



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

**FROM:** Lee R. Feldman, ICMA-CM, City Manager

**DATE:** November 19, 2013

**TITLE:** Motion to approve Work Orders 4, 5, 6, 7, and 8 with Engineer Control Systems Corporation, in the cumulative amount of \$394,960.12 to perform marine improvements and restoration at various locations – P11827

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**Recommendation**

It is recommended that the City Commission approve Work Orders 4, 5, 6, 7, and 8 with Engineer Control Systems Corporation (ECSC) to perform improvements and restoration at various locations under the City's annual contract for repair to seawalls, walkways, dolphin piles, fixed docks, floating docks and other items related to marine facilities maintenance.

**Background**

On December 18, 2012, the City Commission awarded an annual contract to ECSC to repair seawalls, walkways, dolphin piles, fixed docks, floating docks and other items related to marine facilities maintenance.

Work Orders under this contract in a cumulative amount over \$25,000 will be brought back to the Commission for approval in compliance with section 2-179 (5) of the City Code of Ordinances.

Portions of the existing seawall system are in need of reinforcement. Areas abutting the seawall have settled and buckled due to erosion and migration of soil into the canal at various locations. Reinforcement efforts will include, but will not be limited to, removals of soil materials and backfilling with concrete slurry. Some of the dolphin piles at Cooley's Landing need to be removed and replaced. Additionally, the concrete pier at George English needs to be replaced.

Furthermore, the City requested the contractor, Engineer Control Systems Corporation to perform full depth restoration of concrete where needed due to the deteriorating condition of the existing George English West piers while onsite during the initial scope of work. This work was not included in the original purchase order but needed to be performed to address the structural integrity and safe use of the pier.

The proposed work orders are as follows:

- Work Order 4 – Cordova and 9<sup>th</sup> Street – Seawall Repair - \$33,326.56
- Work Order 5 – Isle of Palm – Seawall Repair - \$244,373.56
- Work Order 6 – George English East – Replacement of Concrete Pier - \$80,825
- Work Order 7 – Cooley’s Landing – Installation of Dolphin Piles - \$19,620
- Work Order 8 – George English West – Delaminated Concrete Repair - \$16,815

Reinforcements to the existing seawall will prevent further erosion and soil mitigation, strengthen the concrete promenade framing system, and replace the utilities support, adding years to the seawalls useful life.

**Resource Impact**

There is a fiscal impact to the City in the amount of \$462,103.34. This amount includes \$394,960.12 for these Work Orders and \$ 67,143.22 for engineering fees.

FISCAL YEAR	FUND	SUBFUND	FUND NAME	INDEX #	INDEX NAME	SUBOBJECT #	SUBOBJECT NAME	AMOUNT
2014	343	01	SPECIAL OBLIGATION CONSTRUCTION 2008B	P11827.343	Seawall Replacement Along New River	6599	Construction	\$394,960.12
2014	343	01	SPECIAL OBLIGATION CONSTRUCTION 2008B	P11827.343	Seawall Replacement Along New River	6501	Force Account	\$67,143.22
							<b>TOTAL</b>	<b>\$462,103.34</b>

**Strategic Connections**

This item is a Press Play Fort Lauderdale Strategic Plan 2018 initiative, included within the **Infrastructure Cylinder of Excellence**, specifically advancing:

- Goal 2: Be a sustainable and resilient community
- Objective 2: Reduce flooding and adapt to sea level rise

Attachment: Exhibit 1 – Work Orders 4, 5, 6, 7, & 8

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