ADDENDUM 1 TO BID DOCUMENTS FOR THE
NORTHWEST TURTLE BAY MARSH CREATION PROJECT (BA-0125)
JEFFERSON PARISH, LOUISIANA

STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY
January 16, 2019
ADDENDUM 1 TO BID DOCUMENTS
NORTHWEST TURTLE BAY MARSH CREATION PROJECT (BA-0125)

The interpretations, corrections or changes in this addendum supersede the requirements in the Bid Documents dated December 2018 stamped and sealed by the Engineer of Record on 12/12/2018. The Successful Bidder shall be issued an updated set of Contract Documents based on all addenda.

Bidders shall acknowledge receipt of this addendum in the Louisiana Uniform Public Work Bid Form.

I. **CPRA Response to Bidder Questions:**

Responses to Bidder Questions will be provided in a future Addendum.

II. **Revisions to Specifications:**

None at this time.

III. **Revisions to Plans:**

**Sheet 6:**
- a. Corrected West Marsh Creation Area Fill Zone labels.

**Sheet 30:**
- a. Delineated Settlement Plate locations for West Marsh Creation Area.
- b. Addition of West Marsh Creation Area Settlement Plate Location Coordinates Table.

**Sheet 34:**
- a. Delineated Settlement Plate and Instrumented Settlement Plate locations for East Marsh Creation Area.
- b. Addition of East Marsh Creation Area Settlement Plate Location Coordinates Table.
- c. Addition of East Marsh Creation Area Instrumented Settlement Plate Location Coordinates Table.

IV. **Pre-bid Attendance Record:**

The Attendance Record for the Pre-bid Conference is attached in Appendix A of the Addendum.

Note: The scheduled 10 am start of the Pre-Bid Presentation was delayed until 10:30 am. All persons included on the attached record were signed-in prior to the start of the Pre-Bid Presentation.

V. **Pre-bid Presentation:**

The Presentation for the Pre-bid Conference is provided in PDF format in Appendix B of the Addendum.
<table>
<thead>
<tr>
<th>WEST MARSH CREATION AREA DISCHARGE ZONE</th>
<th>MAXIMUM MARSH FILL QUANTITY (CY)</th>
<th>CONSTRUCTION MARSH FILL TARGET/MINIMUM ELEVATION (FT NAVD 88)</th>
<th>VERTICAL TOLERANCE (FT)</th>
<th>MAXIMUM MARSH FILL ELEVATION (FT NAVD 88)</th>
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<td>WEST 3</td>
<td>200,000</td>
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<td>WEST 4</td>
<td>230,000</td>
<td>1.5</td>
<td>0.5</td>
<td>2.0</td>
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**NOTES:**
1. PIPELINE INFORMATION SHOWN ON PLANS IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS PRIOR TO BEGINNING CONSTRUCTION.
2. ALL PIPELINES LOCATED WITHIN 15' OF THE FILL AREAS, DREDGE PIPELINE CORRIDOR, OR DIKE ALIGNMENTS SHALL BE PROBED AND THEIR LOCATIONS MARKED FOR THE DURATION OF CONSTRUCTION ACTIVITIES.
3. THE CONTRACTOR SHALL NOT MECHANICALLY EXCAVATE, ANCHOR, OR SPUD WITHIN 50' OF PIPELINES OR WELL HEADS.
4. THE CONTRACTOR SHALL BEGIN HYDRAULIC DREDGING OPERATIONS IN ZONES 3 OR 4.
ADDENDUM 1 TO BID DOCUMENTS
NORTHWEST TURTLE BAY MARSH CREATION PROJECT (BA-0125)

APPENDIX A: PRE-BID ATTENDANCE RECORD
<table>
<thead>
<tr>
<th>Name (Print)</th>
<th>Name (Signature)</th>
<th>Initial (in)</th>
<th>Initial (Out)</th>
<th>Company Name</th>
<th>Company Address</th>
<th>Phone and Email</th>
<th>Affiliation (Circle One)</th>
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<tbody>
<tr>
<td>Billy Barnett</td>
<td>Bill Barnett</td>
<td>9:55a</td>
<td>10:10a</td>
<td>Carini Brothers Inc</td>
<td>301 Nola Drive, Bell CH, LA 70601</td>
<td>337-502-7776</td>
<td>Prime/Sub</td>
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<tr>
<td>Theresa Kamen</td>
<td>Theresa Kamen</td>
<td>9:00</td>
<td>10:00</td>
<td>Mike Hooks Inc.</td>
<td>409 Hwy Mike Hooks Rd, Westlake, LA</td>
<td>337-547-5681</td>
<td>Prime/Sub</td>
</tr>
<tr>
<td>Tommy Hildebran</td>
<td>Tommy Hildebran</td>
<td>7:30</td>
<td>11:20</td>
<td>Coastal Dredging Co. Inc</td>
<td>19128 Robert Rd, Hammond, LA 70451</td>
<td>585-960-0361</td>
<td>Prime/Sub</td>
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<tr>
<td>Jamie Varian</td>
<td>Jamie Varian</td>
<td>9:42</td>
<td>10:42</td>
<td>Coastal Dredging</td>
<td>11</td>
<td>985-960-2707</td>
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</tr>
<tr>
<td>John Vannors</td>
<td>John Vannors</td>
<td>9:45</td>
<td>10:45</td>
<td>Orion Marine Construction</td>
<td>5440 W YSIAN AVE, TAMPA FL 33611</td>
<td>813 205 0352</td>
<td>Prime/Sub</td>
</tr>
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Certified by: Dustin White
<table>
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<tr>
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<td>Charles Marcham</td>
<td>C. Marcham</td>
<td>CM</td>
<td>M. Manoan Construction</td>
<td></td>
<td></td>
<td>904-584-7646</td>
<td>Prime/Sub</td>
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<tr>
<td>8.</td>
<td>Scott Stamas</td>
<td>D. Stamas</td>
<td>SS</td>
<td>M. Manoan Con.</td>
<td></td>
<td></td>
<td>850 447 0889</td>
<td>Prime/Sub</td>
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<tr>
<td>10.</td>
<td>Heather Tom</td>
<td>H. Tom</td>
<td>ABC's Boat Rental</td>
<td>9087 Hwy 23</td>
<td>832 226-3187</td>
<td>Prime/Sub</td>
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<tr>
<td>11.</td>
<td>Roland Pitre</td>
<td>R. Pitre</td>
<td>RP</td>
<td>Frigo</td>
<td>PO Box 740</td>
<td>985-202-1202</td>
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<tr>
<td>12.</td>
<td>Tyler Ray</td>
<td>T. Ray</td>
<td>WR</td>
<td>Wilco</td>
<td>PO Box 740</td>
<td>337-945-8301</td>
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<tr>
<td>David DeJesus</td>
<td></td>
<td>00</td>
<td>DK</td>
<td>Dean</td>
<td>2240 Peters Rd</td>
<td>504-570-7498 <a href="mailto:davidc.dejesus@dean.diag.com">davidc.dejesus@dean.diag.com</a></td>
<td>Prime/Sub</td>
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<tr>
<td>Jerry Deville</td>
<td></td>
<td>M</td>
<td>M</td>
<td>WEEKS MARINE, INC</td>
<td>304 Galler Dr Covington, LA 70433</td>
<td>985-875-2500 <a href="mailto:jodeville@weeksmarine.com">jodeville@weeksmarine.com</a></td>
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<td>Tim Vestac</td>
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<td>WEEKS MARINE, INC</td>
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<td>Carlos Velasco</td>
<td></td>
<td>CV</td>
<td>CV</td>
<td>Ceres Environmental</td>
<td>13935 Kaybell Rd Houston TX 77070</td>
<td>285-259-0136 <a href="mailto:carlos.velasco@ceresevironmental.com">carlos.velasco@ceresevironmental.com</a></td>
<td>Prime/Sub</td>
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<tr>
<td>Donovan Luett</td>
<td>Donna Luett</td>
<td>DL</td>
<td>DL</td>
<td>Crosby Dredging LLC</td>
<td>229 Development St. Hou</td>
<td>985 677-4092 dluent@ CrosbyDredging.com</td>
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<tr>
<td>Brian Puckett</td>
<td></td>
<td>Bp</td>
<td>BP</td>
<td>GCD</td>
<td>2122 York Rd Oak Brook IL</td>
<td>630-300-4029 <a href="mailto:Bepuckett@gdl.com">Bepuckett@gdl.com</a></td>
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<td>Bryan Hansen</td>
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<td>H</td>
<td>Ceres</td>
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<td>Ginger Gallardo</td>
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<td>Magnolia Dredge</td>
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<td>Prime / Sub</td>
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<td>&amp; Dock</td>
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# Mandatory Pre-Bid Conference

## Attendance Record

**Project Name:** NORTHWEST TURTLE BAY MARSH CREATION PROJECT  
**Project Number:** BA-0125  
**Date:** January 9, 2019 10:00am  
**Time:** 10:00 am  
**Location:** Lafayette Town Hall, 2654 Jean Lafitte Blvd, Lafayette, LA 70507

<table>
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<tr>
<th>Name (Print)</th>
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<th>Company Name</th>
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<th>Phone and Email</th>
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<tr>
<td>25. Keith Roberts</td>
<td>K. Roberts</td>
<td>K</td>
<td>K</td>
<td>Hydroterra</td>
<td>202 Jacobs Run ScH, LA 70583</td>
<td>(337) 577-3323 <a href="mailto:keith@hydroterra.com">keith@hydroterra.com</a></td>
<td>Prime/Sub</td>
</tr>
<tr>
<td>26. Darryl Couvillion</td>
<td>D. Couvillion</td>
<td>O</td>
<td>O</td>
<td>Couvillion Group</td>
<td>371 W. River Rd.</td>
<td>504 997-4055 <a href="mailto:dcouvillion@Couvillion.com">dcouvillion@Couvillion.com</a></td>
<td>Prime/Sub</td>
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<tr>
<td>27. Jamie Austin</td>
<td>J. Austin</td>
<td>O</td>
<td>O</td>
<td>Marsh Buggies Inc.</td>
<td>8018 Engineers Rd.</td>
<td>504-844-5050 (504) 445-0700 <a href="mailto:Jamie@marshbuggies.com">Jamie@marshbuggies.com</a></td>
<td>Prime/Sub</td>
</tr>
<tr>
<td>28. Scott A-Lehers</td>
<td>S. A-Lehers</td>
<td>I</td>
<td>I</td>
<td>Marsh Buggies Inc.</td>
<td>2018 Engineers Rd.</td>
<td>504 915-5275 <a href="mailto:SLehers@marshbuggies.com">SLehers@marshbuggies.com</a></td>
<td>Prime/Sub</td>
</tr>
<tr>
<td>29. Terry Songy</td>
<td>T. Songy</td>
<td>I</td>
<td>M</td>
<td>Magnolia Dredge &amp; Dock</td>
<td>1770 Orleans St.</td>
<td>504 462-0611 <a href="mailto:terry@magnoliadock.com">terry@magnoliadock.com</a></td>
<td>Prime/Sub</td>
</tr>
<tr>
<td>30. Rick Smith</td>
<td>R. Smith</td>
<td>RS</td>
<td>RS</td>
<td>Inland Dredging Co.</td>
<td>404 Scots-Pine Dr.</td>
<td>985-807-7105 <a href="mailto:RSm177I@Inland-Dredging.com">RSm177I@Inland-Dredging.com</a></td>
<td>Prime/Sub</td>
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Certified by: Dustin White
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<tr>
<td>James Bean, Jr.</td>
<td>John Bax</td>
<td>In</td>
<td></td>
<td>Callan Marine, LTD</td>
<td>P.O. Box 17087 Galveston, TX 77552</td>
<td>584-259-0336 <a href="mailto:bids@callanmarine.com">bids@callanmarine.com</a></td>
<td>Prime/Sub</td>
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<tr>
<td>Mike Mayoral</td>
<td>Mike Mayoral</td>
<td>In</td>
<td></td>
<td>Southern Delta Corp</td>
<td>P.O. Box 1567 Walker, LA 70785</td>
<td>985-209-9684 <a href="mailto:m_mayeux@bellsouth.net">m_mayeux@bellsouth.net</a></td>
<td>Prime/Sub</td>
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<tr>
<td>Jamey Sanders</td>
<td>Jamey Sanders</td>
<td>In</td>
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<td>Southern Delta Construction</td>
<td>P.O. Box 1567 Walker, LA 70785</td>
<td>504-941-6448 <a href="mailto:jamey.sanders1@bellsouth.net">jamey.sanders1@bellsouth.net</a></td>
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<td>Denny Adolph</td>
<td>Denny Adolph</td>
<td>In</td>
<td></td>
<td>Deep South Airport</td>
<td>312 Oak Tree Rd Belle Chasse, LA 70037</td>
<td>denny.adolph@yaho</td>
<td>Prime/Sub</td>
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<tr>
<td>Perry Austin</td>
<td>Perry Austin</td>
<td>In</td>
<td></td>
<td>American Amphibious Equip</td>
<td>P.O. Box 463 Gretna, LA</td>
<td><a href="mailto:NitraA@AOL.com">NitraA@AOL.com</a> 504-458-0157</td>
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<tr>
<td>Scott Hughes</td>
<td>Scott Hughes</td>
<td>In</td>
<td></td>
<td>Calvary Coastal</td>
<td></td>
<td>504-259-3261 422-304-5523</td>
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<tr>
<td>Tye Fitzgerald</td>
<td>Tye Fitzgerald</td>
<td>In</td>
<td></td>
<td>CPRA</td>
<td>150 Tower St, BR, LA 70802</td>
<td>225-885-3426</td>
<td>Prime / Sub N/A</td>
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<td>Rudy Simon</td>
<td>Rudy Simon</td>
<td>In</td>
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<td>CPRA</td>
<td>150 Tower St, BR, LA 70802</td>
<td>225-882-0541</td>
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39. Prime / Sub

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41. Prime / Sub

42. Prime / Sub
ADDENDUM 1 TO BID DOCUMENTS
NORTHWEST TURTLE BAY MARSH CREATION PROJECT (BA-0125)

APPENDIX B: PRE-BID PRESENTATION
BA-0125 Northwest Turtle Bay Marsh Creation
Mandatory Pre-Bid Conference
January 9th, 2019 at 10:00 AM
Lafitte Town Hall, Lafitte, LA

Prospective bidders must sign in and attend the Pre-Bid conference in its entirety in order to bid on this project.
CWPPRA Project Sponsors and Team

Local Sponsor/Owner

Project Manager: Dustin White
Project Engineer: Thomas McLain, E.I.
Engineer of Record: Tye Fitzgerald, P.E.
Construction Manager: Adam Ledet, P.E.

Federal Sponsor

Project Manager: Kevin Roy
Bid Documents and Addenda

- Complete bid documents and addenda are available for review on the Louisiana Coastal Protection and Restoration Authority website.
  
  www.coastal.la.gov

Bidder Questions

- Please submit Questions regarding the bid by COB Monday, January 14th
  
  cpra.bidding@la.gov

- Questions regarding the bid must be submitted in writing to the CPRA contact listed in the Advertisement for Bids

- All verbal responses given at this conference are nonbinding
Contract Time

- The contract time shall be 475 consecutive calendar days from issuance of the Notice to Proceed.

Liquidated Damages

- Liquidated damages in the sum of $5,470.00 shall be deducted from any money due to the Contractor for each consecutive calendar day the Work remains incomplete beyond the Contract Time or as amended by Change Order.

Retainage

- In addition to any Ratio of Effort and Withholdings, a retainage of 5% to be withheld for a minimum of 45 days after final acceptance to ensure that all liens are released.
Land Rights Map

Louisiana Land & Exploration
Ordis Smith III – 985-853-3018

Rigolets Limited Partnership
Frank Tessier – 504-585-3809

Little Lake Hunting Club
Stephen Saucier – 504-584-1244
Owner has secured the following permits:

- Department of the U.S. Army Permit
  - Expires: 9/5/2022
- Consistency Determination from the LDNR
- Water Quality Certification from the LDEQ
- Fill Permit from the LDWF
Mobilization & Demobilization

TS-100 Mobilization and Demobilization

Provide all labor and equipment necessary to move personnel, equipment, construction materials (including dredge pipeline), and incidentals to and from the Project Site.

Measurement and Payment:
Payment shall be made at contract lump sum price for Bid Item No. 1, “Mobilization & Demobilization”.

Ratio of Effort:
- 25% upon confirmation of both the start of Earthen Containment Dike/Earthen Gap Closure construction and the establishment of the Office for Owner
- 50% upon completion of the entire hydraulic dredge pipeline to both MCA’s and confirmation of the hydraulic dredge mobilization to the Project Site
- 25% upon final acceptance of the work and confirmation of the removal of all equipment and unused materials
Surveys

TS-210 Construction Surveys
- Vertical Control: NAVD88 Geoid 12A Epoch 2010.00
  - Pre-Construction Surveys TS-210.4
  - Process Surveys TS-210.5
  - As-Built Surveys TS-210.6
- Monuments used for Design:
  - BA27-SM-02
  - BA27-SM-01R

Measurement and Payment:
Payment shall be made at contract lump sum price for Bid Item No. 2, “Construction Surveys”.

Contractor may request partial payments
- **50%** of the lump sum cost will be paid following acceptance of the Pre-Construction Surveys, excluding the Marsh Creation Pre-Construction Surveys
- **30%** of the lump sum cost will be paid following acceptance of all Process Surveys
- **20%** of the lump sum cost will be upon acceptance of the complete set of As-Built Surveys
Design Surveys: Plan Sheets 24-28

Access & West MCA Gap Closures: HydroTerra Technologies 10/2017 – 11/2017
East MCA: HydroTerra Technologies 6/2015 – 8/2015

Data Available at:

TS-250 Settlement Plates

- Contractor to fabricate and install 4 settlement plates in the East Marsh Creation Area
- Contractor to fabricate and install 8 instrumented settlement plates in the West Marsh Creation Area
- Locations to be shown in Addendum 1
- Payment shall be made for the Contract unit price per each for Bid Item No. 3, “Settlement Plates”
Contractor to fabricate and install 3 instrumented settlement plates in the **East Marsh Creation Area**, and to furnish instrumentation. CPRA to assemble instrumentation onto the settlement plates during installation with assistance from Contractor.

Payment shall be made at the Contact lump sum price for Bid Item No. 4, “Instrumented Settlement Plates”

Ratio of Effort = 75% installation / 25% Acceptance of Marsh Creation Area.

Locations to be shown in Addendum 1
Borrow Area

- Turtle Bay Borrow Area
- 264 Acres
- Average Bottom Elevation -4.0’
- Max Dredge Elevation -20.0’
- Average Cut Depth of 15’
- Approx. Pumping Distances
  - East MCA: 2.5 miles
  - West MCA: 1.5/2 miles
- Tier II Oyster Seed Ground
- Include Turbidity Control Plan in Work Plan
- Expect to encounter sands and shells
- Geotechnical Sampling and Analysis indicates Clays with some Sand Layers & Shell Fragments
- Expect to encounter sands and shells
- No additional payment shall be made for shell dispersal or disposal (SP-2.1)
East MCA Containment

TS-300 Earthen Containment Dike
- 19,400 Linear Feet
- Crown Elevation: +3.0’+0.5’
  - Contractor Must Maintain ECD Through Construction
- 5’ Crown Width
- 5:1 (H:V) Side Slopes
- Interior Borrow
- 25’ Minimum Distance from ECD Borrow
- Owner may Require Up to 20% of total ECD LF be Gapped/Degraded to MCA Elevation upon Final Acceptance
- Minimum 1’ of Freeboard must be Maintained During Construction

Ratio of Effort:
- 90% upon Initial Acceptance
- 10% upon Final Acceptance

Measurement and Payment:
- Unit Price per Linear Foot for Bid Item No. 5, “Earthen Containment Dikes”
- Contractor may Request Partial Payments on minimum 1000’ continuous & accepted sections
West MCA Containment

TS-300 Earthen Containment Dike

- 3,300 Linear Feet
- Crown Elevation: +3.0’+0.5’
  - Contractor Must Maintain ECD Through Construction
- 5’ Crown Width
- 4:1 (H:V) Side Slopes
- Interior Borrow
- 25’ Minimum Distance from ECD Borrow
- Owner may Require Up to 20% of total ECD LF be Gapped/Degraded to MCA Elevation upon Final Acceptance
- Minimum 1’ of Freeboard must be Maintained During Construction

Ratio of Effort:

- 90% upon Initial Acceptance
- 10% upon Final Acceptance

Measurement and Payment:

- Unit Price per Linear Foot for Bid Item No. 5, “Earthen Containment Dikes”
- Contractor may Request Partial Payments on minimum 1000’ continuous & accepted sections
West MCA Containment

TS-310 Earthen Gap Closure
- 9 Gap Closures
- 2,875 Linear Feet Total
- Crown Elevation: +1.5'+0.5'
  - Contractor Must Maintain ECD Through Construction
- 5' Crown Width
- 4:1 (H:V) Side Slopes
- Interior Borrow
- 25’ Minimum Distance from ECD Borrow

Ratio of Effort:
- 90% upon Initial Acceptance
- 10% upon Final Acceptance

Measurement and Payment:
- Unit Price per Linear Foot for Bid Item No. 6, “Earthen Gap Closures”
- No Partial Payments
West MCA Containment

TS-311 Sheet Pile Gap Closure

- PZ22 Sheet Pile
- 115 Linear Feet
- 2,545 Square Feet
- Tip Elevation: -21.0’-1.0’
  - Contractor Must Maintain Sheet Pile Closure Through Construction of West MCA
- Top Elevation 1.5’+0.5’
- Tie into Adjacent Earthen Gap Closures
- Top of Sheet Pile will be cut to constructed grade upon Acceptance of the West MCA

Ratio of Effort:

- 90% upon Initial Acceptance
- 10% upon Final Acceptance

Measurement and Payment:

- Unit Price per Square Foot for Bid Item No. 7, “Sheet Pile Gap Closure”
Equipment Access
TS-330 Equipment Access Channels

- Turtle Bay is a Tier II Oyster Seed Ground
- All Equipment in Turtle Bay must be Floating at ALL Times and Remain in Designated Project Area
- 4’ Average Water Depth
- +0.68’ MHW
- +0.2’ MLW
- Both sides of Harvey Cut are Permitted for Booster Pump Anchorage

BA-0125 Northwest Turtle Bay Marsh Creation Mandatory Pre-Bid Conference 1/9/2019
Access Dredging

TS-330 Equipment Access Channels

Access Dredging

- 2 Permitted Access Dredging Channels
  - Harvey Cutoff to Borrow Area: Approx. 2,900’
  - Borrow Area to West MCA Sheet Pile Gap Closure: Approx. 2,200’
  - Max Bottom Elevation -6.0’
  - 60’ Bottom Width
  - 2:1 (H:V) Side Slopes
  - Temporary Spoil to be Backfilled Prior to Demobilization
  - Temporary Spoil shall be marked with warning signs per TS-150
  - **Unverified Pipeline potentially crossing both corridors**

TS-330.8 Ratio of Effort

- 70% upon Initial Acceptance (Channel Dredged)
- 30% upon Final Acceptance (Channel Backfilled)

TS-330.9 Measurement and Payment

- Payment shall be made at the Contact lump sum price for Bid Item No. 8, “Equipment Access Channels”

[Diagram of access dredging channels and pipeline crossing]
TS-400 Hydraulic Dredging and Marsh Fill

TS-400.5.1 Maximum Production Rate of Dredging Material

- Maximum Production Rate: **700CY/ Hour per MCA**

- This is a limitation to promote material retention within MCA’s.

- The Engineer reserves the right to issue the Contractor a waiver of the maximum production rate and/or reinstate the maximum production rate dependent upon site conditions during placement of the dredged material.

- Placement of dredge material shall start in the West MCA (TS-400.4)
  - The Contractor may place dredge material in both MCA’s with prior approval from the Engineer.

- The Contractor shall document the following daily:
  - average hourly production rate
  - maximum hourly production rate achieved
  - volume of the dredged material placed into each marsh creation area
  - average concentration of the dredged material (mg/L or units approved by the Engineer) every day of hydraulic dredging operations.
TS-400 Hydraulic Dredging and Marsh Fill

TS-400.5.1 Maximum Production Rate of Dredging Material

- Exceed the maximum hourly production rate
  - The Contractor shall provide the Engineer a detailed summary of the hourly production rates for the previous 24 hour period
- Exceed the maximum hourly production rate 3 times or more
  - Cease dredging operations temporarily
  - Time equivalent to excess material placed at 700CY/Hour

- Borrow Area payment surveys discrepancy with Daily Progress Reports
  - Engineer reserves the right to deduct payment for quantities exceeding the maximum hourly production rate and reported operational hours
  - This quantity will be calculated by the Engineer

TS-400.11 Measurement and Payment

- Payment at unit price per cubic yard for Bid Item No. 9, Hydraulic Dredging and Marsh Fill
- Contractor may request partial payment on a monthly basis
  - Payment will be determined by process survey cross sections of borrow area
  - Any quantity of material dredged beyond limits of pay or placed above fill tolerance may be deducted from payment
East Marsh Creation Area (Fully Confined)

TS-400.5.2 East Marsh Creation Area

- 370 Acres
- Average Bottom Elevation -0.59’
- Target Marsh Fill Elevation +1.5’+0.5’
- Dewater Along Southern Boundary
  - No Dewatering into open water along Eastern & Western Boundaries or Camp Canal to the North

- 37 Grade Stakes
  - Locations to be provided in Work Plan and Approved by Engineer
- 8” Chevron Pipeline bisects MCA
  - Contractor to provide protective measures for equipment crossing in Work Plan

- Contractor must provide Little Lake Hunting Club members a corridor to cross dredge pipeline capable of accommodating surface drive boats south of the Hunting Camp
East Marsh Creation Area (Fully Confined)

TS-400.9 East MCA Acceptance

- Notify Engineer when Grade Stake elevations indicate target marsh elevation
- All Grade Stake readings must be within the tolerance in order to be accepted.
- Two days notice for topographic survey
- At least 80% of the survey points must be within tolerance for the East Marsh Creation Area to be accepted.
West Marsh Creation Area Fill (Semi Confined)

- **TS-400.5.3 West Marsh Creation Area**
  - 440 Acres
  - Average Bottom Elevation 0.06’
  - Target Marsh Fill Elevation +1.5’+0.5’
  - Dewater toward Northern Boundary
    - No Dewatering adjacent bayous, canals, or Harvey Cut
  - 44 Grade Stakes
    - Locations to be provided in Work Plan and Approved by Engineer
  - Multiple Pipelines bisect MCA
    - Contractor to provide plans for protective measures for equipment crossings in Work Plan
  - Discharge Zones are mislabeled in Plan Set
    - Will be Corrected in Addendum 1

<table>
<thead>
<tr>
<th>Discharge Zone</th>
<th>Maximum Dredged Material Quantity (CY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>250,000</td>
</tr>
<tr>
<td>2</td>
<td>280,000</td>
</tr>
<tr>
<td>3</td>
<td>200,000</td>
</tr>
<tr>
<td>4</td>
<td>230,000</td>
</tr>
</tbody>
</table>
West Marsh Creation Area Fill (Semi Confined)

TS-400.5.3 West Marsh Creation Area

- Contractor will begin placement of dredge material in Discharge Zones 3 or 4
- Discharge Zones 3 & 4 must be completed before placement of dredge material in Discharge Zones 1 or 2
- May require multiple pipe movements within Discharge Zone until Max. Quantity is exhausted
- Engineer reserves the right to instruct the Contractor to utilize unused dredged material quantity from a completed Discharge Zone to assist in filling remaining Discharge Zones

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</tbody>
</table>
West Marsh Creation Area Fill (Semi Confined)

**TS-400.10 West MCA Acceptance**

- Notify Engineer when Grade Stake elevations indicate target marsh elevation or quantities for all discharge zones have been exhausted.
- Two days notice for topographic survey.
- At least **50%** of the survey points must be within tolerance for the West Marsh Creation Area to be accepted.
- If additional dredge material is required, the Engineer may require the Contractor to place additional material prior to acceptance.
- The Engineer reserves the right to instruct the Contractor to place additional material up to 25% of the base bid quantity at the original contract price per cubic yard.

**Discharge Zone**

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</tbody>
</table>
## Schedule of Bid Items

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Work or Material</th>
<th>Quantity</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mobilization/Demobilization (TS-100)</td>
<td>1</td>
<td>LS</td>
</tr>
<tr>
<td>2</td>
<td>Construction Surveys (TS-210)</td>
<td>1</td>
<td>LS</td>
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<tr>
<td>3</td>
<td>Settlement Plates (TS-250)</td>
<td>12</td>
<td>Each</td>
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<tr>
<td>4</td>
<td>Instrumented Settlement Plates (TS-251)</td>
<td>1</td>
<td>LS</td>
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<tr>
<td>5</td>
<td>Containment Dikes (TS-300)</td>
<td>22,700</td>
<td>LF</td>
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<tr>
<td>6</td>
<td>Earthen Gap Closures (TS-310)</td>
<td>2,875</td>
<td>LF</td>
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<tr>
<td>7</td>
<td>Sheet Pile Gap Closures (TS-311)</td>
<td>2,545</td>
<td>SF</td>
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<tr>
<td>8</td>
<td>Equipment Access Channels (TS-330)</td>
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<tr>
<td>9</td>
<td>Marsh Creation (TS-400)</td>
<td>2,286,000</td>
<td>CY</td>
</tr>
</tbody>
</table>
Notice to Mariners and Aids to Navigation (TS-150)

1. A copy of the Notice to Mariners shall be provided to the Engineer prior to dredging or excavation.
2. After consultation with the USCG, the contractor shall provide the type and location of any necessary aids to navigation to the Engineer.

Contractor Notifications

1. Land owners, utility operators and Louisiana One-Call prior to construction;
2. Engineer before performing surveys and after field work is complete;
3. Engineer regarding noncompliance with permit conditions (Borrow area, etc.);
4. Engineer regarding dike breaches;
5. Engineer regarding discovery of historical or cultural artifacts;
Highly Encouraged Job Site Visit

1pm at Boat Launch at Nick’s Marina
5057 Kenal Rd, Lafitte, LA 70067

Each Prospective Bidder must provide own transportation

Only Opportunity to Inspect Marsh Creation Areas (Private Land)

Bidders are highly encouraged to visit Turtle Bay Borrow Area (Publicly Accessible)
Northwest Turtle Bay Marsh Creation

Recap

- Highly Encouraged Job Site Visit Today at 1pm
  - Meet at Nick’s Marina Boat Launch
    - 5057 Kenal Rd, Lafitte, LA 70067
- Bid Opening: 2:00 P.M. Thursday January 24th
- Please submit Questions regarding the bid by COB Monday, January 14th
  
  cpra.bidding@la.gov