

St. Bernard Parish Conformed Copy

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ORION MARINE CONSTRUCTION INC

Index Type : MORTGAGES

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Description : CHANGE ORDER #1 -PROJECT LAKE LEARY MARSH CREATION

Recorded Information

I hereby certify that the attached document was filed for registry and recorded in the Clerk of Court's office for St. Bernard Parish, Louisiana

On (Recorded Date) : 10/20/2015

At (Recorded Time) : 9:26:56AM



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Change Order

No. 1

Date of Issuance: October 6, 2015 Effective Date: October 6, 2015

Project: Lake Lery Marsh Creation Project	Owner: St. Bernard Parish Government	Owner's Contract No.: HDCA 2015-03
Contract: Lake Lery Marsh Creation Project		Date of Contract: June 5, 2015
Contractor: Orion Marine Construction, Inc		Engineer's Project No.: 10001871

The Contract Documents are modified as follows upon execution of this Change Order:

Description:

Allow the contractor to fill the marsh creation site from EL 2.75 (+/-) to EL 3.5 (+/-)

Attachments (list documents supporting change):

Attachment A, B, C

CHANGE IN CONTRACT PRICE:

CHANGE IN CONTRACT TIMES:

Original Contract Price:

\$ 6,194,947.54

Increase from previously approved Change Orders No. 0 to No. 1:

\$0

Contract Price prior to this Change Order:

\$6,194,947.54

Increase of this Change Order:

\$ 186,583.86

Contract Price incorporating this Change Order:

\$ 6,381,531.40

Original Contract Times: Working days Calendar days

Substantial completion (days or date): 5-15-16

Ready for final payment (days or date): 5-31-16

Increase from previously approved Change Orders No. 0 to No. 1:

Substantial completion (days): na

Ready for final payment (days):na

Contract Times prior to this Change Order:

Substantial completion (days or date): 11-1-15

Ready for final payment (days or date): 11-1-15

Increase of this Change Order:

Substantial completion (days or date): 5-15-16

Ready for final payment (days or date): 5-31-16

Contract Times with all approved Change Orders:

Substantial completion (days or date): 5-15-16

Ready for final payment (days or date): 5-31-16

RECOMMENDED:

By: [Signature]
Engineer (Authorized Signature)

Date: 10/06/15

Approved by Funding Agency (if applicable):

ACCEPTED:

By: [Signature]
Owner (Authorized Signature)

Date: 10-7-15
David E. Perolita, President-SBPG

ACCEPTED:

By: [Signature]
Contractor (Authorized Signature)

Date: 10-7-15

Date: _____

ATTACHMNET "B" SUMMARY OF CHANGES – LAKE LERY MARSH CREATION PROJECT

ITEM 1. The Parish has decided to use the remaining grant funds to fill the marsh creation site to EL 3.5 (+/-).The cost also includes erosion control and installation of hay bales for the final lift.

CHANGE ORDER NO. 1
Lake Lery Marsh Creation

ITEM NO.	DESCRIPTION	ORIGINAL CONTRACT			CHANGE ORDER NO. 1		REVISED CONTRACT VALUES		
		UNIT PRICE	QUANTITY	PAY UNIT	BID	QUANTITY	AMOUNT	QUANTITY	AMOUNT
1	Mobilization and Demobilization	\$ 2,390,433.75	1	LS	\$ 2,390,433.75	0	\$ -	1	\$ 2,390,433.75
2	Surveying	\$ 354,786.48	1	LS	\$ 354,786.48	0	\$ -	1	\$ 354,786.48
3	Earthen Dike	\$ 217.21	5800.0	LF	\$ 1,259,818.00	0	\$ -	5,800	\$ 1,259,818.00
4	Marsh Creation Fill (Fill to EL 2.75)	\$ 4.65	466501	CY	\$ 2,169,229.65	(127,573)	\$ (593,214.45)	338,928	\$ 1,576,015.20
5	Settlement Plates	\$ 10,339.83	2.0	EA	\$ 20,679.66	0	\$ -	2	\$ 20,679.66
ADDITIONAL ITEMS									
X-1	Hay Bales	\$ 205,061.28	0.0	LS	\$ -	1	\$ 205,061.28	1.0	\$ 205,061.28
X-2	Estimated Settlement	\$ 4.65	0.0	CY	\$ -	45,000.00	\$ 209,250.00	45,000.0	\$ 209,250.00
X-3	Marsh Creation Fill (Fill to EL 3.50)	\$ 4.65	0.0	CY	\$ -	78,599.361	\$ 365,487.03	78,599.361	\$ 365,487.03
Base Bid					\$ 6,194,947.54		\$ 186,583.66		\$ 6,381,531.40



Orion Marine Construction Inc.
5440 W. Tyson Ave.
Tampa, Florida 33611
Phone: 813-839-8441

E-Mail: Jrackley@orionmarinegroup.com

September 11, 2015

A. Phillip Olivier, PE
Civil / Structural Engineer and Design Manager
AECOM

Lake Lery Marsh Creation

Installation of Hay Bales along East limits of the Marsh Fill Area and additional Fill to 3.5'

Dear Mr. Olivier

In response to St. Bernard Parrish's request to raise the final fill elevation from 2.75' to 3.5' Orion Marine Construction, Inc. "OMCI" has prepared the following proposal.

Raised Fill Height to 3.5'

The pre-construction as-built survey resulted in a required fill of 338,928 CY's to the 2.75' target elevation in Marsh Fill Area 1. In order to reach the newly desired elevation of 3.5' the fill volume would need to be increased by 78,599 CY's for a total of 417,527 CY's. Additionally there is an estimated volume of 45,000 CY's settlement that will need to be added the 417,527 CY's for a total estimated pay volume of 462,527 CY's. The total estimated pay volume of 462,527 CY's will be a reduction of 3,973 CY's and \$18,477.42 from the bid values.

OMCI estimates the additional 78,599 CY's to add a total of 12 days to the schedule. OMCI does not foresee these extra days interfering with finishing before November 1.

Hay Bale Installation along the East Limits of the Fill Area

If the fill height is raised to 3.5' then OMCI will need to raise the vertical limits of the east fill limits to ensure no material enters into the bayou. Since OMCI is prohibited to excavate in that area due to the Archeological area, OMCI proposes to install hay bales along these limits. OMCI proposes to install hay bales in two rows wide and two rows

high with stakes driven through to secure them in place. In addition to the hay bales OMCI plans to install turbidity curtain in the bayou along the bank to capture any fines that may seep thru the hay bales. The east limits of the fill area is approximately 4,500' in length and will require approximately 6,000 bales of hay and 45 100' long pieces of turbidity curtain. The lump sum price for this work is \$205,061.28. A breakdown of the cost is provided below:

Hay Bale Cost Breakdown	
Labor and Burden	\$34,164.03
Materials	\$111,428.89
Equipment	\$31,949.31
Total Cost	\$177,542.23
Overhead - 10%	\$17,754.22
Mark Up - 5%	\$9,764.82
Total Price	\$205,061.28

Once approved OMCI will immediately order all necessary supplies and coordinate all equipment and crew. OMCI has made arrangements with its vendors to start receiving materials within 1 business day of the order. OMCI estimates a total of 7 days to install the necessary hay bales and turbidity curtain along the east limits of the fill area.

Estimated Final Contract Price

The difference between the reduction in quantities and the addition of the hay bale installation cost is an increase in the contract of \$186,583.86. Below is a breakdown of the proposed changes and estimated final contract price.

ITEM NO.	DESCRIPTION OF ITEM	U/M	Unit Price	Original		Change Orders		Total	
				Units	\$	Units	\$	Units	\$
	Fixed Price								
001	Mobilization and Demobilization	LS	\$ 2,390,433.75	1.0	2,390,433.75	0.0	0.00	1.0	2,390,433.75
002	Surveying	LS	\$ 354,786.48	1.0	354,786.48	0.0	0.00	1.0	354,786.48
	Unit Pricing								
003	Earthen Dike	LF	\$ 217.21	5,800.00	1,259,818.00	0.0	0.00	5,800.00	1,259,818.00
004	Marsh Creation Fill - Pre Dredge Volumes to 2.75'	CY	\$ 4.65	466,501.00	2,169,229.65	(127573.00)	(593214.45)	338,928.00	1,576,015.20
005	Settlement Plates	EA	\$ 10,339.83	2.00	20,679.66	0.0	0.00	2.00	20,679.66
	Additional Items								
006	Hay Bale back Levee	LS	\$ 210,765.23			1.0	205,061.28	1.00	205,061.28
007	Estimated Settlement	CY	\$ 4.65			45,000.0	209,250.00	45,000.00	209,250.00
008	Marsh Creation Fill - 2.75' to 3.5' over 2,829,577 SF	CY	\$ 4.65			78,599.4	365,487.03	78,599.36	365,487.03
Totals						6,194,947.54		186,583.86	6,381,531.40

Fill Area Acceptance

Please note that OMCI is proposing to fill the marsh area to an elevation of 3.5' but will only agree to it if the acceptance height remains at 2.75'. To clarify, OMCI will only be required to fill the Marsh Fill Area to 2.75' (+/- 0.25') and will be paid up to 3.5' in the Marsh Fill Area.

Please do not hesitate to contact me if you have any questions or concerns about the proposal.

Sincerely,

Jared
Rackley

Digitally signed by Jared
Rackley
DN: cn=Jared Rackley,
o=Orion Marine Construction,
Inc. Co.,
email=j.rackley@orionmarine
group.com, c=US
Date: 2015.09.11 12:46:08
-0700

Jared Rackley
Project Manager
Orion Marine Construction, Inc.