INFORMATION

TO

FOLLOW

VILLAGE OF KEY BISCAYNE

Office of the Village Manager

MEMORANDUM

DATE: April 9, 2013

TO: Honorable Mayor and Members of the Village Council

FROM: John C. Gilbert, Village Manager

RE: North Village Green Permanent Lighting and St. Agnes Upgrade to "Control-Link"

RECOMMENDATION

It is recommended that the Village Council review the project information and authorize the Village Manager to return with a contract for Council approval or remove this item from the FY2013 CIP schedule.

BACKGROUND

The Village Council discussed this item at the March 12, 2013 Council Meeting. The Village Manager was directed to provide the information regarding this project. The lighting of the north side of the Village Green is $175,000, attached as Exhibit "A". The cost of the Musco "Control-Link" addition to the lights at St. Agnes is $9,000, attached as Exhibit "B". The estimated permit and inspection fees are $5,000. The total project cost is $189,000.

The FY2013 CIP allocates $180,000 for the North Village Green Lighting project. The remaining total of $9,000 would be funded by the Recreational Facilities Reserve line item.

If directed to proceed with this project, the Village Manager would return before the Village Council with a Resolution and a contract with Musco Lighting for the May 14, 2013 Council Meeting.

This project would be scheduled to be completed over the summer while the lights are being installed at the MAST Academy field.

Exhibit “A”

Quote

Village Green North
Key Biscayne, FL
Date: March 13, 2013
To: Todd Hofferberth
Pricing per Clay County Contract RFP# 08/09-3

Quotation Price - Materials and Turnkey Installation

Musco's Light Structure Green™ lighting system as described below and delivered to the job site $175,000.

- Pricing does not include Permitting Costs.

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 luminaires

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 level for 25 years
- 2 group re-lamp(s) at the end of the lamps' rated life, 5000 hours
- Control Link® Control & Monitoring System for flexible control and solid management of your lighting system
- Lighting Contactors sized for voltage and phasing on site

Field Description		Quantity		Pricing Per Clay County		Extended Price
(Sect I) Soccer Field		1		$90,067.00		$90,067.00
(Sect II G) Freight		1		$912.00		$912.00
(Sect III A)Pole Installation 70'		4		$3,795.00		$15,180.00
(Sec IV A) 200 Amp Service		1		$11,040.00		$11,040.00
(Sect IV B 1) Wiring from Panel to Contactors		4		$100.00		$400.00
(Sect IV B 2) Wiring from Contactors to Poles		1,500		$34.00		$51,000.00
(Sect IV B 3a) Brooks 38T pull box		4		$460.00		$1,840.00
(Sect IV B 3b) Connect pull box		4		$110.00		$440.00
(Section V A 3) Electrical Engineering		1		$5,750.00		$5,750.00
(Sect VD) Structural Drawings		1		$1,150.00		$1,150.00
(Sect VF) Project Management		1		$5,750.00		$5,750.00
Deducts:	Design Variables					-$8,529.00
Total						$175,000.00

Sales tax and **permitting costs** are not included as part of this quote.

Pricing furnished is effective for 60 days unless otherwise noted and is considered confidential. Divulging technical or pricing information to competitive vendors will result in removal from the bid list.

Payment Terms
Payment of 25% of the contract price is required with order. The contract balance is due Net 30 days.

Late payment will be subject to service charges of 1 ½% per month (18% APR).

Musco will make every effort to coordinate shipment so that delivery corresponds with the customer's payment schedule. We will expect payment within the terms described above unless there is a written statement from Musco's corporate headquarters stating the acceptance of different terms.

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 30-45 days. Due to the built-in custom light control per luminaire, pole locations need to be confirmed prior to production. Changes to pole locations after the product is sent to production could result in additional charges.

Notes

Quote is based on:

- Shipment of entire project together to one location
- Field size of 240' X 185' for Soccer Field
- Structural code and wind speed = 2010 FBC, 175 MPH HVHZ.
- Confirmation of pole locations prior to production

Scope of work includes:

Owner Responsibilities:

1. Total access to the site and pole locations for construction. Must be able to move from location to location on standard rubber tires – no towing required.
2. Survey in pole locations and aiming points (one per field) for sighting in lighting cross-arms. Final grade elevations will also need marked if necessary.
3. Removal of any trees, limbs, etc. for total access to pole locations.
4. Removal, replacement, and repair of all fencing necessary for construction.
5. Repair and replacement of any field turf, asphalt, and /or concrete damage.
6. Locate existing underground utilities including irrigation systems.
7. Pay for all permitting costs as required.
8. Extra costs associated with foundation excavation and construction in non-standard soils (rock, caliche, high water table, collapsing holes, alluvial soils, etc.). Standard soils are defined as Class 3 soils in the 2010 edition of the Florida Building Code and can be excavated using standard earth auguring equipment.
9. Provide primary transformer to within 150' of site.
10. Provide a source of water such as a fire hydrant or 2" water line for foundation excavation.
11. Provide adequate trash container for cardboard waste.

Musco Responsibilities / Musco Subcontractor Responsibilities:

1. Provide required poles, fixtures, and foundations and associated designs.
2. Provide structural design for poles and foundations, certified by a professional engineer licensed in the State of Florida.
3. Provide layout of pole locations and aiming diagram.
4. Provide light test upon owner supplied electrical system.
5. Provide Project Management assistance as needed.

6. Provide review of electrical design as provided by Electrical Contractor or Electrical Engineer.
7. Provide equipment and materials to off load equipment at jobsite per scheduled delivery.
8. Provide storage containers for material as necessary.
9. Provide adequate security to protect Musco delivered products from theft, vandalism or damage during the installation.
10. Provide electrical design by electrical engineer.
11. Obtain required permits, owner to pay cost of permits. Subcontractor to advise Musco of costs to subcontractor, if any, before proceeding with permitting.
12. Provide materials and equipment to install or upgrade existing electrical service panels as required or necessary. (This needs defined per Electrical design).
13. Provide materials and equipment to install all underground conduit, wiring, pull boxes etc. and terminate wiring as required per electrical design.
14. Confirm the existing underground utilities and irrigation systems have been located and are clearly marked so as to avoid damage from construction equipment. Repair any such damage during construction.
15. Provide materials and equipment to install Light Structure System foundations as specified on Layout.
16. Provide and install ground rods (one per pole location) for lightning protection per NFPA 780 Code. Poles 70' and below require a #2 ground wire. Poles 80' and above require 2/0 ground wire. Ground rods to be 3/4"x10' or 5/8"x8' with a 10' embedment. Ground rods must be installed in soil, not in the concrete backfill.
17. Provide equipment and materials to remove spoils from jobsite.
18. Provide materials and equipment to assemble and install Light Structure Green™ fixtures and terminate all necessary wiring.
19. Provide equipment and materials to assemble and erect Light Structure System Poles.
20. Provide equipment and materials to install the new Controls and Monitoring Cabinet and terminate all necessary wiring. Subcontractor to commission Control Link once system is energized.
21. Keep all heavy equipment off of playing fields when possible.
22. Provide startup and aiming as required to provide complete and operating sports lighting system.

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

Jason Frucht
Field Sales
Musco Sports Lighting, LLC
Phone: 954-732-5674
E-mail: Jason.frucht@musco.com

Exhibit “B”

100 1st Ave West ● PO Box 808 ● Oskaloosa, IA 52577
Phone: (800) 825-6020 ● Fax: (888) 397-8736

March 21, 2013

Village of Key Biscayne
Attn: Todd Hofferberth
88 W McIntyre St
Key Biscayne, FL 33149

Re: Control-Link Quote – St. Agnes Soccer & Basketball

Dear Todd,
Here is the Control-Link Quote that you requested. This quote includes the following…

Equipment
- (1) Remote Equipment Controllers (REC's)
- (2) Remote Off/On Auto Switches
- (1) Remote Switch Box

Zone 1: Soccer Zone 2: Basketball

- 10 year warranty on all equipment including labor

Equipment Installation
- Turnkey installation of all components by Musco
- Activation and testing of systems to ensure all units are fully funcional and operational

10 Years Control Link Central Service (CLC)
- 24/7 toll free access to CLC customer scheduling operators
- Access to Musco Control Link Scheduling Website

Total Equipment & Installation with 10 years of Service: $9,000.00*

*Please add applicable sales tax. Freight has been included.
Please feel free to call me to discuss any questions or concerns that you may have.
Sincerely,

Gene Fynaardt

Gene Fynaardt
Lighting Services Sales Representative
Musco Lighting

Field Description	Quantity	Pricing Per Clay County		Extended Price
(Sec 11) Adder Control & Monitoring Unit	1	$7,475.00		7,475.00
(Deduct for Monitoring)	1	$475.00		-$475.00
(Sec V F) Project Management	1	$5,750.00		$5,750.00
(Deduct for Project Management)	1			-$3,750.00
Total				$9,000.00

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