City of Mequon

11333 N. Cedarburg Rd 60W
Mequon, WI 53092-1930
Phone: 262/236-2944
Fax: 262/242-9655

www.ci.mequon.wi.us

Parks Department

PARK BOARD
Wednesday, February 17, 2016
Mequon City Hall
South Conference Room
6:30 PM

Call to Order, Roll Call

1. Approval of the December 16, 2015 Park Board Minutes
   Action Requested: Review and Approve

2. Visitor Participation/Recognition (residents addressing the Park Board should clearly state their name and address and should limit their comments to three minutes)

3. Lemke Park Improvements
   Action Requested: Review and Approve

4. Chairperson's Report

5. Director's Report
   •Report on current Park Projects and Events

6. Future meeting date.....March 16, 2016

7. Adjourn.....Thank you for attending

Dated: February 11, 2016 /s/ Bruce Barnes, Chairman

Notice is hereby given that a quorum of other governmental bodies may be present at this meeting to present, discuss and/or gather information about a subject over which they have decision making responsibility, although they will not take formal action thereto at this meeting.

Any questions regarding this agenda may be directed to the Parks Dept. office at 262-236-2945
Monday through Friday, 8:00 am – 4:30 pm
Persons with disabilities requiring accommodations for attendance at this meeting should contact the City Clerk's Office at 262-236-2914, twenty-four (24) hours in advance of the meeting.

CITY OF MEQUON
WISCONSIN
****

PARK BOARD MEETING
December 16, 2015
Mequon City Hall
11333 N. Cedarburg Rd.
6:30 PM

Chairperson Barnes called the meeting to order at 6:30 pm with roll call as follows:

Members present: Bruce Barnes, Susan Chich, Mary Glenn Fuchs, John Leszczynski, Jim Lysaught, Tom Menzel, Fran Rechcygl, and Robert Walerstein

Members absent: None

Also present: Parks Director Curran and Staff Liaison Szymanski

1. **Approval of Park Board Minutes:**
Moved by Jim Lysaught and seconded by Robert Walerstein to approve the minutes of the September 23, 2015 meeting. The motion passed by voice acclamation.

2. **Visitor Participation/Recognition:**
None

3. **Spirit Lake Property:**
City staff has met with representatives of the Ozaukee Washington Land Trust (OWLT) to discuss their recent purchase of the Spirit Lake property. The 75 acre parcel is located on Bonniwell Road east of Green Bay Road. The site will remain a natural area along with continued agricultural use. Currently a small parking area and information kiosk is located at the entrance of the property, along with walking trails that lead to the lake. Discussion indicated a desire to develop a trail that would link the property to Rotary Park. A walking trail at Rotary Park currently extends to the northwest corner putting it in close proximity to the Spirit Lake property. OWLT will work with Mequon to connect the trails between the properties.

4. **Update of 2015 Park Activities:**
Director Curran provided an update of each park listing projects and activities in 2015.

5. **Chairperson's Report:**
None

6. **Director's Report:**
Winter Wonderland was held December 6, and was well attended.

7. **Adjourn:**
A motion by Mary Glenn Fuchs and seconded by Fran Rechcygl to adjourn at 7:15 pm passed by voice acclamation.

Future meeting date.....January 20, 2016

Respectfully submitted, CITY OF MEQUON PARK BOARD

City of Mequon

11333 N. Cedarburg Rd
Mequon, WI 53092-1930
Phone: 262/236-2918
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Office of the Parks & Operations Director

3

TO: Mequon Park Board
FROM: Don Curran, Director of Parks and Operations
DATE: February 12, 2016
SUBJECT: Lemke Park Improvements

Background

I recently met with a representative of the Cardinal Football program to discuss potential improvements that would benefit their program as well as some of the other users and residents. Cardinal Football has been using field space at Lemke Park for several years for weekday practices during their fall season. There are currently several field areas they can practice on; one includes a set of goalposts. For the past 4-5 season's temporary lighting has been utilized to illuminate the practice areas as the fall practices are cut short due to limited daylight at that time of the year. To date we have not received any complaints or concerns regarding the temporary lights.

Analysis

Cardinal Football has requested we review their plans for the installation of permanent sports lighting at Lemke Park. Their interest in lighting began several years ago when they approached the Park Board to determine if it would be acceptable. Since that time they have elected to rent smaller portable units that allow them to practice after sunset. In the earlier years of the program the lights at Rennicke Field were used as that venue was where they held practices. As improvements continued at Rennicke Field they elected to relocate to avoid damage to the outfield due to several months of weekday practices. The high cost and the inefficiency of the temporary lights has led to the decision to pursue a higher quality permanent lighting system.

While the goal is to support Cardinal Football activities there is also an interest in assisting other groups such as BOSS Baseball and the Ozaukee Lacrosse program. Depending on the location of the lights, several groups could benefit from this project. In the event water would be come available at Lemke Park an illuminated ice skating rink is also being suggested. Efforts are underway to determine the level of support and funding available from other park users.

As indicated on the enclosed information from Musco Lighting the southern and western portions of Lemke Park would be illuminated. Eight 60' poles would be installed that would allow for evening practices. Depending on the final design and location of the lights other sports could also benefit. The correspondence from Musco Lighting indicates this project could be completed for approximately $175,000-$195,000. Due to the elevated cost related to LED the standard HID lights are being proposed. Musco Lighting was selected to provide and install the lights currently in use at Rennicke Field. They are a quality product with an exceptional warranty of 25 years on their HID lighting. To date we have had minimal problems with the Rennicke Lights. Current technology allows them to monitor our lights for problems from their facility in Iowa. Customer support has been excellent when needed. As indicated additional research will be required to determine ground conditions and electrical needs along with a final design that might include additional lights for other users.

As part of the relocate Cardinal Football has requested that the Department of Public Works assist with removing the goalposts at River Barn Park and reinstalling them at Lemke Park. We just completed a similar project this summer when we assisted with an Eagle Scout project at Lemke Park. The bleachers and scoreboard that were donated to River Barn Park by Cardinal Football will remain and can be used by other sports groups that play on the field.

Fiscal Impact

The estimate provided by Musco Lighting indicates a cost estimate of $175,000-$195,000 for the current design. Cardinal Football is currently working to secure funds from private and public sources to complete this project. Support form the Parks Department budget would also be accepted if available. The desire would be to complete this project as quickly as possible however funding will dictate when it can be addressed.

Recommendation

It would be staff's recommendation that the Park Board review and discuss the proposal and support Cardinal Football's interest in moving this forward. Aside from the benefits to Cardinal Football other sports groups could also extend playing and practice time. Multiple steps including Planning Commission approval would be required to approve this project. Common Council approval is also necessary due to the dollar amount of the donated project. The concerns of neighboring property owners will also need to be addressed. The current design of the Musco products greatly reduces any unnecessary light bleeding on to neighboring properties while still providing excellent conditions for sports activities.

Lemke Park
Google

Budget Estimate

January 4, 2016

Chris Cowie
Thiensville Mequon Cardinal Football
Mequon, WI

Dear Chris:

Thank you for the opportunity to discuss Musco's Green Generation Lighting® system, and the benefits it will bring to your multi-purpose field at Lemke Park. We are excited to offer this innovative system, and are confident you will see the value for many years to come.

This estimate includes an option for Musco's Light-Structure Green™ lighting system with HID and an option for LED, with estimated installation costs included. Light-Structure Green™ includes 5 Easy Pieces™- galvanized steel poles, pre-cast concrete foundations, Green Generation Lighting® fixtures with either HID or LED light source, pole length wire harnesses, and electrical components enclosures.

Benefits of Light-Structure Green™

- Reduction of energy and maintenance costs by 50% to 85% over typical 1500w HID equipment
- Reduction of spill light and glare by 50% or more
- Guaranteed light levels
- An unmatched warranty for up to 25 years for HID, and 10 years for LED that includes onsite maintenance
- A re-lamp of your facility after 5000 hrs of operation for HID fixtures
- Includes our Control-Link® System for remote on/off control and performance monitoring with 24/7 customer support

Estimated Project Cost: *Materials and Installation*

Multi-purpose Field **(*HID Light Source*)**	**$175,000-$195,000**
LED Adder	**$60,000**
20 foot-candle average light levels guaranteed	

Pricing is based on January 2016 pricing and is subject to change.

This **estimate** includes anticipated equipment and installation costs using IBC 2009 with 90mph wind speed. It does not include the cost of a new electrical transformer. It also assumes standard soil conditions. Rock, bottomless, wet or unsuitable soil may require additional engineering, special installation methods and additional cost.

We look forward to helping you assess both light source options to choose what best fits your specific needs. Please feel free to contact me with any questions you may have.

Greg Smidt
Sales Representative
Musco Sports Lighting, LLC
Phone: 920/460-5879
E-mail: greg.smidt@musco.com

Pole / Fixture Summary

Pole ID	Pole Height	Fixture Qty	Lamp Type	Group
P1	60'	2	1500W MZ	A
P2	60'	4	1500W MZ	A
P3	60'	3	1500W MZ	A
P4	60'	4	1500W MZ	A
P5	60'	4	1500W MZ	A
P6	60'	3	1500W MZ	A
P7	60'	3	1500W MZ	A
P8	60'	4	1500W MZ	A
8		*27*		

Calculation Grid Summary

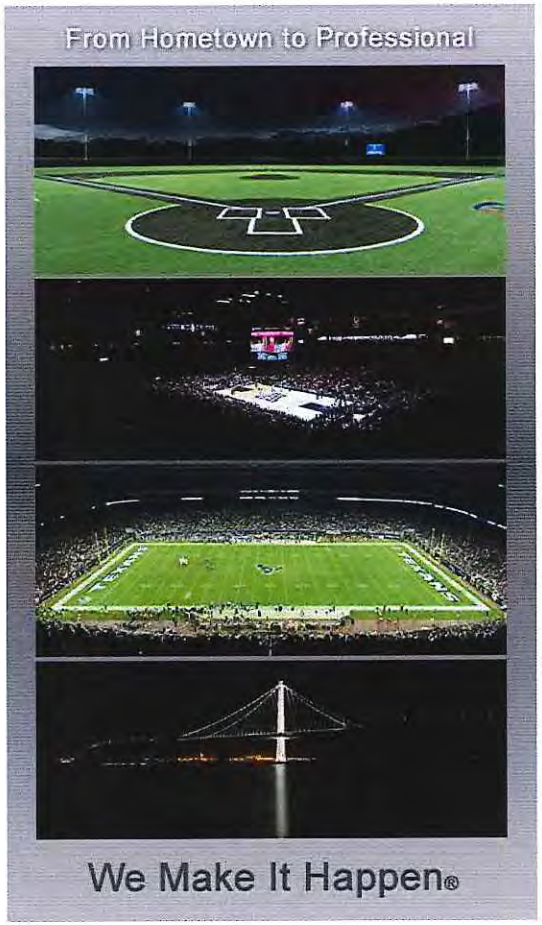
Grid Name	Calculation Metric	Light Level				Uniformity		Groups	Fixture Qty
		Type	Ave	Min	Max	Max/Min	Ave/Min		
Football/Soccer Area	Horizontal	Constant	20.1	12.3	29.4	2.39	1.63	A	27

Group Summary

Group	Description	Load	Fixture Qty
A	Football/Soccer	42.23 kW	27

MY PROJECT

Name: **Lemke Park FB/SO**
Location: Mequon, WI



ENGINEERED DESIGN

By: **Will Hartl**
File # / Date: 160375a 01-Feb-16

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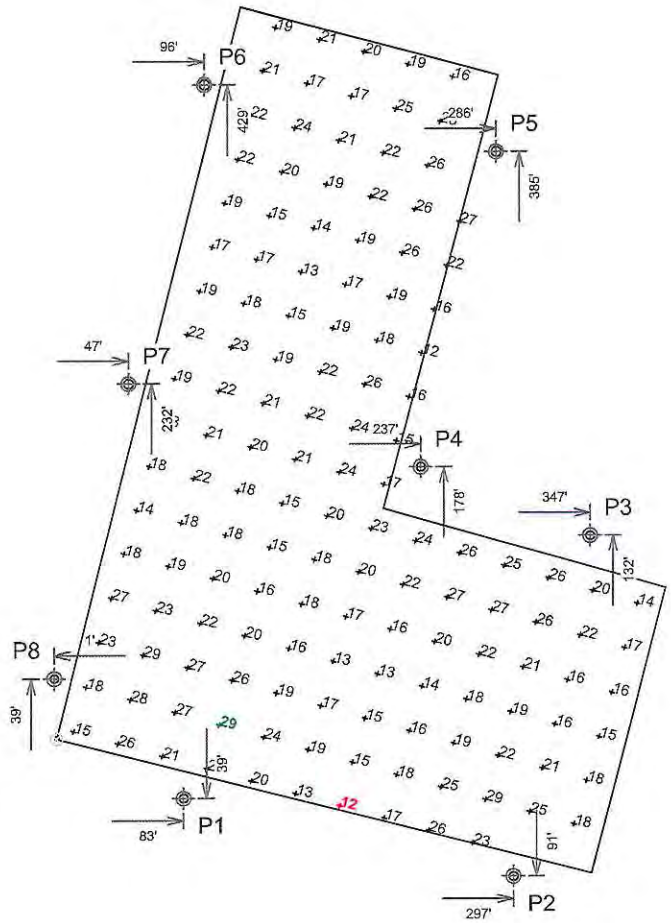
EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	P1	60'	-	60'	1500W MZ	2	2	0
4	P2, P4-P5 P8	60'	-	60'	1500W MZ	4	4	0
3	P3, P6-P7	60'	-	60'	1500W MZ	3	3	0
8	TOTALS					27	27	0



SCALE IN FEET 1 : 120

0' 120' 240'

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

MY PROJECT

Name: **Lemke Park FB/SO**
Location: Mequon, WI

GRID SUMMARY

Name: **Football/Soccer Area**
Size: 1' x 1'
Spacing: 30.0' x 30.0'
Height: 3.0' above grade

CONSTANT ILLUMINATION

SUMMARY	HORIZONTAL FOOTCANDLES
	Entire Grid
Guaranteed Average:	**20**
Scan Average:	20.1
Maximum:	29.4
Minimum:	12.3
Avg / Min:	1.63
Guaranteed Max / Min:	**3**
Max / Min:	2.39
UG (adjacent pts):	1.67
CU:	0.69
No. of Points:	139
LUMINAIRE INFORMATION	
Luminaire Type:	Green Generation
Design Usage Hours:	5,000 hours
Design Lumens:	134,000
Avg Lamp Tilt Factor:	1.000
No. of Luminaires:	27
Avg KW:	42.23 (45.9 max)

Guaranteed Performance: The Guaranteed Average CONSTANT ILLUMINATION described above is guaranteed for the design usage hours of the system.

Field Measurements: Illumination measured in accordance with IESNA LM-5-04 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: **Will Hartl**
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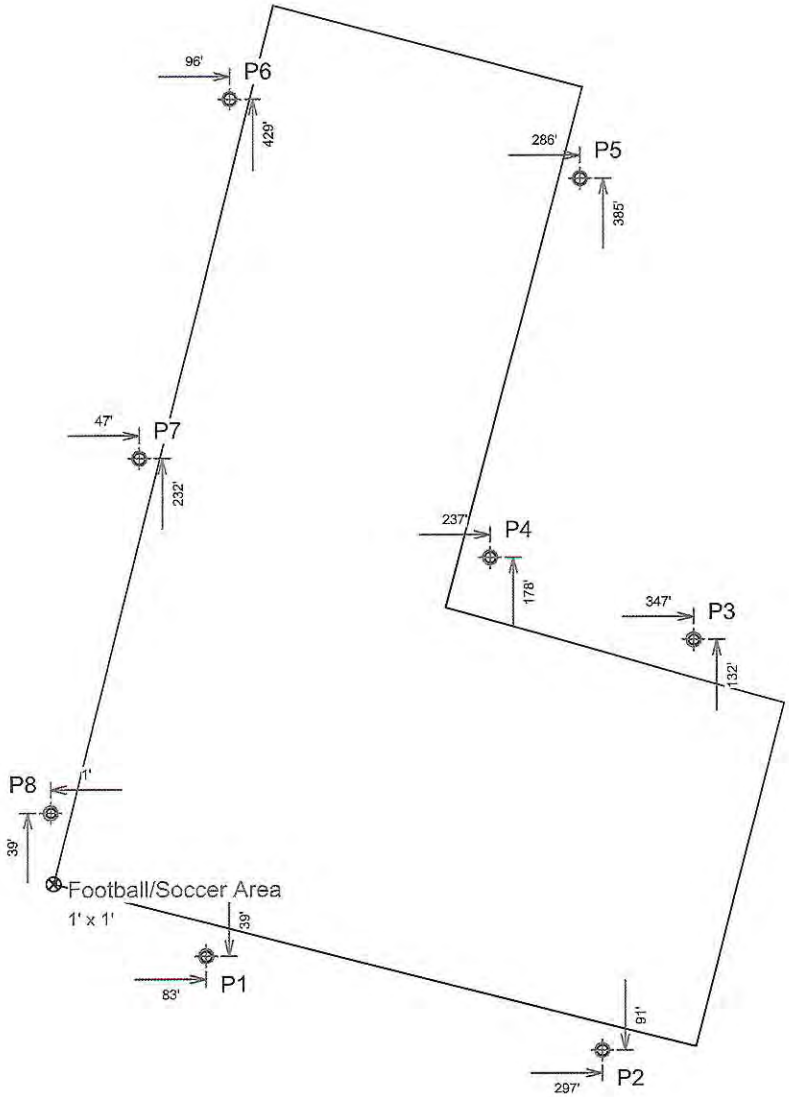
ILLUMINATION SUMMARY



SCALE IN FEET 1 : 100

0' 100' 200'

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

MY PROJECT

Name: **Lemke Park FB/SO**
Location: Mequon, WI

EQUIPMENT LAYOUT

INCLUDES:
· Football/Soccer Area

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.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires		
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE
1	P1	60'	-	60'	1500W MZ	2
4	P2, P4-P5 P8	60'	-	60'	1500W MZ	4
3	P3, P6-P7	60'	-	60'	1500W MZ	3
8	TOTALS					27

SINGLE LUMINAIRE AMPERAGE DRAW CHART

Ballast Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
1500 watt MZ	8.6	8.3	7.5	6.5	5.1	4.7	3.7

ENGINEERED DESIGN

By: **Will Hartl**
File # / Date: 160375a 01-Feb-16

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EQUIPMENT LAYOUT

Control System Summary

Project Specific Notes:

Project Information

Project #:	160375
Project Name:	Lemke Park FB SO
Date:	02/01/16
Project Engineer:	Will Hartl
Sales Representative:	Greg Smidt
Control System Type:	Control and Monitoring
Communication Type:	Digital Cellular
Scan:	160375a
Document ID:	160375P1V1-0201161130
Distribution Panel Location or ID:	Assumed
Total # of Distribution Panel Locations for Project:	1
Design Voltage/Hertz/Phase:	480/60/3
Control Voltage:	120

Equipment Listing

DESCRIPTION	APPROXIMATE SIZE
1.Control and Monitoring Cabinet	24 X 72

	QTY	SIZE
Total Contactors	8	30 AMP
Total Off/On/Auto Switches:	1	

Preliminary Plans
Confirm all Details - voltage,
# of distribution panels, etc.

Materials Checklist

Contractor/Customer Supplied:

- ❑ A single control circuit must be supplied per distribution panel location.
  - — If the control voltage is NOT available, a control transformer is required.
- ❑ Electrical distribution panel to provide overcurrent protection for circuits
  - — Thermal/Magnetic circuit breaker sized per full load amps on Circuit Summary by Zone Chart
- ❑ Wiring:
  - — Dedicated control power circuit
  - — Power circuit to and from lighting contactors
  - — Harnesses for cabinets at remote locations
  - — Means of grounding, including lightning ground protection
- ❑ Electrical conduit wireway system
  - — Entrance hubs rated NEMA 4: must be die-cast zinc, PVC, or copper-free die-cast aluminum
- ❑ Mounting hardware for cabinets
- ❑ Control circuit lock-on device to prevent unauthorized power interruption to control power
- ❑ Anti-corrosion compound to apply to ends of wire, if necessary

Call Control-Link Central ™ operations center at 877/347-3319 to schedule activation of the control system upon completion of the installation. Note: Activation may take up to 1 1/2 hours

IMPORTANT NOTES

1. Please confirm that the design voltage listed above is accurate for this facility. Design voltage/phase is defined as the voltage/phase being connected and utilized at each lighting pole's ballast enclosure disconnect. Inaccurate design voltage/phase can result in additional costs and delays. Contact your Musco sales representative to confirm this item.
2. In a 3 phase design, all 3 phases are to be run to each pole. When a 3 phase design is used Musco's single phase luminaires come pre-wired to utilize all 3 phases across the entire facility.
3. One contactor is required for each pole. When a pole has multiple circuits, one contactor is required for each circuit. All contactors are UL 100% rated for the published continuous load. All contactors are 3 pole.
4. If the lighting system will be fed from more than one distribution location, additional equipment may be required. Contact your Musco sales representative.
5. A single control circuit must be supplied per control system.
6. Size overcurrent devices using the full load amps column of the Circuit Summary By Zone chart- Minimum power factor is 0.9.

NOTE: Refer to Installation Instructions for more details on equipment information and the installation requirements

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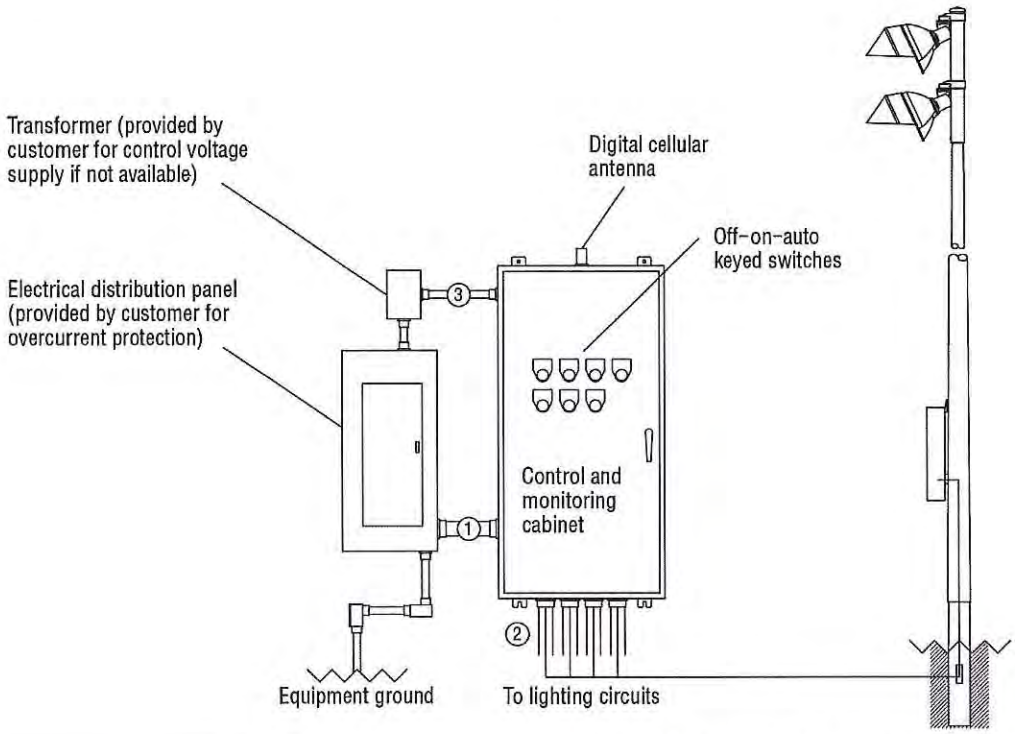
Control•Link® Control and Monitoring System



Wire	Description	# of Wires	Typ. Wire Size (AWG)	Max. Wire Length (FT)	Wire from Musco	Notes
1	Line power to contactors, and equipment grounding conductor	Note A	Note B	27	No	A – E
2	Load power to lighting circuits	Note A	Note B	N/A	No	A – D
3	Control power (dedicated, 20A)	3	12	N/A	No	C, D

R60-32-00_C

Notes:
A. Voltage and phasing per the notes on cover page.
B. Calculate per load and voltage drop.
C. All conduit diameters should be per code.
D. Refer to control and monitoring system installation instructions for more details on equipment information and the installation requirements.
E. Contact Musco if maximum wire length from circuit breaker to contactor exceeds value in chart.

IMPORTANT: Control (3) wires must be in separate conduit from line and load power wiring (1, 2).

Control System Summary

SWITCHING SCHEDULE

Field/Zone Description	Zones
Football/Soccer Area	1

CONTROL POWER CONSUMPTION	
120V Single Phase	
VA loading of Musco Supplied Equipment	INRUSH: 2548.0
	SEALED: 298.8

BALLAST SPECIFICATIONS .90 Minimum Power Factor	VOLTAGE: 480v			THREE PHASE			
BALLAST OPERATING VOLTAGE	208	220	240	277	347	380	480
1500 Watt Metal Halide Lamp Operating line amperage per fixture- maximum	8.6	8.3	7.5	6.5	5.1	4.7	3.7
1000 Watt Metal Halide Lamp Operating line amperage per fixture- maximum	6.5	6.4	5.8	4.9	4.0	3.6	2.9

CIRCUIT SUMMARY BY ZONE

POLE	CIRCUIT DESCRIPTION	# OF FIXTURES	FULL LOAD AMPS	CONTACTOR SIZE (AMPS)	CONTACTOR ID	ZONE
P1	Football/Soccer Area	2	**7.4**	30	C1	1
P2	Football/Soccer Area	4	**11.1**	30	C2	1
P3	Football/Soccer Area	3	**7.4**	30	C3	1
P4	Football/Soccer Area	4	**11.1**	30	C4	1
P5	Football/Soccer Area	4	**11.1**	30	C5	1
P6	Football/Soccer Area	3	**7.4**	30	C6	1
P7	Football/Soccer Area	3	**7.4**	30	C7	1
P8	Football/Soccer Area	4	**11.1**	30	C8	1

Control System Summary

PANEL SUMMARY

CABINET #	CONTROL MODULE LOCATION	CONTACTOR ID	CIRCUIT DESCRIPTION	FULL LOAD AMPS	DISTRIBUTION PANEL ID (BY OTHERS)	CIRCUIT BREAKER POSITION (BY OTHERS)
1	1	C1	Pole P1	7.40		
1	1	C2	Pole P2	11.10		
1	1	C3	Pole P3	7.40		
1	1	C4	Pole P4	11.10		
1	1	C5	Pole P5	11.10		
1	1	C6	Pole P6	7.40		
1	1	C7	Pole P7	7.40		
1	1	C8	Pole P8	11.10		

ZONE SCHEDULE

			CIRCUIT DESCRIPTION	
ZONE	SELECTOR SWITCH	ZONE DESCRIPTION	POLE ID	CONTACTOR ID
Zone 1	1	Football/Soccer Area	P1	C1
			P2	C2
			P3	C3
			P4	C4
			P5	C5
			P6	C6
			P7	C7
			P8	C8

City of Mequon

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Mequon, WI 53092-1930
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Office of the Parks & Operations Director

TO: Mequon Park Board
FROM: Don Curran, Director of Parks and Operations
DATE: February 12, 2016
SUBJECT: Monthly Report

Grasslyn Nature Preserve
Stewards for the Grasslyn Nature Preserve have requested that we place an order for seedling trees. As they have done in previous years the stewards will be planting the small trees that we order from Ozaukee County. As part of the planting process we also supply wire for protective cages and stakes to support the new trees.

Highland Woods
The Eagle Scout project that started last fall is officially complete. I met with the Scout and confirmed that the new trail markers and trail maps are completed and installed. The new improved signage should provide better guidance for park visitors.

Lemke Park
As noted elsewhere in the packet the Cardinal Football program has expressed an interest in adding lighting and other amenities to Lemke Park. Information will be presented as part of our meeting. Other user groups will also be contacted regarding their needs and interests.

River Barn Park
We were recently advised by Cardinal Football that they will no longer be playing home games at River Barn Park. After the installation of the new field at Homestead High School they now have an opportunity to relocate to that venue. With the synthetic surface there are no longer concerns about field damage due to wet conditions. This change opens up several opportunities at the park. Ozaukee Lacrosse has expanded and now offers a girls program. They will begin playing home games on the vacant football field that will provide a scoreboard, bleachers and electricity at the field. They will also be using two additional fields for weekday practices. We may at some point remove the football goalposts and reinstall them at Lemke Park where Cardinal Football practices.

I currently do not have any additional information regarding the possible installation of the cell tower. The applicant has not indicated when the project will commence.

Riverview Park
Parks Department staff recently discovered that the identification sign for Riverview Park had been vandalized. Footprints in the snow indicated that someone deliberately walked from a parked car to the sign and either punched or kicked it into several pieces. The Mequon Police Department was contacted to assist with the investigation. The sign will need to be replaced, estimated cost is $800.00.

Miscellaneous Activities and Updates

Parks Department staff is currently working to clean and prepare park pavilions for summer rentals. Rental requests have already started with repeat renters contacting us to reserve dates. Applications for sports use and field reservations are also underway.

The Super Pass program at the municipal pool will continue for 2016. The program was very well received last year with the majority of season pass holder electing to purchase the upgrade pass that allowed then to utilize pools in surrounding communities.

FYI

The following data are provided for your information. The FYI section is offered for your awareness and to give you further insight into happenings related to the Mequon City Park system.

The mission of the Park Board is to acquire, develop, and maintain the City of Mequon's park and open space for the purpose of providing active and passive recreational activities, land and water preservation and restoration, and environmental education for its residents.

THURSDAY
JANUARY 21, 2016

NEWS GRAPHIC

Huey Lewis to headline Gathering on the Green

Group has 13 top-10 hits

By Gary Achterberg
News Graphic Staff

MEQUON — Huey Lewis and the News will perform on Friday night at this year's Gathering on the Green in Rotary Park, Rob Kos, the new executive director, said Wednesday.

The summer music festival, which started in 1994, will take place on Friday, July 15 and Saturday, July 16. Details of Saturday's event will be announced later.

Grammy Award-winning Huey Lewis and the News are entering their 37th year together. Formed from two rival San Francisco-area bands in 1979, they boast 13 top-10 hits and have sold more than 20 million albums.

Their classic hits include "Heart of Rock 'n' Roll," "Stuck With You," "I Want a New Drug," "If This Is It," "Hip To Be Square," "Do You Believe in Love," and "Workin' For a Livin'." The group also wrote and performed "The Power of Love" and "Back in Time" for the film "Back to the Future."

Lewis

Kos said there is something special about a Huey Lewis live show. "They incorporate a variety of musical influences, including R&B and soul, to create their own unique sound," he said.

Last year, Kos was instrumental in booking Rick Springfield as the Friday night performer.

Tickets go on sale Jan. 30. For more information and for tickets, go to www.gathering-onthegreen.org or call 242-6187.

(Gary Achterberg can be reached at gachterberg-@conleynet.com.)