



CITY OF DURHAM | NORTH CAROLINA

Date: June 19, 2017

To: Thomas J. Bonfield, City Manager
Through: W. Bowman Ferguson, Deputy City Manager
From: Steven W. Hicks, Director, General Services Department
Subject: Purchase Contract with Musco Sports Lighting, LLC and the City of Durham for Sports lighting at Crest Street Park

Executive Summary

Crest Street Park located at 2503 Crest Street, has served the community for over 50 years. Park amenities include: one softball field, a basketball court, a restroom and a parking lot. Funding for lighting of the softball field was approved through the City's FY 2016 CIP. Installation of field lighting will make the field suitable for extended league play and increase programming potential.

The City proposes to execute a contract for the Musco Light-Structure Green Lighting System without competitive bidding, as the Musco system is the standard system for remote control sports lighting in City of Durham parks. The Musco Lighting System is in operation at 37 City of Durham sports fields and tennis courts, including the Durham Bulls Athletic Park and Durham Athletic Park. A contract for the purchase and installation of the lighting system is permitted under the sole-source exception to public contracting authorized by NCGS 143-129 (e) (6) on the basis of one or more of the following: (i) performance or price competition for a product are not available; (ii) a needed product is available from only one source of supply; or (iii) standardization or compatibility is the overriding consideration.

Recommendation

The General Services Department recommends that City Council:

Approve the sole source purchase and installation of new Musco Light-Structure Green Lighting System without competitive bidding

Authorize the City Manager to enter into a contract with Musco Sports Lighting, LLC, in the amount of \$218,000.00 for the purchase and installation of Sports Lighting for the Crest Street Park softball fields

Background

The City has a need for more baseball fields that can accommodate little league play. By adding sports lighting at the Crest Street Park baseball field, an additional baseball field will be available for programming and use in the evenings. The Musco Light-Structure Green Lighting System is compatible with the system that controls and monitors sports lighting at many City parks and achieves greater product performance over other competitive lighting systems in the following ways:

Musco's Smart Lamp Technology:

Musco's Light-Structure Green System guarantees light levels over the life of the lamp using a proprietary Smart Lamp technology. Musco Sports Lighting is the only manufacturer that can provide an independent test report certifying the system meets the lumen maintenance control strategy and has verified the field performance of the system for the duration of the useful life of the lamp based on lamp replacement hours.

Musco's Control Link System:

Control link is a reliable, cost effective system that will help to control, proactively monitor, and manage the field lights at Crest Street Park. Musco is the only manufacturer that can provide the Control Link Central team—staffed 24/7 to assist with scheduling and reporting needs. It allows for remote scheduling via phone or internet and provides detailed documentation of the field usage. Control Link is what allows Musco to notify Parks and Recreation of an outage or schedule conflict by sending a signal out to the system on a daily basis to detect any operating issues that may impact a play schedule. Musco's Control Link is the only patented system that both controls and monitors the system performance remotely which is essential to the 25 year warranty. Other benefits include:

- Saves energy and staff costs
- Allows flexible control
- Integrates with existing Control Link System throughout the City
- Increases security

Further, Musco's Light-Structure Green Lighting System will provide additional benefits to the City including the following:

Musco's Environmental Approach:

- Reducing energy consumption by over 40% over traditional lighting systems;
- City wide Life cycle cost savings (energy and maintenance costs) of over \$76,000.00 when compared to conventional lighting systems; and
- Using 39% fewer fixtures over traditional lighting systems.

Musco's Warranty:

- Musco supplies a signed warranty covering the entire system for 25 years. Warranty guarantees that light levels never fall below the target level throughout the lamp life; lamp replacements; system energy consumption; monitoring, all communication fees, maintenance and control services and spill light control.

Issues and Analysis

Purchasing without competitive bidding is allowed in certain instances under North Carolina law as an exception to public contracting in accordance with NCGS 143-129 (e) (6) when it can be shown that "(i) performance or price competition for a product are not available; (ii) a

needed product is available from only one source of supply; or (iii) standardization or compatibility is the overriding consideration.”

A contract for the purchase and installation of the Musco Light-Structure Green Lighting System meets the exception criteria above on the basis of: (a) performance and price competition for critical elements of the patented lighting technology are not available; (b) The Musco Light-Structure Green Lighting System is available from only one source of supply; and (c) The integral remote monitoring system is compatible with sports lighting systems already in place at 37 other City of Durham fields and facilities including the DBAP and DAP, and will continue the standardization of citywide remote monitoring systems.

The schedule for purchase and installation of the Musco lighting system is twelve weeks from notice to proceed.

Alternatives

There are no known alternatives at this time that meet the performance, compatibility and standardization for citywide remote control and monitoring systems at City’s athletic fields.

Financial Impact Funds for this project are currently budgeted and available as follows:

PROJECT BUDGET	
Survey	\$6,800.00
Title Search	\$1,450.00
Purchase and Installation	\$218,00.00
Fencing modifications	\$8,750.00
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	\$235,000.00
 FUNDING SOURCES	
Impact Fees	\$235,000.00
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Total Project Budget	\$235,000.00

Equal Business Opportunity Summary

This is a sole source item that was not reviewed by the Department of Equal Opportunity/Equity Assurance for compliance with the Ordinance to Promote Equal Business Opportunities with City Contracting.

Workforce statistics for Musco Sports Lighting LLC are as follows:

Total Workforce	<u>526</u>	
Total Females	232	(44%)
Total Males	294	(56%)
Black Males	0	(0%)
White Males	275	(52%)

Other Males	19	(4%)
Black Females	1	(0.1%)
White Females	218	(41%)
Other Females	13	(2%)

Attachments

Attachment A – Sample Purchase Contract

Attachment B – Schedule of Deliverables/Scope of Work

Attachment C - Map