

**Completion Report
for
East Marsh Island Marsh Creation Project
(TV-21)
Iberia Parish, LA**



**LOUISIANA OFFICE OF COASTAL
PROTECTION AND RESTORATION**

PREPARED BY:

**AUCOIN & ASSOCIATES, INC.
P.O. BOX 968
EUNICE, LA 70535**

March 2011

A&A File No. 09-28-01

**Completion Report for
East Marsh Island Marsh Creation Project (TV-21)
Iberia Parish, LA**

March 2011

1. Significant Dates/Numbers:

Contract Award:	February 18, 2010
Notice to Proceed	March 4, 2010
Pre-Construction Conference:	February 25, 2010
Original Completion Date:	November 9, 2010
Modified Completion Date:	February 7, 2011
Commencement Date:	March 14, 2010
Actual Completion Date:	December 11, 2010
Original Contract Amount:	\$13,164,375.00
Modified Contract Amount:	\$17,820,055.37

2. Prime Contractor:

Weeks Marine, Inc.
304 Gaille Drive
Covington, LA 70433

3. Subcontractors:

Wilco Marsh Buggies, Inc. 1304 Mac Arthur Avenue Harvey, LA 70058	T. Baker Smith, Inc. 412 South Van Avenue Houma, LA 70363
---	---

4. Project Personnel:

OCPR Construction Manager	Darrell Pontiff, PE	(337)482-0683
OCPR Project Engineer	Dain Gillen, PE	(225)342-6307
OCPR Project Engineer	Rudy Simoneaux, PE	(225)342-6750
OCPR Project Manager	Brad Miller	(225)342-4122
NRCS Construction Manager	Dale Garber	(337)783-1257
EPA Construction Manager	Paul Kaspar	(214)665-7459
A&A Construction Manager	David Hidalgo, PE	(337)457-7366
A&A Construction Inspector	Craig Taylor	(337)288-8991
Weeks Marine Project Manager	Gary Johnson	(985)875-2500

5. Major Equipment Utilized:

Dredge "Venture"
Booster Pump 3302
Tug Boat "Lisa Lynn"
Tug Boat "Kathy Pawg"
Tug Boat "Robert B"
Crew Boats "Delta Lightning" and "Delta Speed"
Rental Airboat
Survey Boat "Trinity"
Crane BT-160
Marsh Buggies WMI 8610, WMI 8606, Wilco 80
Dragline LS-108B

6. Items of Work:

<u>1</u>	<u>Mobilization and Demobilization, Lump Sum</u>	\$2,450,000.00
<u>2</u>	<u>Surveying, Lump Sum</u>	\$175,000.00
<u>3</u>	<u>Containment Dike Construction, Maintenance, and Degradation,</u> 23,139 L.F.	\$578,475.00
<u>4</u>	<u>Earthen Plug, 820 L.F.</u>	\$102,500.00
<u>5</u>	<u>Hydraulic Dredging (Cut Volume), 2,304,181 C.Y.</u>	\$8,064,633.50
<u>6</u>	<u>Grade Stakes, Lump Sum</u>	\$10,000.00
<u>7</u>	<u>Settlement Plates, 4 Each</u>	\$14,000.00
<u>8</u>	<u>Hay Bales for Containment Dike Problem Areas, Lump Sum</u>	\$25,806.90
<u>9</u>	<u>Mobilization and Demobilization for Additional Areas, Lump Sum</u>	\$350,000.00
<u>10</u>	<u>Containment Dike Construction, Maintenance, and Degradation for</u> <u>Additional Areas, 11,331 L.F.</u>	\$283,275.00
<u>11</u>	<u>Hydraulic Dredging (Cut Volume) for Additional Areas,</u> 1,532,028 C.Y.	\$5,745,105.00
<u>12</u>	<u>Repair of Earthen Dike Failure, Lump Sum</u>	\$21,259.97
TOTAL		\$17,820,055.37

7. Work Description - Start, Finish, Progress, Etc.:

02/25/10 - 03/26/10: A pre-construction conference was held on 02/25/10 at the Lafayette District office of OCPR to discuss the scope of the project, responsibilities of all parties involved, time schedule and sequence of construction, and coordination of construction inspection activities. Representatives from OCPR, NRCS, LDWF, Weeks Marine, Wilco, T. Baker Smith, and A&A were in attendance at this meeting. The contractor was given the Notice to Proceed on 03/04/10, and began construction on 03/14/10. During this time period, T. Baker Smith began the construction layout survey for the earthen containment dikes.

- 03/27/10 - 06/20/10: Wilco mobilized (03/27/10) four (4) marsh buggy excavators to begin the earthen containment dike construction and earthen plug construction. Wilco completed the containment dikes and earthen plug on 05/24/10. T. Baker Smith completed the construction layout surveys, pre-construction fill area surveys, and pre-construction dredge borrow area surveys. Also, the settlement plates and survey grade stakes were installed. Weeks Marine began laying the dredge discharge pipeline on 06/10/10 prior to the arrival of the dredge.
- 06/21/10 - 07/10/10: Weeks Marine mobilized (06/21/10) the hydraulic dredge *Venture* and began dredging operations on 06/23/10, discharging into Fill Area 1. The first lift of the dredge fill into Fill Area 1 was completed on 07/10/10.
- 07/11/10 - 08/02/10: Weeks Marine began discharging into Fill Area 2 on 07/11/10. The first lift of the dredge fill into Fill Area 2 was completed on 08/01/10. OCPR received permit to discharge into four additional areas adjacent to the original fill areas.
- 08/03/10 - 08/15/10: Weeks Marine began discharging into Additional Fill Area 2 on 08/03/10, while waiting for the 28-day settling period to expire for the first lift in Fill Area 1.
- 08/16/10 - 09/15/10: Weeks Marine began discharging again into Fill Area 1 for the second lift. The second lift of the dredge fill into Fill Area 1 was completed on 08/25/10. Weeks Marine began discharging again into Additional Fill Area 2 on 08/26/10, while waiting for the 28-day settling period to expire for the first lift in Fill Area 2. A booster pump arrived on 09/08/10 to assist the dredge *Venture* for the remainder of the project.
- 09/16/10 - 10/07/10: Weeks Marine began discharging again into Fill Area 2 for the second lift. The second lift of the dredge fill into Fill Area 2 was completed on 09/20/10. Weeks Marine began discharging into Additional Fill Area 3 and Additional Fill Area 4 on 09/20/10.
- 10/08/10 - 11/04/10: Weeks Marine began discharging into Additional Fill Area 1 on 10/08/10 and again into Additional Fill Area 2 on 10/11/10. All dredging operations were completed on 11/04/10.
- 11/05/10 - 12/11/10: Upon completion of the dredging operations, Weeks Marine demobilized the hydraulic dredge *Venture*, removed the dredge discharge pipeline and the weir boxes, degraded the required containment dikes, removed all of the survey grade stakes, and completed the asbuilt surveys for the borrow area and fill areas.

Following the final inspection on 11/18/10, OCPR accepted the project as substantially complete. Demobilization of all equipment from the project site was completed on 12/11/10.

8. Modifications and Changes:

There were a few modifications and changes to the original plans and the original plan quantities for the project. Two (2) field orders and five (5) change orders were executed throughout the duration of the project.

Field Order No. 1, executed on 05/13/10, slightly modified the technical specifications for completing the Borrow Area Surveys required for monthly pay estimate calculations. No additional contract time or compensation was added to the contract.

Change Order No. 1, executed on 06/24/10, slightly increased the quantity for the Containment Dikes to reflect minor field adjustments in the dike alignments, modified the alignment and increased the quantity for the Earthen Plug, and added a pay item for the placement of hay bales in two (2) problem areas of the containment dikes. A total of 15 days was added to the contract time for the change order items.

Field Order No. 2, executed on 08/05/10, allowed the contractor to pump dredge fill material into Additional Fill Area 2 while waiting for the 28-day settling periods between construction lifts in Fill Area 1 and Fill Area 2. The contractor utilized the same unit price for Hydraulic Dredging established in the contract documents, and no additional contract time was added to the contract.

Change Order No. 2, executed on 08/19/10, established new contract pay items for Mobilization and Demobilization, Containment Dikes, and Hydraulic Dredging for the permitted Additional Fill Areas located north and west of the original Fill Areas depicted on the plan drawings. New unit prices were established for these contract pay items, and a total of 75 days was added to the contract time for the change order items.

Change Order No. 3, executed on 09/30/10, established a contract pay item for the repair of a section of earthen dike in Fill Area 2 that failed. The dike failure was repaired by installing a timber retaining wall, consisting of used dragline mats, across the failed section.

Change Order No. 4, executed on 11/01/10, decreased the quantity for Hydraulic Dredging for the original Fill Areas 1 and 2 to allow for an increased quantity for Hydraulic Dredging for the Additional Fill Areas.

Change Order No. 5, executed on 12/10/10, adjusted the contract quantities to reflect the actual asbuilt quantities for Hydraulic Dredging for the original Fill Areas, Containment Dikes for the Additional Areas, and Hydraulic Dredging for the Additional Fill Areas.

9. Quality Control:

Quality control was administered by the contractor (Weeks Marine) and the project engineer (A&A). Daily QC Reports were compiled by Weeks Marine, approved by A&A, and e-mailed to OCPR throughout the duration of the project. Also, bi-weekly construction progress meetings were held on the jobsite throughout the duration of the project.

10. Environmental:

The contractor's concern towards environmental quality control was satisfactory. No reports were needed for the project. The contractor made every effort to make no adverse environmental impact on the area.

11. Safety/Accidents:

No major accidents occurred for the duration of the project.

12. Final Acceptance:

A final inspection of the project was conducted on November 18, 2010, by Darrell Pontiff and Pat Landry of OCPR/Lafayette Field Office, Rudy Simoneaux of OCPR/Restoration Division, Paul Kaspar of EPA, Dustin Perron of NRCS, and Craig Taylor of A&A. The project was accepted as substantially complete on November 18, 2010.

David P. Hidalgo, PE
A&A Construction Manager



Containment dike construction



Earthen plug construction



Hay bale repair of containment dike



Completed containment dike construction



Weir discharge boxes



Discharge pipe and dump crew



Dredge “Venture”



Repair of containment dike blowout with timber mats



Completed fill area within original marsh creation cell



Completed additional fill area No. 3

FIELD ORDER NO. 1

OWNER:	State of Louisiana
CONTRACTOR	Weeks Marine, Inc.
PROJECT:	East Marsh Island Marsh Creation Project (TV-21)
FILE NO:	Q27623DL
PURCHASE ORDER NO:	3568700
ENGINEER:	Office of Coastal Protection and Restoration

You are directed to promptly execute this Field Order No. 1 in accordance with Section GP-42 "Modifications to the Work". This minor change in the work will involve no adjustments in the Contract Price or Contract Time.

Description:

- Modify the following technical specifications to read as follows:

- 3.4.1 Borrow Area Surveys: As dredging occurs, transects and alignments within the Borrow Area shall be surveyed at the same spacing as the pre-construction survey for areas that have been dredged during the current pay period and for areas that will be dredged in the subsequent pay period. These pre- and post-dredging surveys must be conducted on a time interval equal to or less than the pay period. Pre-dredging surveys shall be conducted immediately before the beginning of a respective pay period and post-dredging surveys shall be conducted immediately following a pay period. The elevation and coordinates for each survey point shall be recorded and used to create plan views and cross sections of the borrow areas. **Dredged volumes will be calculated using only surveys from consecutive pay periods to determine measurement and payment.** These volumes shall be used for partial payment and for comparisons of quantity of material dredged with the quantity of material placed.
- 3.5.1 Borrow Area Surveys: The As-Built Survey shall incorporate the cross sections and plan views from the process surveys. It shall include the elevation and coordinates for each survey point recorded and used to create plan views and cross sections of the final borrow areas. The volume shall be determined using AutoCAD or an approved equal. The volume calculation method must be approved by the Engineer.
- 7.10.1 Measurement and Payment: Payment for this item shall be paid for at the contract unit price per cubic yard for Bid Item No. 5, "Hydraulic Dredging (Cut Volume)". Price and payment shall constitute full compensation for furnishing all plant, labor, materials and equipment

for dredging, satisfactory placement of dredged material into designated areas, all operations necessary for dewatering of spoil material, and performing all Work as specified herein. Payment will be based on the Process Surveys and made by the cubic yard removed from the borrow area. There will be no payment for over-dredging in excess of the quantities, lines, grades, and elevations shown on the Plans and stated in these Specifications. **There will be no payment for material dredged outside of areas surveyed in subsequent pay periods.** Volume calculation methods must be approved by the Engineer. The Engineer may require material placed above the elevation tolerance to be removed.

The Contractor may request partial payment on a monthly basis. The volume calculated for the partial payment will be determined by the process survey cross sections of the borrow area that are submitted by the Contractor and approved by the Engineer. Final Payment will be based on the as-built surveys of the borrow area.

RECOMMENDED:

By: Darin Gullen
OCPR Design Engineer

Date: 5/3/10

RECOMMENDED:

By: Daniel Pantoff
OCPR Construction Manager

Date: 5/5/10

ACCEPTED:

By: Darryl W. Johnson
Contractor

Date: 5-13-10

FIELD ORDER NO. 2

OWNER: State of Louisiana
CONTRACTOR Weeks Marine, Inc.
PROJECT: East Marsh Island Marsh Creation Project (TV-21)
FILE NO: Q27623DL
PURCHASE ORDER NO: 3568700
ENGINEER: Office of Coastal Protection and Restoration

You are directed to promptly execute this Field Order No. 2 in accordance with Section GP-42 "Modifications to the Work". This minor change in the work will involve no adjustments in the Contract Price or Contract Time.

Description:

The Contractor is allowed to pump dredge fill material into a new permitted area west of the original FILL AREAS depicted on the plan drawings. The new designated fill area is shown on the attached map as **Area 2**. The reason for pumping into this area is because more material is present in the contract quantity than will be necessary to fill the original marsh creation areas. In addition, this will prevent down time for the dredging operation while waiting for the required 28 days of settling time to elapse between construction lifts. Compensation for this work will be included in Bid Item No. 5 "HYDRAULIC DREDGING (CUT VOLUME)" at the unit price of \$3.50 / C.Y., established in the contract documents.

RECOMMENDED:

By: Dani Gillen
OCPR Design Engineer

Date: 8/5/10

RECOMMENDED:

By: Daniel Pontoff
OCPR Construction Manager

Date: 8/5/10

ACCEPTED:

By: Darryl W. Johnson
Contractor

Date: 8-5-10



CHANGE ORDER NO. 1

OWNER: State of Louisiana, Office of Coastal Protection and Restoration
CONTRACTOR: Weeks Marine, Inc.
PROJECT: East Marsh Island Marsh Creation Project (TV-21)
FILE NO: Q27623DL
PURCHASE ORDER NO: 3568700
ENGINEER: OCPR/Aucoin & Associates, Inc.

The following changes are hereby proposed to be made to the Contract Documents:

- Increase contract quantity for Bid Item No 3, "Containment Dike Construction, Maintenance, and Degradation," from 22,500 LF to 23,139 LF.
- Increase contract quantity for Bid Item No 4, "Earthen Plug," from 635 LF to 820 LF.
- Add to contract Item No. 8, "Hay Bales for Containment Dike Problem Areas," Lump Sum

Description: See attached summary.

Attachments (list documents supporting change):

- Letters of Request for Change Orders from Weeks Marine, Inc. dated 5/31/2010 (2 sheets) and 6/08/2010 (1 sheet)

Change in Contract Price		Change in Contract Time	
Original Contract Price	\$13,164,375.00	Original Contract Time (calendar days)	250
Net Increase (Decrease) from previous Change Orders	\$0.00	Net Increase (Decrease) from previous Change Orders (days)	0
Contract Price prior to this Change Order	\$13,164,375.00	Contract Time prior to this Change Order (calendar days)	250
Net Increase (Decrease) of this Change Order	\$64,906.90	Net (Increase) Decrease of this Change Order (days)	15
Contract Price with this Change Order	\$13,229,281.90	Contract Time with this Change Order (calendar days)	265

RECOMMENDED:

By: *Dani Geller*
OCPR Design Engineer

Date: 6/24/10

RECOMMENDED:

By: *Daniel Parrott*
OCPR Construction Manager

Date: 6/24/10

ACCEPTED:

By: *Bary W. Johnson*
Contractor

Date: 6-24-10

EAST MARSH ISLAND MARSH CREATION PROJECT (TV-21)
FILE NO: Q27623DL, PURCHASE ORDER NO: 3568700

SUMMARY OF CHANGE ORDER NO. 1

ITEM NO.	DESCRIPTION	UNIT	ORIGINAL QUANTITY	ADJUSTED QUANTITY	UNIT PRICE	AMOUNT OVERRUN	AMOUNT UNDERRUN
3	Containment Dikes	Linear Foot	22,500	23,139	\$25.00	\$15,975.00	
4	Earthen Plug	Linear Foot	635	820	\$125.00	\$23,125.00	
8	Hay Bales	Lump Sum	0	1	\$25,806.90	\$25,806.90	
Total Amount Overrun						\$64,906.90	
Total Amount Underrun							\$0.00
Net Increase (Decrease) of this Change Order						\$64,906.90	

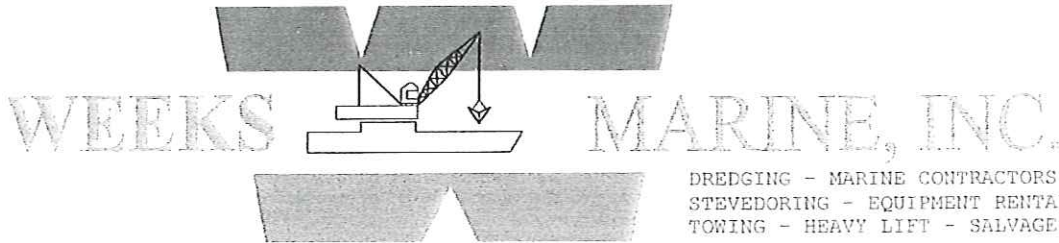
JUSTIFICATION:

Change Order No. 1 increases the length of the Containment Dikes from 22,500 linear feet to 23,139 linear feet. The increase in footage reflects minor field adjustments in the dike alignment to avoid areas where existing canals and lakes were located. The quantities for this item were verified from as-built surveys.

Change Order No. 1 modifies the alignment and increases the length of the Earthen Plug from 635 linear feet to 820 linear feet. The earthen plug alignment was adjusted in the field to accommodate existing ground conditions and available borrow material. The quantities for this item were verified from as-built surveys, and the revised alignment is depicted on the as-built drawings.

Change Order No. 1 adds a pay item (No. 8) for the placement of hay bales in two (2) problem areas of the containment dikes. Numerous lifts were attempted to construct the containment dikes in the two problem areas, which proved unsuccessful in achieving the desired elevation. It was decided by the contractor, design engineer, and construction engineer to utilize the hay bales in these areas.

Change Order No. 1 adds a total of 15 days to the contract time to accomplish the additional work for the change order items.



301 GAIL LE DRIFT • COVINGTON, LA 70433 • (504) 895-1975 • FAX 800-377-7676

Aucoin & Associates, Inc.
433 N. CC Duson St.
P.O. Box 968
Eunice, LA 70535

June 8, 2010

Attention: Mr. David P. Hidalgo, P.E.

Reference: East Marsh Island Marsh Creation Project (TV-21)
File Number: Q27623 DL
Iberia Parish, Louisiana

Subject: Request for Change Order to Bid Item #3: Containment Dike Construction and
Bid Item #4: Earthen Plug

Dear Sir:

Weeks Marine, Inc. respectfully requests permission to revise the amount of containment dike footage and the amount of earthen plug footage to match the amount of footage that was actually constructed due to realignment changes. Changes were made in the field to avoid areas where existing canals and lakes were located in the dike alignment. The changes were discussed at previous site meetings and agreed to. The containment dike template has not changed. The earthen plug template was revised to accommodate the existing ground conditions and the existing type of available borrow material. We are not requesting any price per linear foot adjustment on these items. We are requesting payment for the additional linear feet built based on the current unit prices.

As built surveys indicate an increase in linear footage for both bid items. The total containment dike footage is 23,139 LF, an increase of 639 LF.

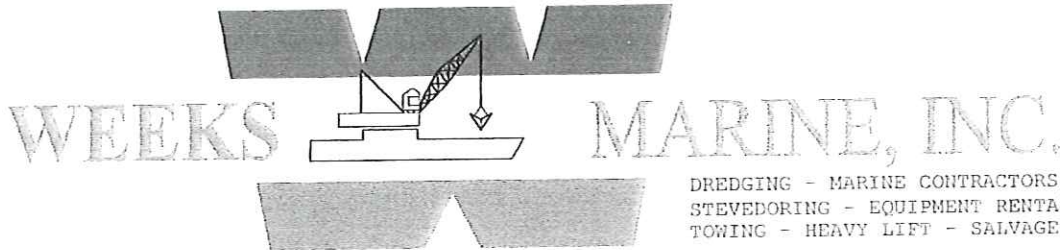
The total earthen plug footage is 820 LF, an increase of 185 LF.

We are requesting an additional 9 days be added to the contract time to cover this work.

If you have any questions or require any additional information please don't hesitate to contact me at 985-237-5026.

Regards,
WEEKS MARINE, INC.

Gary W Johnson
Project Manager
cc: Charles Granger



301 GAIL F DRIVE • COMINGTON, LA 70439 • Office (985) 475-2400 • Fax (985) 475-2473

Aucoin & Associates, Inc.
433 N. CC Duson St.
P.O. Box 968
Eunice, LA 70535

May 31, 2010

Attention: Mr. David P. Hidalgo, P.E.

Reference: East Marsh Island Marsh Creation Project (TV-21)
File Number: Q27623 DL
Iberia Parish, Louisiana

Subject: Request for Change Order to Bid Item #3: Containment Dike Construction

Dear Sir:

Weeks Marine, Inc. respectfully requests permission to revise the method of construction of the containment dikes in two problem areas. It has been determined that the containment dikes cannot be completely constructed to the required project dimensions at these three locations. The dikes have been built to grade at least 7 times but have subsided to approximately 1 1/2 feet below grade each time. The problem areas are located where existing canals and lakes were located in the dike alignment.

We are proposing to add large hay bales into the construction of the dikes at the problem areas. The hay bales will provide stabilization to the dikes and provide a better foundation in which to build the dike on. We are requesting an additional 6 days be added to the contract time to cover this work.

Attached find a worksheet and breakdown determining the added cost for labor and equipment.

If you have any questions or require any additional information please don't hesitate to contact me at 985-237-5026.

Regards,
WEEKS MARINE, INC.

Gary W. Johnson
Gary W Johnson
Project Manager

cc: Charles Granger

CHANGE ORDER NO. 2

OWNER: State of Louisiana, Office of Coastal Protection and Restoration
CONTRACTOR: Weeks Marine, Inc.
PROJECT: East Marsh Island Marsh Creation Project (TV-21)
FILE NO: Q27623DL
PURCHASE ORDER NO: 3568700
ENGINEER: OCPR / Aucoin & Associates, Inc.

The following changes are hereby proposed to be made to the Contract Documents:

- Add to contract Item No. 9, "Mobilization and Demobilization for Additional Areas," Lump Sum
- Add to contract Item No. 10, "Containment Dike Construction, Maintenance, and Degradation for Additional Areas," 10,000 Linear Feet
- Add to contract Item No. 11, "Hydraulic Dredging (Cut Volume) for Additional Areas," 1,000,000 Cubic Yards

Description: See attached summary.

Attachments (list documents supporting change):

- Letter from Weeks Marine, Inc. dated 8/10/2010 (1 sheet) containing quote (unit prices) for additional work.
- Map showing Additional Areas

Change in Contract Price		Change in Contract Time	
Original Contract Price	\$13,164,375.00	Original Contract Time (calendar days)	250
Net Increase (Decrease) from previous Change Orders	\$64,906.90	Net Increase (Decrease) from previous Change Orders (days)	15
Contract Price prior to this Change Order	\$13,229,281.90	Contract Time prior to this Change Order (calendar days)	265
Net Increase (Decrease) of this Change Order	\$4,350,000.00	Net Increase (Decrease) of this Change Order (days)	75
Contract Price with this Change Order	\$17,579,281.90	Contract Time with this Change Order (calendar days)	340

RECOMMENDED:

By: Dan Giller
OCPR Design Engineer

Date: 8-19-10

RECOMMENDED:

By: Daniel Pantoff
OCPR Construction Manager

Date: 8-19-10

ACCEPTED:

By: Dan W. Johnson
Contractor

Date: 8-19-10

EAST MARSH ISLAND MARSH CREATION PROJECT (TV-21)
FILE NO: Q27623DL, PURCHASE ORDER NO: 3568700

SUMMARY OF CHANGE ORDER NO. 2

ITEM NO.	DESCRIPTION	UNIT	ORIGINAL QUANTITY	ADJUSTED QUANTITY	UNIT PRICE	AMOUNT OVERRUN	AMOUNT UNDERRUN
9	Mob. & Demob. for Add. Areas	Lump Sum	0	1	\$350,000.00	\$350,000.00	
10	Containment Dikes for Add. Areas	Linear Foot	0	10,000	\$25.00	\$250,000.00	
11	Hyd. Dredging for Add. Areas	Cubic Yard	0	1,000,000	\$3.75	\$3,750,000.00	
Total Amount Overrun						\$4,350,000.00	
Total Amount Underrun							\$0.00
Net Increase (Decrease) of this Change Order							\$4,350,000.00

JUSTIFICATION:

Change Order No. 2 adds pay items (Nos. 9, 10, & 11) for the mobilization and demobilization, containment dike construction, and hydraulic dredging for the pumping of dredge fill material into newly permitted areas north and west of the original FILL AREAS depicted on the plan drawings. The new designated fill areas are shown on the attached map as **Area 1, Area 2, Area 3, and Area 4**. The reason for pumping into these additional areas is because there is an abundance of material available in the permitted borrow area, and unobligated CWPPRA construction funds (over \$6 million) are available due to construction bids coming in low. These additional areas have been permitted for marsh creation and nourishment.

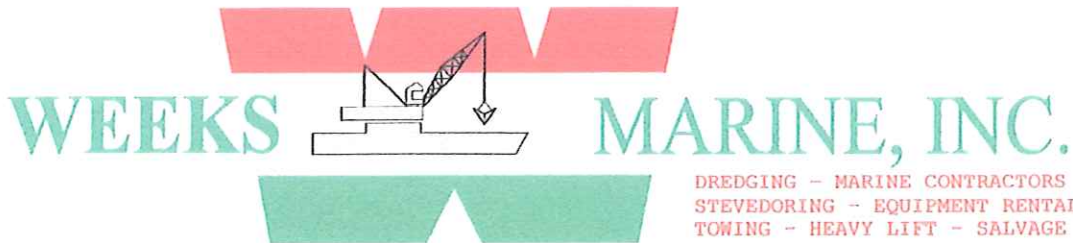
Additional mobilization and demobilization costs in bid item no. 9 are necessary to cover the expense and labor of additional dredge pipeline to reach the newly added fill areas. The unit rate of containment dikes in bid item no. 10 is the same as previous bid item no. 3. These 10,000 linear feet will ensure proper containment of dredged material in the new fill areas. The hydraulic dredging in bid item no. 11 will cover the placement of dredged material into some or all of the new fill areas. The \$0.25 per cubic yard increase in cost of the material from previous bid item no. 5 is because of the increased fuel consumption and operating costs of the dredge necessary to pump the additional distance to the new fill areas.

By taking advantage of the dredge and workers already being on site, the opportunity presents itself to create and nourish over 500 additional acres of marsh for a fraction of the cost of the original project. The project team feels that the additional mobilization and demobilization costs

and the extra \$0.25 per cubic yard increase in cost of the material from previous bid items are fair costs. and it would be in the best interest of the State to accept this change order.

Change Order No. 2 adds a total of 75 days to the contract time to accomplish the additional work for the change order items which makes the new completion date of February 7, 2011.





304 GAILLE DRIVE • COVINGTON, LA 70433 • Office (985) 875-2500 • Fax (985) 875-2578

Office of Coastal Protection and Restoration
450 Laurel Street
Baton Rouge, LA 70804

August 10, 2010

Attention: Mr. Dain Gillen, P.E.

Reference: East Marsh Island Marsh Creation Project (TV-21)
File Number: Q27623 DL
Iberia Parish, Louisiana

Subject: Cost Proposal for Additional Work at Marsh Island

Dear Sir:


Weeks Marine, Inc. hereby submits the following quote per unit price for additional work to be performed on the above referenced project.

- | | |
|-----------------------------------|--------------------------|
| 1. Mobilization & Demobilization: | \$ 350,000.00 Lump Sum |
| 2. Additional Dredging/Fill: | \$ 3.75 per Cubic Yard |
| 3. Retaining Dike Construction | \$ 25.00 per Linear Foot |

We request an additional 75 days be added to the contract time to perform the additional work.
This quote shall remain valid for 30 days from the above referenced date.

If you have any questions or require any additional information please don't hesitate to contact me at 985-237-5026.

Regards,
WEEKS MARINE, INC.


Gary W Johnson
Project Manager

cc: Charles Granger
Darrell Pontiff
David Hidalgo
Chuck Broussard
Mike Ernst

CHANGE ORDER NO. 3

OWNER: State of Louisiana, Office of Coastal Protection and Restoration
CONTRACTOR: Weeks Marine, Inc.
PROJECT: East Marsh Island Marsh Creation Project (TV-21)
FILE NO: Q27623DL
PURCHASE ORDER NO: 3568700
ENGINEER: OCPR / Aucoin & Associates, Inc.

The following changes are hereby proposed to be made to the Contract Documents:

- Add to contract Item No. 12, "Repair of Earthen Dike Failure," Lump Sum

Description: See attached summary.

Attachments (list documents supporting change):

- Letter from Weeks Marine, Inc. dated 9/16/2010 (2 sheets) containing quote for additional work.

Change in Contract Price		Change in Contract Time	
Original Contract Price	\$13,164,375.00	Original Contract Time (calendar days)	250
Net Increase (Decrease) from previous Change Orders	\$4,414,906.90	Net Increase (Decrease) from previous Change Orders (days)	90
Contract Price prior to this Change Order	\$17,579,281.90	Contract Time prior to this Change Order (calendar days)	340
Net Increase (Decrease) of this Change Order	\$21,259.97	Net Increase (Decrease) of this Change Order (days)	0
Contract Price with this Change Order	\$17,600,541.87	Contract Time with this Change Order (calendar days)	340

RECOMMENDED:

By: 
OCPR Design Engineer

Date: 9/30/2010

RECOMMENDED:

By: 
OCPR Construction Manager

Date: 9-30-10

ACCEPTED:

By: 
Contractor

Date: 9-30-10

EAST MARSH ISLAND MARSH CREATION PROJECT (TV-21)
FILE NO: Q27623DL, PURCHASE ORDER NO: 3568700

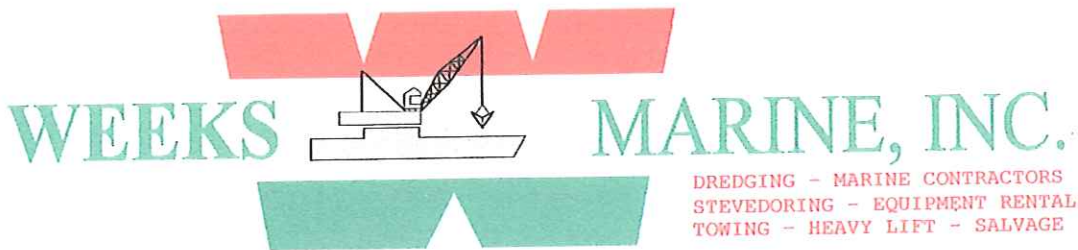
SUMMARY OF CHANGE ORDER NO. 3

ITEM NO.	DESCRIPTION	UNIT	ORIGINAL QUANTITY	ADJUSTED QUANTITY	UNIT PRICE	AMOUNT OVERRUN	AMOUNT UNDERRUN
12	Repair of Dike Failure	Lump Sum	0	1	\$21,259.97	\$21,259.97	
Total Amount Overrun						\$21,259.97	
Total Amount Underrun							\$0.00
Net Increase (Decrease) of this Change Order							\$21,259.97

JUSTIFICATION:

Change Order No. 3 adds a pay item (No. 12) for the repair of a section of earthen dike in Fill Area 2 that has failed. The dike failure will be repaired by installing a timber retaining wall, consisting of used dragline mats, across the failed section. It was decided by the contractor, design engineer, and construction engineer to utilize this method to repair the dike failure.

No additional contract time is requested to accomplish the work for the change order item.



304 GAILLE DRIVE • COVINGTON, LA 70433 • Office (985) 875-2500 • Fax (985) 875-2578

Aucoin & Associates, Inc.
433 N. CC Duson St.
P.O. Box 968
Eunice, LA 70535

September 16, 2010

Attention: Mr. David P. Hidalgo, P.E.

Reference: East Marsh Island Marsh Creation Project (TV-21)
File Number: Q27623 DL
Iberia Parish, Louisiana

Subject: Request for Change Order to Repair Dike Failure

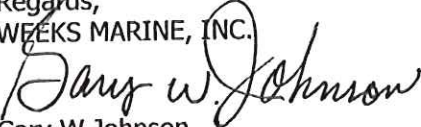
Dear Sir:

Weeks Marine, Inc. respectfully requests a Contract Change Order to repair a portion of the earthen retaining dike in Fill Area #2 that has failed. We propose to repair the failed dike area by installing a wooden retaining wall across an existing canal instead of trying to rebuild the earthen dike which will not stay in place. The retaining wall will be constructed by installing used dragline mats that are 4' wide X 12" thick X 36' long. The mats will be pushed into the existing canal bottom, side by side, to a depth of approximately 28 to 30 feet deep, along the same dike alignment.

We are not requesting any additional time to cover this work.

Attached find a worksheet and breakdown determining the added cost for labor and equipment.

If you have any questions or require any additional information please don't hesitate to contact me at 985-237-5026.

Regards,
WEEKS MARINE, INC.

Gary W Johnson
Project Manager

cc: Charles Granger

Worksheet for determining added costs:

A. Equipment:

1. 1 CAT 335 Long Boom Marsh buggy backhoe to install mats
2. 1 CAT 235 Short Boom Marsh buggy backhoe to install mats
3. 1 Airboat

B. Costs:

1. Cat 335 Marsh buggy backhoe	\$275.00 per hour X 12 hours	= \$3,300.00
2. Cat 235 Marsh buggy backhoe	\$250.00 per hour X 12 hours	= \$3,000.00
3. Airboat	\$500.00 per day X 1 day	= \$ 500.00
4. Used Mats	\$350.00 ea. X 30	= \$10,500.00
Total Equipment and Materials:		\$17,300.00

C. WMI markup:	Field Overhead	3.00%	
	General & Administrative	9.63%	
	Bond	0.26%	
	Profit	10.00%	
		<u>22.89%</u>	= \$3,959.97
Total Additional Cost:			\$21,259.97

CHANGE ORDER NO. 4

OWNER: State of Louisiana, Office of Coastal Protection and Restoration
CONTRACTOR: Weeks Marine, Inc.
PROJECT: East Marsh Island Marsh Creation Project (TV-21)
FILE NO: Q27623DL
PURCHASE ORDER NO: 3568700
ENGINEER: OCPR / Aucoin & Associates, Inc.

The following changes are hereby proposed to be made to the Contract Documents:

- Decrease contract quantity for Bid Item No. 5, "Hydraulic Dredging (Cut Volume)," from 2,821,000 CY to 2,356,000 CY.
- Increase contract quantity for Bid Item No. 11, "Hydraulic Dredging (Cut Volume) for Additional Areas," from 1,000,000 CY to 1,434,000 CY.

Description: See attached summary.

Attachments (list documents supporting change):

- N/A

Change in Contract Price		Change in Contract Time	
Original Contract Price	\$13,164,375.00	Original Contract Time (calendar days)	250
Net Increase (Decrease) from previous Change Orders	\$4,436,166.87	Net Increase (Decrease) from previous Change Orders (days)	90
Contract Price prior to this Change Order	\$17,600,541.87	Contract Time prior to this Change Order (calendar days)	340
Net Increase (Decrease) of this Change Order	\$0.00	Net Increase (Decrease) of this Change Order (days)	0
Contract Price with this Change Order	\$17,600,541.87	Contract Time with this Change Order (calendar days)	340

RECOMMENDED:

By: 
OCPR Design Engineer

Date: 11/1/2010

RECOMMENDED:

By: 
OCPR Construction Manager

Date: 11/1/2010

ACCEPTED:

By: 
Contractor

Date: 11-1-2010

EAST MARSH ISLAND MARSH CREATION PROJECT (TV-21)
FILE NO: Q27623DL, PURCHASE ORDER NO: 3568700

SUMMARY OF CHANGE ORDER NO. 4

ITEM NO.	DESCRIPTION	UNIT	ORIGINAL QUANTITY	ADJUSTED QUANTITY	UNIT PRICE	AMOUNT OVERRUN	AMOUNT UNDERRUN
5	Hyd. Dredging	Cubic Yard	2,821,000	2,356,000	\$3.50		\$1,627,500.00
11	Hyd. Dredging for Add. Areas	Cubic Yard	1,000,000	1,434,000	\$3.75	\$1,627,500.00	
Total Amount Overrun						\$1,627,500.00	
Total Amount Underrun							\$1,627,500.00
Net Increase (Decrease) of this Change Order							\$0.00

JUSTIFICATION:

Change Order No. 4 decreases the quantity of the Hydraulic Dredging from 2,821,000 cubic yards to 2,356,000 cubic yards. The decrease in volume reflects an underrun of the original quantity for Areas 1 and 2 depicted on the plan drawings.

Change Order No. 4 increases the quantity of the Hydraulic Dredging for Additional Areas from 1,000,000 cubic yards to 1,434,000 cubic yards. The increase in volume will allow the contractor to place additional material in the areas added as a result of Change Order No. 2.

No additional contract time is requested to accomplish the work for the change order.

CHANGE ORDER NO. 5

OWNER: State of Louisiana, Office of Coastal Protection and Restoration
CONTRACTOR: Weeks Marine, Inc.
PROJECT: East Marsh Island Marsh Creation Project (TV-21)
FILE NO: Q27623DL
PURCHASE ORDER NO: 3568700
ENGINEER: OCPR / Aucoin & Associates, Inc.

The following changes are hereby proposed to be made to the Contract Documents:

- Decrease contract quantity for Item No. 5, "Hydraulic Dredging (Cut Volume)," from 2,356,000 CY to 2,304,181 CY.
- Increase contract quantity for Item No. 10, "Containment Dike Construction, Maintenance, and Degradation for Additional Areas," from 10,000 LF to 11,331 LF.
- Increase contract quantity for Item No. 11, "Hydraulic Dredging (Cut Volume) for Additional Areas," from 1,434,000 CY to 1,532,028 CY.

Description: See attached summary.

Attachments (list documents supporting change):

- N/A

Change in Contract Price		Change in Contract Time	
Original Contract Price	\$13,164,375.00	Original Contract Time (calendar days)	250
Net Increase (Decrease) from previous Change Orders	\$4,436,166.87	Net Increase (Decrease) from previous Change Orders (days)	90
Contract Price prior to this Change Order	\$17,600,541.87	Contract Time prior to this Change Order (calendar days)	340
Net Increase (Decrease) of this Change Order	\$219,513.50	Net Increase (Decrease) of this Change Order (days)	0
Contract Price with this Change Order	\$17,820,055.37	Contract Time with this Change Order (calendar days)	340

RECOMMENDED:

By: 
OCPR Design Engineer

Date: 12/1/2010

RECOMMENDED:

By: 
OCPR Construction Manager

Date: 12/8/10

ACCEPTED:

By: 
Contractor

Date: 12-10-10

EAST MARSH ISLAND MARSH CREATION PROJECT (TV-21)
FILE NO: Q27623DL, PURCHASE ORDER NO: 3568700

SUMMARY OF CHANGE ORDER NO. 5

ITEM NO.	DESCRIPTION	UNIT	ORIGINAL QUANTITY	ADJUSTED QUANTITY	UNIT PRICE	AMOUNT OVERRUN	AMOUNT UNDERRUN
5	Hyd. Dredging	Cubic Yard	2,356,000	2,304,181	\$3.50		\$181,366.50
10	Containment Dikes for Add. Areas	Linear Foot	10,000	11,331	\$25.00	\$33,275.00	
11	Hyd. Dredging for Add. Areas	Cubic Yard	1,434,000	1,532,028	\$3.75	\$367,605.00	
Total Amount Overrun						\$400,880.00	
Total Amount Underrun							\$181,366.50
Net Increase (Decrease) of this Change Order							\$219,513.50

JUSTIFICATION:

Change Order No. 5 decreases the quantity of the Hydraulic Dredging from 2,356,000 cubic yards to 2,304,181 cubic yards. The decrease in volume adjusts the contract quantity to reflect the actual asbuilt quantity.

Change Order No. 5 increases the quantity of the Containment Dikes for Additional Areas from 10,000 linear feet to 11,331 linear feet. The increase in length adjusts the contract quantity to reflect the actual asbuilt quantity.

Change Order No. 5 increases the quantity of the Hydraulic Dredging for Additional Areas from 1,434,000 cubic yards to 1,532,028 cubic yards. The increase in volume adjusts the contract quantity to reflect the actual asbuilt quantity.