

PIC 4-18-17 Recreation
CA 4-25-17-amended
1st R 5-2-17
2nd R 5-16-17
3rd R 6-6-17
B/C _____

CITY OF BROOK PARK, OHIO

ORDINANCE NO: 10078-2017

INTRODUCED BY: MAYOR COYNE

AN ORDINANCE
AUTHORIZING AND APPROVING THE MAYOR TO ENTER INTO
A CONTRACT WITH MUSCO LIGHTING, LLC.,
FOR THE PURCHASE OF CERTAIN ITEMS
AND INSTALLATION OF AN OUTDOOR LIGHTING SYSTEM,
WITHOUT PUBLIC BIDDING TO BE INSTALLED AT
HUFSEY AND FORBES FIELDS,
AND DECLARING AN EMERGENCY

WHEREAS, Council deems it necessary for the City to enter into a contract with a specialist in order to provide for the purchase and installation of an outdoor lighting system to be installed at Hufsey and Forbes Fields over which the City has jurisdiction; and

WHEREAS, said services are of such a highly specialized nature, requiring the exercise of peculiar skill and aptitude, that said contract is properly deemed excepted from the bidding requirements ordinarily associated with the letting of public contracts; and

WHEREAS, our Wedo baseball fields contain an outdoor lighting system that had been built and installed by Musco Lighting, LLC; and

WHEREAS, in order to remove lighting from 2 baseball fields and install this outdoor lighting system at two of the City's baseball fields, one (1) new light pole and seven (7) new concrete foundations need to be acquired to house the light poles; and

WHEREAS, it is now necessary to purchase the new light pole, concrete foundations, remove the existing outdoor lighting system from Wedo baseball fields, transport said outdoor lighting and existing infrastructure; and

WHEREAS, only Musco Lighting, LLC can remove and install the lighting system at Hufsey and Forbes field; and

WHEREAS, only Musco Lighting LLC can provide the new concrete foundations compatible with the light poles being removed and installed;

NOW THEREFORE, BE IT ORDAINED, by the Council of the City of Brook Park, State of Ohio, that:

SECTION 1: That the Mayor is hereby authorized and directed to enter into a contract with Musco Lighting, LLC in order to purchase one (1) new light pole and seven (7) new concrete foundations to house the light poles, and thereafter install the outdoor lighting system as Hufsey and Forbes Fields.

SECTION 2: That the funds for the purpose of the aforesaid expenditure have been appropriated or to be appropriated and shall be paid from the General Recreation Capital Improvement Fund No. 401 in the amount of \$160,000.00.

SECTION 3: It is found and determined that all formal actions of this Council concerning and relating to the adoption of this Ordinance were adopted in an open meeting of this Council, and that all deliberations of this Council and of any of its committees that resulted in such formal action were in meetings open to the public in compliance with all legal requirements, including Section 121.22 of the Ohio Revised Code.

SECTION 4: This Ordinance is hereby declared to be an emergency measure immediately necessary for the preservation of the public peace, health, safety and welfare of said City, and for the further reason that Council deems it necessary for the Mayor to enter into said contract with Musco Lighting without undue delay; therefore provided this ordinance receives the affirmative vote of at least five (5) members elected to Council, it shall take effect and be in force immediately upon its passage and approval by the Mayor; otherwise, from and after the earliest period allowed by law.

I HEREBY APPROVE THE WITHIN INSTRUMENT AS TO LEGAL FORM AND CORRECTNESS

PASSED: June 7, 2017

Jim Astor
PRESIDENT OF COUNCIL

ATTEST: Michelle Blazak
Clerk of Council

APPROVED: [Signature]
MAYOR

6/6/2017
DATE

	Yea	Nay
Troyer	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mencini	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Powers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scott	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Burgio	<input checked="" type="checkbox"/>	<input type="checkbox"/>
McDonnell	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Salvatore	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CERTIFICATE
Michelle Blazak, Clerk of Council, of the City of Brook Park, Ohio, do hereby certify that the foregoing is a true and accurate copy of Ordinance/Resolution No. 10078-2017 passed on the 6th day of June 2017 by said council, commencing June 7, 2017

I, Michelle Blazak, Clerk of Council for the City of Brook Park, State of Ohio, do hereby certify that there is no newspaper of general circulation in the municipality and that publication of the foregoing ordinance/resolutions was made by posting true copies at six of the most public places in said municipality as determined by Ordinance No. 4838-17: City Hall 6161 Engle Road, Police Station 17 Holland Road, #1 Fire Station 5590 Smith Road, #21 Station 22530 Ruple Parkway, #3 Fire Station 17401 Holland Rd Brook Park Library 6165 Engle Road, for a period of fifteen days.

Michelle Blazak Clerk of Council
Michelle Blazak Clerk of Council



100 1st Ave West • PO Box 808 • Oskaloosa, IA 52577
Phone: (800) 825-6020 • Fax: (888) 397-8736
•E-mail joe.fox@musco.com

**Brook Park Baseball Pole Relocation
Brook Park, OH
Wedo Park to Forbes & Hufsey Fields**

Quote – Materials and Installation + Demo

Musco's Light Structure System™ as described below and delivered to the job site..... **\$144,850.⁰⁰**

Equipment Description

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

- (7) Precast concrete foundations
- (63) 1500WZ lamps
- New pole length wire harness for all poles
- (2) Pole Separation Tool Kits
- Lighting contactor cabinet with (2) key switches

Also Includes:

- Freight to the job site
- Aiming Diagram from Musco Lighting

Scope of Work

- Remove (7) Existing Musco Poles at Wedo Park
- Transport poles from Wedo Park to Municipal Field (City to provide police escort)
- Relocate poles A1,A2,A3,B1,B2,B3,B4 from existing location in Wedo Park to Forbes and Hufsey Fields
- Remove (5) fixtures on A1 pole; (2) fixtures from A2, A3, B1, B2, B3 & B4 poles to reduce the loading at top of the pole in order to comply with current building code
- Demo existing wood poles at Hufsey and Forbes Fields
- Install (7) new Musco foundations
- Rough grade area (re-seeding by the city)
- Relamp all (63) fixtures relocating to Hufsey and Forbes Fields and clean glass lens for maximum lighting performance
- Musco will provide lift and labor to fine tune lighting upon completion of install
- Light levels will be taken to ensure lighting performance on the field

Alternate #1 – New 480V Service

Provide a new 480V service panel at Forbes and Hussey Fields..... **ADDER..... \$9,250.⁰⁰ ******

- There is an existing 480V service panel in pump station, but not sure if it is large enough to handle additional loading. 155 full load amps for new system (480V 3 phase)

******Power Company Fees are NOT included******

Alternate #2 – Electrical Engineer Stamped Drawings

Provide certified stamped drawings from Electrical Engineer..... **ADDER..... \$4,000.⁰⁰**

- This may be required by your permit department for this project.

Sales tax and labor are not included as part of this quote.

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

Notes

Quote is based on:

- Shipment of entire project together to one location
- Structural code and wind speed = 2009 IBC, 90 MPH.
- Access to each pole with a crane
- Assumes dry ground conditions, there are no provisions for ground protection
- Installation based on standard soils

Also Includes:

- Freight to the job site
- Aiming Diagram from Musco Lighting

Price does not include any power company fees; rock, bottomless, wet, or unsuitable soils that may be encountered while digging, which may require additional engineering or special installation methods.

Sales tax and labor are not included as part of this quote.

Payment Terms

As agreed upon by Musco Credit Dept.

- **Delivery to the job site from the time of order, submittal approval, and confirmation of order details including voltage and phase, pole locations is approximately 30 days. Changes to pole locations after the product is sent to production could result in additional charges.**

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

Joe Fox
Service and Parts Sales
Musco Lighting
Phone: 641-676-2340
Mobile: 314-960-2070
Joe.Fox@MuscoLighting



Pole / Fixture Summary

Pole ID	Pole Height	Fixture Qty	Lamp Type	Group
A1	70'	3	1500W MZ	A
		4	1500W MZ	B
A2	70'	4	1500W MZ	A
A3	70'	4	1500W MZ	B
B1	90'	12	1500W MZ	A
B2	90'	12	1500W MZ	A
B3	90'	12	1500W MZ	B
B4	90'	12	1500W MZ	B
7		63		

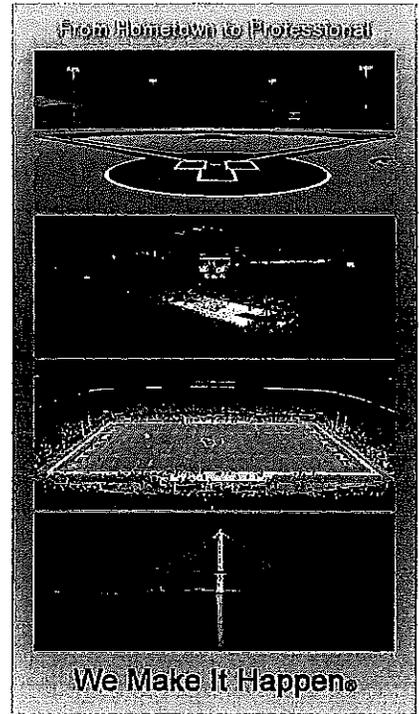
PROJECT
Name: Municipal Campus Fields
Location: Brook Park

Calculation Grid Summary

Grid Name	Calculation Metric	Type	Light Level			Uniformity		Groups	Fixture Qty
			Ave	Min	Max	Max/Min	Ave/Min		
Field #1 (Infield)	Horizontal Illuminance	Maintained	24.3	17	31	1.82	1.44	A	31
Field #1 (Outfield)	Horizontal Illuminance	Maintained	15.9	9	23	2.45	1.71	A	31
Field #2 (Infield)	Horizontal Illuminance	Maintained	27.2	17	39	2.33	1.62	B	32
Field #2 (Outfield)	Horizontal Illuminance	Maintained	16.2	8	24	2.85	1.91	B	32

Group Summary

Group	Description	Load	Fixture Qty
A	Field #1	49.8 kW	31
B	Field #2	51.2 kW	32



ENGINEERED DESIGN
By: K.Wesely
File # / Date: 153614A 01-Mar-17

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PROJECT SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN							
Pole			Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY/POLE	OTHER CRODS
1	A1	70'	-	70'	1500W MZ	1/3*	1
1	A2	70'	-	70'	1500W MZ	2/1*	1
2	B1-B2	90'	-	90'	1500W MZ	4	4
4	TOTALS					12	12
						35	31

* This structure utilizes a back-to-back mounting configuration



MVP PROJECT	
Name:	Municipal Campus Fields
Location:	Brook Park

GRID SUMMARY	
Name:	Field #1
Size:	300'/300'/300' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

MAINTAINED ILLUMINATION		
SUMMARY	Infield	HORIZONTAL FOOTCANDLES Outfield
Scan Average:	24.31	15.86
Maximum:	31	23
Minimum:	17	9
Avg / Min:	1.44	1.71
Max / Min:	1.82	2.45
UG (adjacent pts):	1.50	1.71
CU:	0.46	
No. of Points:	25	181
LUMINAIRE INFORMATION		
Luminaire Type:	LV-8	
Design Usage Hours:	3,000 hours	
Design Lumens:	155,000	
Avg Tilt Factor:	0.937	
Add'l Non-Rec LLF:	0.900	
Recoverable LLF:	0.700	
Total LLF:	0.590	
No. of Luminaires:	31	
Avg KW:	49.6 (49.6 max)	

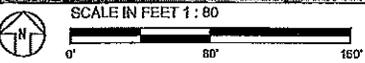
Field Measurements: Illumination measured in accordance with the IESNA RP-6-15 and CIBSE LG4. Individual values may vary. See the Warranty document for details.
 Electrical System Requirements: Refer to Amperage Draw Chart and/or the Musco Control System Summary for electrical sizing.
 Installation Requirements: Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

ENGINEERED DESIGN		
By:	K.Wesely	
File # / Date:	153614A	01-Mar-17

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NOTES: NO Guarantee on Light Levels
 Musco would recommend a relamp.



Pole location(s) with crosshair symbol dimensions are relative to 0,0 reference point(s) with circle symbol

ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN

QTY	Pole			Luminaire				
	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A1	70'	-	70'	1500W MZ	1/3*	3	1
1	A3	70'	-	70'	1500W MZ	2/1*	1	2
2	B3-B4	90'	-	90'	1500W MZ	4	4	0
4	TOTALS					35	32	3

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 80



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



MY PROJECT	
Name:	Municipal Campus Fields
Location:	Brook Park

GRID SUMMARY	
Name:	Field #2
Size:	300'/300'/300' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

MAINTAINED ILLUMINATION		
SUMMARY	Infield	HORIZONTAL FOOTCANDLES Outfield
	Scan Average:	27.22
Maximum:	39	24
Minimum:	17	8
Avg / Min:	1.62	1.91
Max / Min:	2.33	2.85
UG (adjacent pts):	1.52	1.68
CU:	0.46	
No. of Points:	25	181
LUMINAIRE INFORMATION		
Luminaire Type:	LV-8	
Design Usage Hours:	3,000 hours	
Design Lumens:	155,000	
Avg Tilt Factor:	0.936	
Add'l Non-Rec LLF:	0.900	
Recoverable LLF:	0.700	
Total LLF:	0.590	
No. of Luminaires:	32	
Avg KW:	51.2 (51.2 max)	

Field Measurements: Illumination measured in accordance with the IESNA RP-6-15 and CIBSE L64. Individual values may vary. See the Warranty document for details.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the Musco Control System Summary for electrical sizing.

Installation Requirements: Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

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ILLUMINATION SUMMARY