



# SANTA ROSA COUNTY ENGINEERING DEPARTMENT

ROGER BLAYLOCK, P.E.  
County Engineer  
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6051 Old Bagdad Highway, Suite 300 | Milton, Florida 32583

## MEMORANDUM

TO: Tony Gomillion, County Administrator

FROM: Roger A. Blaylock, P.E. County Engineer

DATE: June 1, 2016

RE: Navarre Beach Restoration Project Draft Change Order #1

### Discussion:

On December 10, 2015, the Santa Rosa County Board of County Commissioners awarded a construction contract to Weeks Marine Inc. to place about 1.3 million cubic yards of sand from immediately east of the Gulf Islands National Seashore to the eastern limits of the Navarre Beach Marine Park. Bid and contract quantities are based upon July 2014 beach profile surveys. The 2014 surveys indicated about 1,300,000 cubic yards of sand would be required to construct the Project. An additional 300,000 cubic yards were added in anticipation of additional erosion between July 2014 and the expected construction in 2016. Although the increased quantity of sand was not fully needed, additional erosion of the vegetated dune did occur necessitating an increased quantity of dune plants. Dredging operations began on April 29, 2016 with two hopper dredges operating from off-shore borrow area and has progressed to the western end of Navarre Beach. Tropical Storm Colin passed to the east of the Project area but caused flooding and adjustment of the lower beach berm width within the Project area which has resulted in a decrease in the required area of beach tilling. Since the issuance of the Notice-to-Proceed, sea conditions have occurred such that the CONTRACTOR could not safely conduct dredging operations, which provides a basis for the Contract Time extension. Dredging operations are slated to be complete by June 20 and full dredge equipment demobilization is programmed by June 27. Dune planting is slated for July 11-July 21.

### Finding:

Although final quantities have not yet been determined, expediting approval of a conditional change order next week will allow contractor to order and place additional plant materials prior to the next BOCC approval opportunity at their first meeting in July. This will allow project to proceed uninterrupted to closeout and re-imburement. DRAFT Change Order #1 reflects the expected final quantities and results in a net Contract Price reduction currently estimated at about \$1.8M.

### Action to be Considered:

Board approval is requested at this time to authorize the Contractor to order and install additional dune plants as identified in the DRAFT Change Order. Recommend that the Board:

- approve the form and intent of the attached DRAFT Change Order #1 – subject to revision as warranted to reflect final quantities, and
- authorize the Chairman to execute Change Order #1 upon determination of actual final quantities per the Contract Documents.

**Santa Rosa County**  
**NAVARRE BEACH RESTORATION PROJECT**  
**DRAFT Change Order No. 1**

**CONTRACTOR:** **Weeks Marine, Inc.**  
**304 Gaille Drive**  
**Covington, LA 70433**

**Background:**

This Change Order is to address final payment quantities and extension of the Contract Time. The Drawings that are the basis of the Bid and Contract quantities are based upon July 2014 beach profile surveys. The 2014 surveys indicated about 1,300,000 cubic yards of sand would be required to construct the Project; an additional 300,000 cubic yards were added to Bid Item 2 – Furnish and Install Sand - in anticipation of additional erosion between July 2014 and the expected construction in 2016. Although the increased quantity of sand was not fully needed, additional erosion of the dune did occur thus leading to an increased quantity of dune plants needed under Bid Item 4 – Furnish & Install Native Plants. During construction, Tropical Storm Colin passed to the east of the Project area but caused flooding and adjustment of the lower beach berm width within the Project area via elevated water levels and moderate wave activity; this adjusted width has resulted in a decrease in the area of beach tilling. Since the issuance of the Notice-to-Proceed, sea conditions have occurred such that the CONTRACTOR could not safely conduct dredging operations, which provides a basis for the Contract Time extension. The following describes the changes addressed by this Change Order:

**Bid Item 2 – Furnish and Install Sand:** The Contract quantity is reduced from 1,600,000 cubic yards to 1,340,000 cubic yards.

**Bid Item 3.2 – Dredge Standby:** The Contract quantity is reduced from 15 hours to 7.75 hours.

**Bid Item 4 - Beach Tilling:** The Contract quantity is reduced from 132 acres to 128 acres.

**Bid Item 5 Furnish & Install Native Plants:** The Contract quantity is increased from 112,000 plants to 238,000 plants. Due to the current availability of plants, the revised dune planting breakdown is as reflected in the following table.

<b>Plant Type</b>	<b>As – Bid &amp; Contract</b>		<b>Change Order 1</b>	
	<b>Percent Distribution</b>	<b>Quantity</b>	<b>Percent Distribution</b>	<b>Quantity</b>
Sea Oats	80.0%	89,600	80.0%	190,400
Dune Panic Grass	13.0%	14,560	13.0%	30,940
Railroad Vine	4.0%	4,480	4.0%	9,520
Dune Sunflower	3.0%	3,360	1.4%	3,360
Sea Purslane	0.0%	0	1.6%	3,780
<b>Totals</b>	<b>100.0%</b>	<b>112,000</b>	<b>100.0%</b>	<b>238,000</b>

**Contract Time Extension:** Under Section 34.7 of the Technical Specifications, the CONTRACTOR has documented 30 days that may qualify for a Contract Time extension due to seas at 4 feet or more when "the dredge could not safely perform dredging operations" due to limitations associated with Relocation Trawling required by Section 7.3 of the Technical Specifications. The CONTRACTOR has requested to extend the Contract Time due to weather delays by 20 days to June 27, 2016. By COUNTY acceptance of the Contract Time extension, the CONTRACTOR agrees to accept the unit prices for all bid items as bid and currently identified in the Contract and this Change Order.

Below is a summary of the Change Oder quantities and Contract Price:

Bid Item	Item Description	Unit Price	As Bid & Original Contract		Change Order 1	
			Quantity	Cost	Quantity	Cost
1	Mobilization/Demobilization	\$2,950,000 LS	1 LS	\$2,950,000	1 LS	\$2,950,000
2	Furnish & Install Sand	\$7.25 /cy	1,600,000 cy	\$11,600,000	1,340,000 cy	\$9,715,000
3.1	Permit Compliance - Including Turbidity Monitoring	\$75,000 LS	1 LS	\$75,000	1 LS	\$75,000
3.2	Dredge Standby	\$6,500 /hour	15 hours	\$97,500	7.75 hours	\$50,375
4	Beach Tilling	\$650 /acre	132 acres	\$85,800	128 acres	\$83,200
5	Furnish & Install Native Plants	\$1.00 each	112,000 plants	\$112,000	238,000 plants	\$238,000
			Total Base Bid	\$14,920,300	Contract Price	\$13,111,575

Net Change in Contract Price: -\$1,808,725

**MAXIMUM NET CHANGE IN CONTRACT PRICE** .....<\$1,808,725>

**CONTRACT COMPLETION DATE – June 27, 2016** for substantial completion.

**ENGINEER’S RECOMMENDATION**

I have examined the above changes. The price changes are reasonable and I recommend that the changes be made.

Witness:

Engineer:

COASTAL TECH – G.E.C., Inc.

\_\_\_\_\_

By:

Michael P. Walther, Vice – President

Print Name: \_\_\_\_\_

**CONTRACTOR'S OFFER**

I offer and agree to the above changes in said Contract, in accordance with the Technical Specifications for the price changes shown are satisfactory.

Witness: \_\_\_\_\_ Contractor:  
Weeks Marine, Inc.

\_\_\_\_\_ By: \_\_\_\_\_  
Tim Weckwerth, General Manager

Print Name: \_\_\_\_\_ Date: \_\_\_\_\_, 2016

BOARD OF COUNTY COMMISSIONERS,

ATTEST: Donald C. Spencer, Clerk of Court SANTA ROSA COUNTY, FLORIDA

By: \_\_\_\_\_ By: \_\_\_\_\_  
Deputy Clerk Lane Lynchard, Chairman

Approved:

By: \_\_\_\_\_  
Tony Gomillion, County Administrator

Approved as to form and legal sufficiency.

By: \_\_\_\_\_  
Roy Andrews County Attorney

June 14, 2016

Bid Item	Item Description	Unit Price	As Bid & Original Contract		Change Order 1	
			Quantity	Cost	Quantity	Cost
1	Mobilization/Demobilization	\$2,950,000 LS	1 LS	\$2,950,000	1 LS	\$2,950,000
2	Furnish & Install Sand	\$7.25 /cy	1,600,000 cy	\$11,600,000	1,340,000 cy	\$9,715,000
3.1	Permit Compliance - Including Turbidity Monitoring	\$75,000 LS	1 LS	\$75,000	1 LS	\$75,000
3.2	Dredge Standby	\$6,500 /hour	15 hours	\$97,500	7.75 hours	\$50,375
4	Beach Tilling	\$650 /acre	132 acres	\$85,800	128 acres	\$83,200
5	Furnish & Install Native Plants	\$1.00 each	112,000 plants	\$112,000	238,000 plants	\$238,000
			Total Base Bid	\$14,920,300	Contract Price	\$13,111,575

Net Change in Contract Price: -\$1,808,725