

ADDENDUM 01 TO PLANS AND CONTRACT DOCUMENTS

FOR

PASS CHALAND TO GRAND BAYOU PASS

BARRIER SHORELINE RESTORATION PROJECT (BA-35)

FILE NUMBER: 026890DL

PLAQUEMINES PARISH, LOUISIANA



February 28, 2008

LOUISIANA DEPARTMENT OF NATURAL RESOURCES

COASTAL ENGINEERING DIVISION

**ADDENDUM 01 TO BID DOCUMENTS
PASS CHALAND TO GRAND BAYOU PASS
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The bid opening date shall be revised to Thursday March 13, 2008.

Additional time is needed to answer questions from the contractors and to revise the plans and specifications.

Accordingly, the contractors will need additional time to prepare their bids based on the answers to questions and revisions to the plans and specifications.

Attendance lists from the mandatory pre-bid conference and site visit are attached.

MANDATORY PRE-BID CONFERENCE ATTENDANCE RECORD

PROJECT: PASS CHALAND TO GRAND BAYOU PASS BARRIER
SHORELINE RESTORATION PROJECT (BA-35)
AGENCY: DEPARTMENT OF NATURAL RESOURCES
FILE NO. O26890DL
DATE: FEBRUARY 14, 2008

PLEASE PRINT CLEARLY

| NAME (signature) | COMPANY/ADDRESS | PHONE NO. COURIER SERVICE REQUESTED | FAX NO. and E-MAIL | RECEIVED BID TODAY |
|-----------------------|---|---|--|-----------------------|
| <i>2015 G. J. ...</i> | <i>CSST P.O. Box 817 Gonzales, La.</i> | Phone # <i>225 442 816</i> Send addendum by Courier Yes No <input checked="" type="checkbox"/> <input type="checkbox"/> | | |
| <i>Josh Harding</i> | <i>Young's Coastal Construction 5500 Hwy. 90 Opcher Bluff, MO 63100</i> | Phone # <i>573 755-1001</i> Send addendum by Courier Yes No <input type="checkbox"/> <input type="checkbox"/> | <i>FAX- 573-785-6514</i> | |
| <i>JERRY DEVILLE</i> | <i>WEEKS MARINE INC. P.O. Box 4339 Houston TX 77051</i> | Phone # <i>405-251-3151</i> Send addendum by Courier Yes No <input type="checkbox"/> <input type="checkbox"/> | <i>1603 Pkwy 4304 Houston TX 77051</i> | |
| <i>MICHAEL POFF</i> | <i>SOASTAL ENG CONS 2106 S WORTH ST NAPLES FL 34105</i> | Phone # <i>239 239 643</i> Send addendum by <i>224</i> Courier Yes No <input type="checkbox"/> <input type="checkbox"/> | <i>603-1143 mpoff@cecf.com</i> | |
| <i>Russ Johnson</i> | <i>LDOR/CD Patterson LA</i> | Phone # <i>225 342 6110</i> Send addendum by Courier Yes No <input type="checkbox"/> <input type="checkbox"/> | <i>225 342 6110 rjohn@ldor.com</i> | |

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|---------------------|---|--|--|-----------------------|
| Steve Darter | Coastal Engineering Consult 5745 Emer Lane Suite 200 B.R. LA 70010 | Phone # 225-766-5760 Send addendum by Courier Yes No | 225-766-5760 stuart@ceci-la.com | |
| John R. Hek | Wilco Industrial Services New Orleans, LA | Phone # 504-444-0500 Send addendum by Courier Yes No | 504 341 8487 | |
| Barry Camardelle | Wilco Marsh Pussies Harvey, LA | Phone # 504 341-3409 Send addendum by Courier Yes No | 504 341 8487 | |
| ELEDEN DOMINGO | PHILLIPS & JORDAN, INC 254 ST. LOUIS ST SUITE 310 LA FAYETTE, LA 70506 | Phone # (504) 233-4885 Send addendum by Courier Yes No | 337 233-4886 elidendeponds.com | |
| Judy LeBourgeois | 610 3rd St Brea | Phone # 253 242 3369 Send addendum by Courier Yes No | 225-242-3369 judy.lebourgeois@lagov | |

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|-----------------------|---|---|---------------------------------------|-----------------------|
| <i>Allen Parks</i> | <i>United S. Ecology 80 Box 51657 LAF - LA - 70505</i> | Phone # 337 2344501 Send addendum by Courier <input checked="" type="radio"/> Yes <input type="radio"/> No | 337 2371104 G.Ashy@DCF.dnwr.com | <i>BA</i> |
| <i>Paul Coleman</i> | <i>DRC Marine Services 740 Museum Drive Mobile, AL 36608</i> | Phone # 251 343 3581 Send addendum by Courier <input checked="" type="radio"/> Yes <input type="radio"/> No | 251-343-5554 pcoleman@DRCUSA.com | |
| <i>Ruby Hench</i> | <i>Ceres Environmental 148 Shirley Lane Reserve LA. 70004</i> | Phone # 985-535-0148 Send addendum by Courier <input checked="" type="radio"/> Yes <input type="radio"/> No | 985-535-3322 loupe3@rtc online.com | <i>RAH</i> |
| <i>David Foltz</i> | <i>Pine Bluff Sand & Gravel 1201-C1 Fichter Hwy Baton Rouge, LA 70805</i> | Phone # 225 928 7821 Send addendum by Courier <input checked="" type="radio"/> Yes <input type="radio"/> No | 225 928 7822 david.foltz@psg.com | |
| <i>Leon M. Nadeau</i> | <i>Pine Bluff Sand & Gravel 1201-C1 Fichter Hwy Baton Rouge, LA 70805</i> | Phone # 225 928 7822 Send addendum by Courier <input checked="" type="radio"/> Yes <input type="radio"/> No | 225-532-7822 leon.m.nadeau@psg.com | |

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SHORELINE RESTORATION PROJECT (BA-35)
AGENCY: DEPARTMENT OF NATURAL RESOURCES
FILE NO. 026890DI.

DATE: FEBRUARY 14, 2008

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| NAME (signature) | COMPANY/ADDRESS | PHONE NO. COURIER SERVICE REQUESTED | FAX NO. and E-MAIL | RECEIVED BID TODAY |
|---|---|--|---|-----------------------|
| Tom Means Ryo Hoss - | Has requested Tom Means 842 N. Ave. St. 504 656 2777 - LA 70516 | Phone # 225 303 1839 Send addendum by 504 656 2777 Courier TM No | T Means @ peoServices LLC Cov | Y.M. |
| Richard Rivers | LSU CC Recovery Group | Phone # Send addendum by Courier Yes No | | |
|  | WEEKS MARINE INC 304 GAULLE DR. COVINGTON, LA. 70433 | Phone # 985-875-2500 Send addendum by Courier Yes No | 985-875-2570 CRBE@USSARD@WEEKSMARINE.COM | NO. |
| Tom Means | CHANDLER SERVICE COMPANY 2001 TOLA ROAD CHANDLER, TX | Phone # 504-708-8019 Send addendum by Courier Yes No | ADMIN@TSCORP.COM | |
| Barry Richard Tom B. B. | CHANDLER SERVICE COMPANY 2001 TOLA ROAD CHANDLER, TX | Phone # 504-708-8019 Send addendum by Courier Yes No | Barry.Richard@LA.GOV | |

MANDATORY PRE-BID CONFERENCE ATTENDANCE RECORD

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SHORELINE RESTORATION PROJECT (BA-35)
AGENCY: DEPARTMENT OF NATURAL RESOURCES
FILE NO. 026890DL
DATE: FEBRUARY 14, 2008

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| NAME (signature) | COMPANY/ADDRESS | PHONE NO. COURIER SERVICE REQUESTED | FAX NO. and E-MAIL | RECEIVED BID TODAY |
|---------------------|--|--|--|-----------------------|
| <i>[Signature]</i> | Coastwide Marine Construction PO Box 423 Schwartz Bay, LA 70375 | Phone # 985 257-3149 Send addendum by Courier Yes No | 985-257-3148 coastwide@comcast.net | <i>[Signature]</i> |
| <i>[Signature]</i> | Bottomline Equipment LLC 10200 Bentive Army St. Rose, LA 70057 | Phone # 504-441-6755 Send addendum by Courier Yes No | 504-464-7253 hobby12@hotmail.com | |
| <i>[Signature]</i> | Weeks Marine 3017 Grille Dr. Covington, LA 70433 | Phone # 785-237-5026 Send addendum by Courier Yes No | GJOHNSON@WEEKSMARINE.COM | |
| <i>[Signature]</i> | Kenneth Bahlinger LA - DM LA SOLAR Bldg. 617 N. MARRIAGE ST. Baton Rouge, LA 70802 | Phone # Send addendum by Courier Yes No | 225-342-9411 Kenneth.Bahlinger@la.gov | |
| | | Phone # Send addendum by Courier | | |

MANDATORY PRE-BID SITE VISIT ATTENDANCE RECORD

PROJECT: PASS CHALAND TO GRAND BAYOU PASS BARRIER
SHORELINE PROTECTION PROJECT (BA-35)
AGENCY: DEPARTMENT OF NATURAL RESOURCES
FILE NO. O26890DL
DATE: FEBRUARY 21, 2008

PLEASE PRINT CLEARLY

| NAME (signature) | COMPANY/ADDRESS | PHONE NO. COURIER SERVICE REQUESTED | FAX NO. and E-MAIL | RECEIVED BID TODAY |
|---------------------|--|---|---|-----------------------|
| <i>Pam Cross</i> | <i>Pam Cross Const. P.O. Box 34 Belle Chere 70037 La.</i> | Phone # <i>504-343-9045</i> Send addendum by Courier Yes No | <i>504-343-2830</i> <i>PRPCROSS@CMAACCESS</i> <i>.COM</i> | |
| <i>Pam Wilson</i> | <i>DRC USA - Emergency Service 770 Museum Drive Mobile, AL 36608</i> | Phone # <i>251 243 6573</i> Send addendum by Courier Yes No | <i>251 343 5554</i> <i>Peabman@drusa.com</i> | |
| <i>Shirley Jean</i> | <i>MANNEN BOLF LLC P.O. Box 2917 MORNING, LA 70361</i> | Phone # <i>985-580-1900</i> Send addendum by Courier Yes No | <i>985-580-1901</i> <i>VCROSS@MANNENBOLF</i> <i>.COM</i> | |
| <i>Don Kasper</i> | <i>MANNEN BOLF, LLC P.O. Box 2917 MORNING, LA 70361</i> | Phone # <i>985-580-1900</i> Send addendum by Courier Yes No | <i>985-580-1901</i> <i>DRKASPER@MANNENBOLF.COM</i> | |
| <i>Judy Woods</i> | <i>GIANT ENTERPRISES 2122 YORK ST CRAWFORD, LA</i> | Phone # <i>630-594-2967</i> Send addendum by Courier Yes No | <i>630-594-2967</i> <i>RAWOODS@GIANT.COM</i> | |

MANDATORY PRE-BID SITE VISIT ATTENDANCE RECORD

PROJECT: PASS CHALAND TO GRAND BAYOU PASS BARRIER
SHORELINE PROTECTION PROJECT (BA-35)
AGENCY: DEPARTMENT OF NATURAL RESOURCES
FILE NO. 026890DL
DATE: FEBRUARY 21, 2008

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| NAME (signature) | COMPANY/ADDRESS | PHONE NO. COURIER SERVICE REQUESTED | FAX NO. and E-MAIL | RECEIVED BID TODAY |
|---------------------|---|--|--|-----------------------|
| JERRY C. DeWille | WEEKS MARINE INC P.O. Box 4339 HOUMA, LA 70361 | Phone # Send addendum by Courier Yes No | 985-851-6364 JDEWILLE@WEEKSMARINE.COM | NO |
| CHUCK BRASSARD | WEEKS MARINE INC 304 GAILLE DR CONNINGTON, LA 70433 | Phone # 985-875-2500 Send addendum by Courier <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 985-875-2500 CRBRASSARD@WEEKSMARINE.COM | NO |
| Will Mayne | WEEKS MARINE INC 304 GAILLE DR CONNINGTON, LA 70433 | Phone # Send addendum by Courier <input type="checkbox"/> Yes <input type="checkbox"/> No | 785-875-2500 WILLMAYNE@WEEKSMARINE.COM | NO |
| JACK NEUMAN | GARRETT LASSUS DESIGN 2142 YORK RD CHICK BRAGG, LA 70523 | Phone # Send addendum by Courier <input type="checkbox"/> Yes <input type="checkbox"/> No | JACKNEUMAN@AOL.COM | |
| Shannon Simonsen | Ceres Environmental 148 Shirley Lane Reserve LA 70089 | Phone # Send addendum by Courier <input type="checkbox"/> Yes <input type="checkbox"/> No | 985 535-0149 FAX 985-535 3322 | |

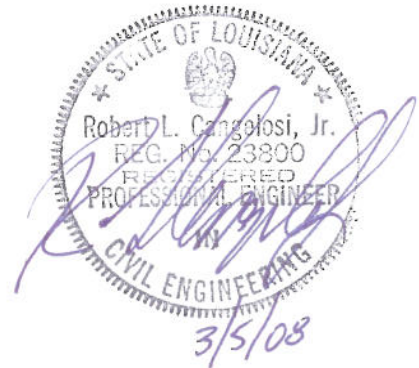
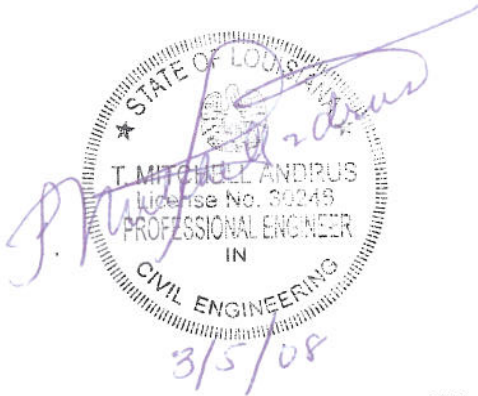
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| NAME (signature) | COMPANY/ADDRESS | PHONE NO. COURIER SERVICE REQUESTED | FAX NO. and E-MAIL | RECEIVED BID TODAY |
|---------------------|---|--|---|-----------------------|
| <i>Will Shaw</i> | <u>CF BEAN LLC</u> <u>619 ENGINEERS RD</u> <u>BC LA 70037</u> | Phone # <u>504 587 8755</u> Send addendum by Courier <input checked="" type="radio"/> Yes <input type="radio"/> No | <u>504 393-1248</u> <i>SEAT</i> <u>mromero@cfbean.com</u> | |
| <i>Jule Hebert</i> | <u>CF Bean LLC</u> <u>619 Engineers Rd.</u> <u>BC LA 70037</u> | Phone # <u>504 349 3252</u> Send addendum by Courier <input type="radio"/> Yes <input checked="" type="radio"/> No | | |
| <i>John R. Hee</i> | <u>W. Leo Marsh Builders</u> <u>1204 MacArthur at Chaloy</u> <u>70058</u> | Phone # <u>504 541 3409</u> Send addendum by Courier <input type="radio"/> Yes <input checked="" type="radio"/> No | <u>J.R. Hee @ w. leo marsh builders.com</u> | |
| <i>Russ Joffron</i> | <u>LDUK/CEO</u> <u>BATON ROUGE LA</u> | Phone # <u>225 342 0550</u> Send addendum by Courier <input type="radio"/> Yes <input checked="" type="radio"/> No | <u>russ.joffron@la.gov</u> | |
| <i>Kenneth Byst</i> | <u>KENNETH BOUNNER, LA. DMK</u> <u>LaSalle Bldg., 617 North 3rd St.</u> <u>Baton Rouge, LA. 70801</u> | Phone # Send addendum by Courier | | |

ADDENDUM 02 TO PLANS AND CONTRACT DOCUMENTS
FOR
PASS CHALAND TO GRAND BAYOU PASS
BARRIER SHORELINE RESTORATION PROJECT (BA-35)
FILE NUMBER: 026890DL
PLAQUEMINES PARISH, LOUISIANA



March 4, 2008

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION

**ADDENDUM 02 TO BID DOCUMENTS
PASS CHALAND TO GRAND BAYOU PASS
BARRIER SHORELINE RESTORATION PROJECT (BA-35)
FILE NUMBER: 026890DL**

The clarifications and revisions in this addendum supersede the requirements in the Plans and Specifications dated October 2007. Replacement sheets and pages are provided in Addendum Attachment A. The Successful bidder will be issued a revised set of plans and specifications.

1. Clarifications to the Proposal

- 1.1 Page 4 of 11 shall be disregarded. Do not submit this page.
- 1.2 Builder's Risk Coverage, Page 9 of 11 – The requirement of Builder's Risk Coverage shall be disregarded. It will not be required for this project.

2. Clarifications on Questions from the Mandatory Pre-Bid Conference and Site Visit

- 2.1 Question: Will initial 60% payment for mobilization be made without mobilizing the offshore dredge plant if initial containment dike construction requirement (100 feet in 24 hours) is met?

Answer: No. Mobilization includes movement of all equipment necessary to perform the Work to the job site. This includes all equipment submitted in Bid Proposal Attachments A (Plant and Equipment Schedule) and B (Dredge Data Sheets). Refer to revised specification for TS-5.1 in Section 4 of this addendum.

- 2.2 Question: Can locations of oyster leases in the area be provided?

Answer: Oyster lease maps can be found at: <http://sonris-www.dnr.state.la.us/gis/sonris/viewer.htm> under the "Coastal" GIS Layer.

- 2.3 Question: Will the Contractor be provided a copy of the permits?

Answer: All permits will be provided to the successful bidder as specified in GP-17 PERMITS AND RIGHT-OF-WAYS.

- 2.4 Concern: Multiple contractors present expressed desire to have a pay item for overburden disposal and a preference to pump overburden materials to the designated Overburden Disposal Area as opposed to the fill area.

Answer: The Contractor now must pump all overburden materials to the designated Overburden Disposal Area. This item will be paid for per cubic yard on the cut measured in the borrow area. See revised specifications and plan sheets in sections 4 and 5 of this addendum, respectively.

- 2.5 Question: How will underlying beach and dune sand be accessed in the borrow area if all of the overlying marsh sediments are not used?

Answer: Once the marsh fill area has been constructed and accepted, borrow area sediments designated for marsh fill may be stripped and pumped into approved previously dredged sections of the borrow area in order to access underlying sediments designated for beach and dune fill. Refer to revised specification for TS-8.4 in Section 4 of this addendum. Also refer to revised plan sheet 19 in Section 5 of this addendum.

- 2.6 Question: What is meant by direct supervision of a professional surveyor?

Answer: See LAPELS statute for clarification on what is sufficient on direct supervision of surveyor. As specified in the *Louisiana Revised Statutes Title 37: Professions and Occupations Chapter 8: Professional Engineering and Professional Surveying 37:682*, “‘Responsible charge’ shall mean the direct control and personal supervision of engineering or land surveying service or work, as the case may be.”

- 2.7 Question: Is a box cut acceptable for the Water Exchange Channel?

Answer: The minimum channel dimensions and bottom elevation for the Water Exchange Channel must be achieved and maintained throughout project construction as specified in TS-12.5.2 “Water Exchange Channel Tolerances”. Also refer to revisions to Water Exchange Channel side slopes on revised plan sheet 11 in Section 5 of this addendum.

- 2.8 Question: Will the contractor be paid twice for the same material if it is dredged from Water Exchange Channel and used to build the northern containment dike (CDN)?

Answer: Material dredged from the Water Exchange Channel may be used to build containment dikes. The Water Exchange Channel and containment dikes will be paid for separately by the linear foot as specified in TS-12.7.2 and TS-11.4, respectively.

- 2.9 Question: Would materials other than those specified in TS-15.2 and on plan sheet 14 be considered for marsh fill grade stakes?

Answer: Consideration will be given to equal materials approved by the Engineer. Specifications for materials being considered as approved equals must be submitted along with the Contractor’s Work Plan.

- 2.10 Question: The containment dike at the eastern end of the project has no outside access channel. Where will material come from for construction of this dike?

Answer: Material used to construct CDN from CDN-12 through CDN-17 shall be taken from the marsh fill area. Other methodologies may be submitted in the Contractor’s work plan for consideration. Refer to note added on revised sheet 7 in Section 5 of this addendum.

3. Questions Submitted by the Contractors and Clarifications from the Engineer

Great Lakes Dredge and Dock Company

- 3.1 Question: Page 4 of 11 – Base bid is a Lump Sum vs page 8 of 88 Schedule of Bids which has 10 bid items.

Answer: Page 4 of 11 shall be removed. Do not submit this page. Revised page 8 of 88 included in Addendum Attachment B shall be submitted.

- 3.2 Question: Page 10 of 88 2nd paragraph The Dredge Data Sheet is for information only and will not be used as a basis for award. The information submitted is pertinent to the evaluation of the proposed dredges and their capability to perform the Work as required and as agreed to by the Bidder through the submittal of a Proposal. Please clarify.

Answer: Refer to specification TS-1.5 “Basis for Award”. Dredge data sheets must be completed and returned with contractor bid.

- 3.3 Question: Page 13 of 88 The Statement of Experience is for information only and will not be used as a basis for award. The information submitted is pertinent to the evaluation of the proposed dredges and their capability to perform the Work as required and as agreed to by the Bidder through the submittal of a Proposal. Please clarify.

Answer: Refer to specification TS-1.5 “Basis for Award”. Statement of Experience should be completed and returned with contractor bid.

- 3.4 Question: GP-17 Permits- Please furnish contractors copies of all Right-of-Way easements, USCOE 404 permit, and any other permit obtained for the project.

Answer: All permits will be provided to the successful bidder.

- 3.5 Question: TS-2.3.4 The Contractor shall not resume work at the site in question until State authorities have rendered judgment concerning the artifacts of interest. How is the contractor compensated for this time period?

Answer: The Contractor shall proceed with Work in other approved areas which do not affect the cultural site in question until judgment is rendered. Refer to the revised specification for TS-2.3.4 in Section 4 of this addendum.

- 3.6 Question: Please enlarge the side cast disposal areas so that material from the access channel (entrance channel to water exchange channel) and the water exchange channel can remain in the disposal areas.

Answer: Refer to the revised plan sheet 4 in Section 5 of this addendum.

- 3.7 Question: Page 72 of 88 – TS-11.3 – Please delete the requirement that the internal dike can only be built perpendicular to the CDN and CDS.

Answer: The requirement that ICD's within the marsh fill area must be aligned perpendicular to the CDN and CDS will be removed. Refer to revised specification for TS-11.3 in Section 4 of this addendum. Note 4 on plan sheet 11 has also been revised.

- 3.8 Question: Where can you stockpile material for plugs?

Answer: Refer to TS-12.4 on page 74 of 88, "*The Contractor may temporarily stockpile material within the Work Area approved by the Engineer for filling post-construction access channel plugs.*"

- 3.9 Question: TS-17 How are aids to navigation paid?

Answer: Refer to TS-17.1 on page 81 of 88. The second sentence states "The Contractor shall provide, install, maintain, and remove lighted aids as specified herein at no direct pay."

- 3.10 Question: TS-7 - The contractor may have to control turbidity and water quality as required by engineer, however, it was stated at the pre-bid meeting that there are no water quality issues. Please clarify.

Answer: It was *not* stated at the pre-bid meeting that there are no water quality issues. It was stated that no direct measurements of water quality will be made. If it is determined through construction observations that excess turbidity is discharged into unauthorized areas, the Contractor will be required to alter production rates as directed by the Engineer. Also refer to SP-7 Control of Siltation and Water Pollution on page 43 of 88 and TS-8.3 Dewatering and Turbidity Control on page 64 of 88.

- 3.11 Question: TS-9.5.2 - If an area has to be re-pumped, do you have to wait another 30 days to do payment and acceptance survey?

Answer: If areas of the marsh fill have to be re-pumped these areas must undergo an additional waiting period for 30 days without any additional placement of fill material before payment surveys will be made. Refer to revised specification TS-9.5.2 in Section 4 of this addendum.

- 3.12 Question: Please direct that overburden material is to be pumped to the offshore disposal area.

Answer: Refer to clarification 2.4 in Section 2 and revised specification TS-8.5 in Section 4 of this addendum.

- 3.13 Question: Please consider a pay item for the stripping of the overburden material.

Answer: Refer to clarification 2.4 in Section 2 and revised specification TS-8.5 in Section 4 of this addendum.

- 3.14 Question: Please consider more favorable payment terms for the water exchange channel and containment dikes. It appears that there is no reason to not pay 100% less 10% retainage as the work is performed. The contractor will remain responsible for maintenance throughout the contract.

Answer: This requirement will not change.

- 3.15 Question: TS-11.2 Please clarify the requirement to degrade of the CDS prior to demobilization.

Answer: This requirement has been revised. Please refer to revised specification for TS-11.2 in Section 4 of this addendum.

- 3.16 Question: Can contractor place diking equipment on marsh between the access channel and the dike?

Answer: No.

- 3.17 Question: The bucket dredges currently on the Gulf Coast have about a 100ft range from cut to fill. We request that the design for dikes be changed so that they can be built with conventional equipment.

Answer: Refer to revised plan sheet 11 in Section 5 of this addendum.

- 3.18 Question: Please include a VEQ, Changed Conditions, and Differing Site clauses in the contract.

Answer: Refer to note on Schedule of Bid Items on page 8 of 88, GP-34 Changes in Work, GP-35 Change of Contract Price, and GP-36 Change in Contract Time. Also refer to the Louisiana Office of State Purchasing Regulation #531.D. Increase or Decrease in Quantities. "Unless otherwise specified in the Invitation for Bids, the state reserves the right to increase or decrease the quantities of any item or items shown in the bid by 10 percent." This regulation can be found at: <http://doa.louisiana.gov/osp/legalinfo/rulesregs/rulesregs.htm#531>

- 3.19 Question: Please provide cut to fill ratios for the marsh and beach on the previous Chalant project. What was the measured difference in the marsh area elevation from the time pumping stopped to the time survey was performed after 30 day waiting period? Did any areas have to be repumped?

Answer: The Chalant project information is not pertinent to the bid of this project.

- 3.20 Question: The engineers indicated that the design dig to pay ratio for the marsh was 1.6 and sand 1.3. The plans indicate that the average bank in the borrow area

are marsh 10' and sand 12' with a max of 17'. Working backwards from the sand required we find the following for sand.

| | SAND |
|----------|--------------------------|
| Required | 1,744,800cy |
| Dig pay | 1.3 |
| Total | 2,268,240cy |
| Face | 12' |
| Area | 5,103,540ft ² |

Using these areas that have to be uncovered to get the sand would generate at least these quantities of marsh material, which is more than the bid item for Marsh fill (1,123,400cy). This calculation has not taken slopes into consideration, which would make the imbalance worse.

| | MARSH |
|----------|--------------------------|
| Required | 1,181,375cy |
| Dig pay | 1.6 |
| Total | 1,890,200cy |
| Face | 10' |
| Area | 5,103,540ft ² |

It is possible that the additional 5' that the contractor is allowed to dredge is good sand, which would solve this problem. However, the dig/pay ratios and/or the quality of the additional 5' could cause an imbalance. Please indicate what will be the State's solution if such an imbalance occurs.

Answer: Refer to clarification 2.5 in Section 2, revised specification for TS-8.4 in Section 4, and revised plan sheets 19 & 20 in Section 5 of this addendum.

4. Revisions to the Specifications

- 4.1 Schedule of Bid Items – Added Bid Item No. 11 “Overburden Dredging”. See Addendum Attachment B for revised Schedule of Bid Items. This revised page 8 of 88 shall be used for submittal of the Contractor’s bid.
- 4.2 GP-33 Progress Meetings – Changed from weekly to bi-weekly in first paragraph, first sentence as follows:

Engineer shall schedule and hold regular bi-weekly progress meetings.

- 4.3 TS-2.3.4 Notification of Discovery of Historical or Cultural Sites – The last sentence is revised as follows:

The Contractor shall not resume Work at the cultural site in question until State authorities have rendered judgment concerning the artifacts of interest. The Contractor

shall proceed with Work in other areas approved by the Engineer until the judgment is rendered.

- 4.4 TS-2.4 Summary of Project Submittals and Notifications – Specification numbers were revised in the last six rows of the Schedule of Submittals and Notifications Table as follows:

SCHEDULE OF SUBMITTALS AND NOTIFICATIONS TABLE

| Specification | Deliverable | Submittal |
|---------------|---|-----------------------------------|
| TS-11.2 | Beach Fill Containment Dike Change Requests | With Work Plan |
| TS-11.2 | Proposed Containment Methods for Western end of Beach Fill Template | With Work Plan |
| TS-11.3 | Optional Interior Containment Dike Change Requests | With Work Plan |
| TS-19.2 | Description of Daily Nesting Bird Patrols | With Daily Quality Control Report |
| TS-19.5 | Oil and Fuel Storage Locations | With Work Plan |
| TS-20.1 | Daily Quality Control Report | Daily During Construction |

- 4.5 TS-3.1 Construction Sequence Item # 5 - Grade stakes were added as follows:

5. Settlement plates and grade stakes must be placed and surveyed prior to placement of beach or marsh fill material.

- 4.6 TS-3.1 Construction Sequence Item # 8 – “during” was changed to “prior to” and the stations were revised as follows:

8. Access channel through Bay Joe Wise, Stations 120+00, 140+00, 160+00, and 180+00, must be plugged as shown on the Plans prior to demobilization.

- 4.7 TS-5 MOBILIZATION AND DEMOBILIZATION, 5.1 General Description – Revised as follows:

Mobilization consists of preparatory Work and operations, including those necessary for movement of personnel, Equipment, supplies and incidentals to and within the Work Area; the establishment of offices, buildings, and other facilities necessary for the Work on the project; the cost of bonds and any required insurance; and other pre-construction expenses necessary for start of the Work. This includes all equipment submitted in Bid Proposal Attachments A (Plant and Equipment Schedule) and B (Dredge Data Sheets). All Equipment must be floating at all times during the transit to and from the Site of Work.

- 4.8 TS-6.5 Borrow Area Surveys – Added requirement to survey borrow area centerline. Also added language for acceptance of dredge sections prior to backfilling is allowed. Revised as follows:

The borrow area shall be surveyed both before and after dredging. Progress surveys shall also be conducted as directed by the Engineer after the overburden is removed, prior to dredging the marsh cut, and after the marsh cut is removed, and prior to dredging the beach/dune cut. Accepted progress surveys conducted after overburden dredging shall be considered pay surveys. If the Contractor chooses to implement backfilling operations described in TS-8.4 "Borrow Area Cut Sequence", progress surveys conducted after dredging of beach and dune fill cut must be approved prior to the commencement of backfilling.

Survey transects shall be spaced 200 feet apart, perpendicular to the borrow area center line, and extend 200 feet past the limit of the overburden cut unless otherwise shown on the Contract Plans. The centerline of the borrow area must also be surveyed for the entire length of the borrow area and extending 200 feet past the overburden cut. In addition, survey lines at 200 foot and 400 foot parallel offsets to both sides of the borrow area centerline shall be surveyed. The pre-construction surveys must be submitted to and approved by the Engineer prior to beginning borrow area excavation to ensure that borrow area elevations have not significantly changed. All bathymetric surveys must be corrected for tidal fluctuations and wave action to the referenced datums.

- 4.9 TS-6.6 Overburden Disposal Area Surveys – Revised the first sentence as follows:

The Overburden Disposal Area shall be surveyed both before and after construction.

- 4.10 TS-6.7 Access Channel Surveys – modified to include new sidecast disposal areas shown on revised plan sheet 4 in Section 5 of this addendum. Revised as follows:

Access channels shall be surveyed as shown on the Plans both before and after construction. Transects shall be surveyed perpendicular to the access channel centerline every 500 feet and shall include any side cast disposal areas and containment dikes. Points to be surveyed include top and bottom of cut for both sides of the channel and the channel bottom mid point. Transects shall extend 50 feet beyond the channel. If the adjacent side cast disposal areas and containment dikes are present, transects shall extend 50 feet past these features. The sidecast disposal area to the East of the mouth of Pass Chalard, which is aligned parallel to the survey baseline, shall be surveyed every 250 feet and extend 50 feet beyond the designated area. Surveys of containment dikes adjacent to the access channel shall include the toe and crown elevations on each side of the dike. Additionally, the centerline of each post-construction access channel plug located at stations 120+00, 140+00, 160+00, and 180+00 shall be surveyed. These surveys will be checked by the Owner and Engineer for permit compliance and restoration of side cast disposal areas to original conditions.

- 4.11 TS-8.4 Borrow Area Cut Sequence – Revised as follows:

The borrow area delineated on the Plans contains three sedimentological units. The top unit is composed of soft clay overburden of varying thickness which the Contractor must dispose of as specified in TS-8.5 "Overburden Disposal". Immediately underlying the overburden is a layer of interbedded clay, silt, and sand averaging 10 feet in thickness to be used for marsh fill construction. The bottom-most unit delineated in the borrow area is composed of mostly beach compatible sand averaging 15 feet in thickness and shall be used for beach and dune fill. Signatures in the seismic data indicate the presence of beach compatible sand below coring depths. The Contractor is allowed to over-dredge this unit by no more than 2 feet at his/her own risk, provided that beach compatible sand is encountered. If material is dredged below this allowable depth, the Contractor may be subject to deductions set forth in TS-8.7 "Deductions for Non-Conforming Work".

In the event that excess overlying sediment designated for marsh fill remains in the borrow area rendering underlying sediments designated for beach and dune fill inaccessible, the Contractor will be allowed to remove the excess marsh sediments as described herein. Once the marsh fill area has been constructed and accepted, borrow area sediments designated for marsh fill may be stripped and pumped into approved previously dredged sections of the borrow area. Previously dredged sections will be approved upon review and acceptance of surveys outlined in TS-6.5 "Borrow Area Surveys". In order to keep stripped marsh sediments separate from beach and dune fill sediments, the Contractor must leave at least a 350 ft section of the excess marsh sediments undredged in between the area being stripped and the previously dredged, surveyed, and accepted area being backfilled. The Contractor must submit a proposed borrow area cut sequence with the Initial Work Plan for approval by the Owner and Engineer prior to dredging operations.

4.12 TS-8.5 Overburden Disposal – Revised to include 8.5.1 and 8.5.2 as follows:

The Contractor shall completely dredge the top borrow area sedimentological unit designated as overburden on the Plans prior to dredging underlying marsh and sand units. The Contractor shall dispose of overburden materials in the Overburden Disposal Area designated in the Plans.

8.5.1 Payment for Overburden Dredging

Price and payment shall constitute full compensation for furnishing all plant, labor, Materials and Equipment for dredging, satisfactory placement of specified material into the designated Overburden Disposal Area, and performing all Work as specified herein. Payment for overburden dredging will be made at the Contract unit price per cubic yard cut for Bid Item No. 11 "Overburden Cut". Volumes for the borrow area cut shall be calculated using methods specified in TS-6 SURVEYING.

8.5.2 Acceptance of Overburden Dredging

The price per cubic yard for overburden dredging will be paid to the Contractor upon acceptance of payment surveys made on the borrow area cut and post construction surveys made in the Overburden Disposal Area. The overburden cut shall be dredged to the bottom elevation shown on the Plans with a vertical tolerance of $\pm 0.5'$. The overburden disposal area shall not be filled above a maximum elevation of -20.5 ft

NAVD88 (Geoid99). Any overburden material placed outside of the specified area shall be removed and re-deposited into the approved area or as directed by the Owner and Engineer at the Contractor's expense in accordance with TS-18 MISPLACED MATERIAL.

- 4.13 TS-9.5.2 Acceptance of Marsh Fill – Revised to clarify that an additional 30 day waiting period is required in the instance that the marsh fill area has to be re-pumped. The second sentence has been revised as follows:

*Additional marsh fill must be pumped into these areas which must then undergo an **additional 30 day** waiting period before the areas are re-surveyed and considered for acceptance.*

- 4.14 TS-11.2 Beach Fill Containment Dike (Containment Dike South) – The third paragraph has been revised as follows:

The CDS elevation must be modified prior to demobilization such that there is a smooth transition from beach fill to marsh fill as directed by the Engineer.

- 4.15 TS-11.3 Optional Interior Containment Dikes (ICD's) – The second sentence was deleted. The first two sentences now read as follows:

If necessary, the Contractor may use optional Interior Containment Dikes (ICD's) to achieve marsh fill elevations. Locations and alignments of the ICD's are left to the discretion of the Contractor to facilitate the placement of marsh fill material.

- 4.16 TS-13 – SAND FENCING, 13.2.1 Posts, and 13.2.2.1 Slats – Reduced length of posts from 10' to 8', now also allow 3" diameter posts, reduced slate spacing from 3" to 2-1/4". Revised as follows:

13.2.1 Posts

Fence posts shall be four inch (4") x four inch (4") or three inch (3") diameter untreated #2 grade lumber posts eight feet (8') long driven four feet (4') into the ground and placed ten feet (10') on center. The posts shall be vertically plumb and the alignment shall be in straight lines.

13.2.2 Fencing

Sand fencing shall be standard, weather resistant snow fencing. Sand fence shall be furnished in rolls of fifty feet (50') or one hundred feet (100'). The sand fence is to be composed of the following elements:

- 1. Slats: Slats shall be made of No. 1 aspen or spruce measuring three-eighths inches (3/8") thick, one and one-half inches (1-1/2") wide by four feet (4') long. The distance between slats shall be two and one-quarter inches (2-1/4") on center. The slat shall be painted with a high quality red iron oxide stain.*

5. Revisions to the Plans

- 5.1 Sheet 2 - Added Bid Item No. 11 "Overburden Cut".
- 5.2 Sheet 4 – Revised spoil disposal areas. Added note 8. Scale on sheet is 1" = 400'. The left side has been corrected to reflect this.
- 5.3 Sheets 5 – Added note 8. Scale on sheets is 1" = 400'. The left side has been corrected to reflect this.
- 5.4 Sheets 6 – Added note 6. Scale on sheets is 1" = 400'. The left side has been corrected to reflect this.
- 5.5 Sheets 7 – Added notes 5 and 6. Scale on sheets is 1" = 400'. The left side has been corrected to reflect this.
- 5.6 Sheet 11 – Geotechnical stability calculations were revisited resulting in revisions to allowable containment dike and channel dimensions. The second sentence was deleted from note 4. Added note 6.
- 5.7 Sheet 12 – Revised cross sections. Added notes 2 and 3.
- 5.8 Sheet 15 – Changed post and slat specifications.
- 5.9 Sheet 16 - Revised survey requirements to capture new spoil disposal areas.
- 5.10 Sheet 19 & 20 – Modified allowable overdredge and Beach / Dune Cut.
- 5.11 Sheet 21 – Added note 2.

ATTACHMENT A

Revised Sheets to Plans and Revised Pages to Specifications

ATTACHMENT B

Revised Schedule of Bid Items – Bid Package sheet 8 of 88

**PASS CHALAND TO GRAND BAYOU PASS
BARRIER SHORELINE RESTORATION PROJECT (BA-35)**

SCHEDULE OF BID ITEMS

| Bid Item | Description | Unit | Estimated Quantities | *Cost Per Unit | Extended Cost |
|----------|-----------------------------|------|----------------------|------------------------|---------------|
| 1 | Mobilization/Demobilization | LS | 1 | | |
| 2 | Surveying | LS | 1 | | |
| 3 | Access Channel | LS | 1 | | |
| 4 | Marsh Fill | CY | 1,123,400 | | |
| 5 | Containment Dike | LF | 27,300 | | |
| 6 | Beach and Dune Fill | CY | 1,744,800 | | |
| 7 | Water Exchange Channel | LF | 4,160 | | |
| 8 | Sand Fencing | LF | 14,400 | | |
| 9 | Settlement Plates | Ea. | 6 | | |
| 10 | Warning Signs | Ea. | 12 | | |
| 11 | Overburden Cut | CY | 2,344,600 | | |
| | | | | BID TOTAL COST: | \$ |

NOTE: All items on this sheet must be completed by the bidder. The completed sheet must be attached to the bid submitted to the Office of State Purchasing in order for the bid to be considered.

Total Amount of Bid: _____ Dollars
and _____ cents (\$ _____).

*Where the quantity of Work with respect to any item is covered by a unit price, such quantities are estimated quantities to be used when comparing bids and the right is reserved by the Owner to increase/decrease such quantities as may be necessary to complete the Work or remain within any funding limits. In the event of material underruns/overruns, unit costs will be used to determine payment to the Contractor.

The undersigned acknowledges receipt of the following addenda, and the cost, if any, of such revisions has been included in the price bid.

Addendum # _____ Dated: _____ Addendum # _____ Dated: _____
Addendum # _____ Dated: _____ Addendum # _____ Dated: _____

BIDDERS NAME _____
(THIS PAGE MUST BE COMPLETED AND RETURNED)