



**CITY OF FORT LAUDERDALE
City Commission Agenda Memo
REGULAR MEETING**

#13-0089

TO: Honorable Mayor & Members of the
Fort Lauderdale City Commission

FROM: Lee Feldman, ICMA-CM, City Manager

DATE: February 19, 2013

TITLE: Motion to approve a contract for Fort Lauderdale beach wave wall light
replacement, Invitation to Bid (ITB) 633-11078 - \$342,135

Recommendation

It is recommended that the City Commission approve a contract for the Fort Lauderdale beach wave wall light replacement project 11578 from the lowest cost, responsive and responsible bidder, Florida Safety Contractors, Inc., in the amount of \$342,135.

Background

In 2004, the entire wave wall lighting system was replaced with incandescent illuminators with color wheels and fiber optic lines including an extended five year warranty. Over the recent years, the color wheel moving parts and incandescent bulbs have required significant maintenance and were prone to failure due to harsh salt environment. The manufacturer has recently informed the City that the illuminators are no longer manufactured and replacement parts are unavailable. The existing fiber optic line is still in fair condition but is now nine years old and showing signs of wear and tear from recent storm events. The fiber optic lines are recommended for replacement for the wall to maintain its brilliance as an icon for the beach. Refurbishment of the wall paint is currently being discussed with paint manufactures.

The new industry product line of fiber optic lighting illuminators includes the use of Light Emitting Diode (LED) technology which has less power consumption and no moving parts for color changing or heat dissipation increasing the reliability and longevity. The new illuminators will be installed in weatherproof boxes and include an extended six year maintenance and replacement warranty.

The work includes removal and replacement of the existing 112 incandescent illuminators with new professional grade fiber optic LED illuminators inside a weatherproof box and replacement of 8,240 linear feet of fiber optic line from the entrance of Fort Lauderdale Beach Park to Sunrise Boulevard. The bid also includes a six year replacement and maintenance warranty along with additional programming of the illuminators four times per year. Replacement of the illuminators will commence immediately following issuing a notice to proceed and is anticipated to be completed within two months with no

interruption of beach activities. Replacement of the fiber optic lines is anticipated to be completed within two months but will be delayed until the months of April and May to minimize any disruptions during the peak spring break season. Construction activities related to replacement of the fiber optic line will be limited to a portion of the sidewalk immediately adjacent to the wave wall.

A mandatory pre-bid meeting was held on November 13, 2012 on-site to show bidders a completed LED illuminator and weatherproof box assembly prototype recently installed. The project bid opening was held on November 28, 2012 and three bids were received ranging from \$342,135 to \$518,541 as compared to the engineer's estimate of \$335,436. References were checked including the low bidder's proposed sub-contractor scheduled to perform the fiber optic line installation. The proposed sub-contractor has previously performed repairs to the wave wall to reconstruct damaged sections of the wall as result of vehicle accidents in 2011.

Based on the low bid being within 2% of the engineer's estimate and the positive response to the reference checks, staff recommends awarding this contract to the lowest cost, responsive and responsible bidder, Florida Safety Contractors, Inc.

Funding for the Beach Community Redevelopment Agency (CRA) portion of the project was approved at the meeting on September 20, 2011 as part of the 2012 Community Investment Program (CIP) in the amount of \$279,000.

Resource Impact

There is an estimated fiscal impact to the City in the amount of \$426,457.56; \$342,135 for the contract and \$84,322.56 for estimated engineering fees.

The 57 of 112 illuminators and the corresponding quantity of fiber optic lines are within the CRA funding limits. The remaining illuminators and fiber optic lines outside the CRA limits will be funded by the Special Obligation Construction 2008 Bond for Beach Improvements.

FUNDS AVAILABILTY LOCATION:								
FY	FUND	SUB FUND	FUND NAME	INDEX #	INDEX NAME	SUB OBJ #	SUBJECT NAME	AMOUNT
2013	343	01	SPECIAL OBLIGATION CONSTRUCTION 2008B	P 11578.343	BEACH WALL DECORATIVE LIGHTING SYSTEM	6599	CONSTRUCTION	\$ 168,016.91
2013	343	01	SPECIAL OBLIGATION CONSTRUCTION 2008B	P 11578.343	BEACH WALL DECORATIVE LIGHTING SYSTEM	6598	CONTINGENCY	\$ 16,801.69
2013	343	01	SPECIAL OBLIGATION CONSTRUCTION 2008B	P 11578.343	BEACH WALL DECORATIVE LIGHTING SYSTEM	6501	FORCE ACCT - ENGINEERING	\$ 24,608.56
2013	346	01	CENTRAL BEACH REDEVELOPMENT CIP	P 11578.346	BEACH WALL DECORATIVE LIGHTING SYSTEM	6599	CONSTRUCTION	\$ 174,118.09
2013	346	01	CENTRAL BEACH REDEVELOPMENT CIP	P 11578.346	BEACH WALL DECORATIVE LIGHTING SYSTEM	6598	CONTINGENCY	\$ 17,411.81
2013	346	01	CENTRAL BEACH REDEVELOPMENT CIP	P 11578.346	BEACH WALL DECORATIVE LIGHTING SYSTEM	6501	FORCE ACCT - ENGINEERING	\$ 25,500.50
							TOTAL	\$ 426,457.56

Attachment

Exhibit 1 – Bid Tabulation 633-11048 (Project 11578)

Prepared By: Rick Andrews, Procurement Specialist II
Carrie Keohane, Administrative Assistant I

Department Director: Albert J. Carbon, P.E., Public Works