to the Request for Quotation must contain each of the following:

- A detailed breakdown of the cost for the entire project. Descriptions of additional services related to the project, together with their price, shall also be listed.
- Include Catalog Name, Number and associated discount. When quoting projects where freight would be charged, those costs must be included in quote so freight charges can appear on the purchase order. Freight charges for equipment must be pre-paid and added to the invoice.
- Names of any and all subcontractors on the project. It is understood the bidder remains responsible for project completion and acceptance by the County. The County reserves the right to reject any quotation in response to a Request for Quotation if said quotation names a subcontractor who has, in the sole opinion of the County, previously failed in the proper performance of an award or failed to deliver on time contracts of a similar nature, or who is not in a position to perform properly under this award.
- Project Completion Date.
- Include an updated catalog, if needed and updated MSRP lists for the park and play equipment specifically quoted.

The County will generate purchase orders as a result of approved "Request for Quotations" submitted, at the sole discretion of the County. The County reserves the right to not award to any, or to use other available bids or contracts when in the best interest of the County.

PROMOTIONAL PRICING:

During the contract period, bidders shall extend any pricing offered on a "promotional" basis from the manufacturer to the county. It will be the bidder's responsibility to monitor said items and report any that are or will be offered at lower prices.

SUPERVISION:

A bidder's job supervisor/representative shall be on the work site at all times and be thoroughly knowledgeable of the materials, job requirements, plans, specifications and installation functions. Contractors shall be responsible for the appearance of all working personnel assigned to the project (clean and appropriately dressed at all times).

JOB COMPLETION:

Bidder/installer shall be responsible for all materials received and signed for from date of order to completion of job installation.

Bidder/installer shall be responsible for cleanup and removal of all debris resulting in job completion.

Bidder/installer shall be responsible for restoring the work site to its original condition at the completion of the project. This shall include re-sodding of the area affected by their work with sod which is of the same variety and quality as the surrounding sod. Where no sod exists prior to installation, the contractor shall restore grade to a level consistent with the surrounding grade.

RESPONSIBILITY FOR DAMAGES AND PRESERVATION OF PROPERTY:

The bidder shall use due care to avoid damaging all property associated with, adjacent to, or in any way affected by the work being performed. The bidder shall be responsible for the protection of all buildings, structures, and utilities that are underground, above ground, or on the surface from their operations that may be hazardous and/or damaging to said facilities. Bidder shall leave work site in a neat and orderly fashion at the end of each work day. Any damage occurring to such items by bidder shall be immediately repaired or replaced to a condition at least equal to that which existed prior to the damage. All costs incurred for repair or replacement shall be borne by the successful bidder. Any damages not repaired or replaced by the bidder within ten (10) calendar days from notification will be fixed by the County or its contractor and the cost shall be paid by the bidder or deducted from their invoice.

VIOLATIONS/DEFAULT:

In the event the awarded bidder(s) should violate any provisions of this bid, such bidder will be given written notice stating the deficiencies and given ten (10) days to correct deficiencies found. The County reserves the right to terminate any bid, contract, or purchase order at any time due to any violation.

In the event the awarded bidder(s) should breach this contract, the County reserves the right to seek all remedies in law and/or in equity. Failure of an awarded bidder to adhere to completion dates defined by bidder and County may result in no further purchase being made with such bidder under this Bid.

Bid Invitations Sent to the Following Companies for:
RFP #18/19-2, Various Equipment And Amenities For Parks And Playgrounds

Miracle Recreation – True North
Musco
Playmore Recreation Products
REP Services
Advanced Recreational Concepts
Southern Recreation, Inc.
J. Durgan Associates, Inc.
Victor Stanley, Inc.
Robertson Recreational Surfaces
Recycled Plastic Factory, LLC
Greenfields Outdoor Fitness, Inc.
Gulf Coast Sports, LLC
Bliss Products
Apollo Sunguard Systems, Inc.
Miller Recreation Equipment & Design, Inc.
Dominica Recreation Products/Game Time
Site Horizons
M. Gay Constructors, Inc.
Advanced Eco Designs
Florida Playstructures, Inc.
Seating Constructors UDS, Inc.
Shell Scape of Florida, LLC
ParknPool Corporation
Prosales
Hunter Knepshield Company
Team C Sports
Gary Yeomans Ford
Kompan, Inc.
BASCA, Inc.
Qualite Sports Lighting
Bill Fritz Sports Corporation
American Park & Recreation
Top Line Recreation
Atlantic Coast Recreation
Gopher Sports
Foreverlawn Palm Beach
Sail Shade Structures
Park Warehouse
Custom Canopies, Inc.
Dynamo Playgrounds
Prescision Playgrounds
Playworx Playsets, LLC
Rosette Equipment Company
Prime Vendor, Inc.
Regal Contractors, Inc.
No Fault Sport Group
Korkat Playgrounds & Site Amenities
Construction Journal
Wausau Tile, Inc.
Project Innovations, Inc.
Coast to Coast Recreation, LLC
Vortex
RCP Shelters, Inc.
Sail Shade Structures
Swartz Associates, Inc.
Nevco
Medley Sports Construction

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.