ADDENDUM NO. 1 TO BID DOCUMENTS FOR THE
EAST MUD LAKE HYDROLOGIC RESTORATION
PROJECT (CS-20) - FINAL MAINTENANCE

CAMERON PARISH, LOUISIANA
ADDENDUM I TO BID DOCUMENTS
EAST MUD LAKE HYDROLOGIC RESTORATION (CS-20) – FINAL MAINTENANCE

The interpretations, corrections or changes in this addendum supersede the requirements in the Bid Documents dated 3/16/2018. The Successful Bidder shall be issued a revised set of Contract Documents.

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

1. Sign-in sheet from the mandatory pre-bid meeting is attached hereto.

2. Engineer’s estimate of probable construction cost is $300,000.

Responses to Questions from Bidders

1. Question: Can you provide the construction drawings or as-built drawings for the existing Structure No. 17 for the purpose of aiding in the estimating of demolition of the structure?
   Response: See attached drawings.

2. Will there be any restrictions placed on the contractor for work being performed during the waterfowl seasons?
   Response: The use of airboats is highly discouraged and conditional permission must be given for their use. Surface drive or shallow draft outboards should be used throughout construction. If the use of airboats is an absolute necessity, permission can be granted upon review and consideration by the land owner on a case-by-case basis. The use of airboats is prohibited during waterfowl season prior to 10:00 am and after 3:00 pm. All vessels shall adhere to the access routes provided in the project drawings.

3. Can additional time be added to the project calendar days if work is suspended during waterfowl hunting seasons?
   Response: Yes, if work is suspended by CPRA through no fault of the Construction Contractor, additional time can be allocated.

4. When will new drawings be available for the redesign of the lifting arm to be installed on Structure #13?
   Response: Revised drawings are attached.

5. Question: Our Tidewall local distributor checked with Tidewall Manufacturing and they were told that Tidewall does not make a pre-formed vinyl cap for their products. They do offer an aluminum cap for their vinyl sheet pile but the largest they have is 9.62” wide to fit over the vinyl sheet pile wall. This would work on a TW 25 to a TW 70 sheet pile. A TW 90 vinyl sheet pile (as called for) is 10” deep and their caps would not fit. Can a bent plate aluminum cap made of 5051 aluminum be used? If so, can details be provided and possible anchoring with ½” S.S. bolts to the face side of vinyl sheet piles?
Response: A bent aluminum cap made of 5051 aluminum will be allowed. Contractor shall provide shop drawings to the Engineer for review and approval prior to fabrication. Cap shall be anchored with ½” diameter stainless steel bolts, type 316 conforming to ASTM A 320. Bolts shall be installed on each side of the wall with bolt spacing at ±36” center-to-center.

6. Question: Spec. Section 107 Treated Timber Piles & Lumber, Sub Section 107.7 Driving states that swing leads will not be permitted. This is a small pile driving project and a small crane with swing leads could be used as a substantial savings as compared to a larger crane with non-swing leads. Can swing leads be utilized on this project?

Response: Swing leads will be allowed for this project.

7. Question: Spec Section 106 Vinyl Sheet Piles, Sub Section 106.7 Hardware calls for hardware to connect timber members to vinyl sheet pilings shall conform to ASTM A 325, which is high strength structural steel bolt usually galvanized. Drawing sheet 7 of 15 shows timber to vinyl sheet piles to be S.S. (stainless steel) on all elevations and sections. Which is correct?

Response: Hardware to connect timber members to vinyl sheet piles shall be stainless steel grade 316, conforming to ASTM A 320.

8. Question: Spec. Section 106 Vinyl Sheet Piles, Sub Section 106.7 Hardware, talks about a warning sign 44” x 44”, mounting hardware and pipe material for frame to be 6061-T6 aluminum. We cannot find any other details about this sign. Can more details be provided as to where it will be mounted and a sample sign?

Response: No permanent warning signs are required for this project. Contractor shall disregard any reference in the project specifications concerning permanent warning signs. Warning signs required during construction to warn the public and potential jobsite hazards shall be required as deemed necessary by the Construction Contractor.

9. Question: Spec. Section 107 Treated Timber Piles & Lumber, Sub Section 107.2 Materials calls for a 7” tip on timber piles. Sub Section 107.5 Selection and Preparation of Piles calls for a 9” pile point. There is some discrepancy on these 2 items. Can this be clarified?

Response: Pile tips should be 7” in diameter.

10. Question: Would CPRA consider allowing the use of CS20-SM-03 which is at Site 4 for any survey work at this site?
Response: CS20-SM-03 may have been destroyed. A recent observation/update of this monument has not been performed by CPRA. For the purposes of this project, the Construction Contractor may elect to set a TBM (relative to the control monuments provided in the specifications) at a location of his choosing to aid in the construction of the project features.

**Approved Equals**

Vinyl Sheet Piles – ShoreGuard as manufactured by Crane Materials International (CMI), Section SG-825. Contractor shall be responsible for making any dimensional adjustments to Structure No. 17 components that may result from the use of this product.

**Project Specifications Alterations**

1. All sawn timber surfaces shall be coated with Coal-Tar Epoxy in accordance with TS-113 Coal-Tar Epoxy, which is attached hereto.
## PRE-BID CONFERENCE
### SIGN IN SHEET

**PROJECT:** CS-20 E. Mud Lake Final Maintenance  
**DATE:** June 6, 2018 at 10:00 m  
**LOCATION:** E. Mud Lake Project Site

<table>
<thead>
<tr>
<th>(Sign-In)</th>
<th>Printed Name &amp; Signature</th>
<th>Company Name &amp; Address</th>
<th>Phone No., Fax No. &amp; Email</th>
<th>Site Visit?</th>
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| Paul Mattiacci | [Signature] | Cycle Construction  
6 E 3rd St.  
Kenedy, LA 78119 | (504)-467-1444, (504)-467-1252  
estimating@CycleConstruction.com | Yes |
| [Signature] | Chris Nagy | MAIN BROTHERS INC  
500 RAPIDS AVE  
BELLE FONTE LA | [Email] | Yes |
| [Signature] | Mike McClain | HYDROTECH INC TECH  
202 JACOBS Run SCOTT LA | [Email] | Yes |
664 Hwy 294  
LOUISIANA, LA 70657 | [Email] | Yes |
| [Signature] | [Signature] | LeBlanc Marine  
3901 RAX ST  
Champlain New Iberia, LA 70560 | [Email] | Yes |
| [Signature] | [Signature] | [Signature] | [Email] | Yes |

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1 of 3
## PRE-BID CONFERENCE
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<tbody>
<tr>
<td>Brent Simon, MCC Oilfield Services, 521 Hwy 90 E LC, LA</td>
<td><a href="mailto:brent_simon@live.com">brent_simon@live.com</a></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Nathan Doudis, B&amp;T Inc</td>
<td><a href="mailto:nathan_doudis@b2mmarine.com">nathan_doudis@b2mmarine.com</a></td>
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</table>
337-540-8313 | ✓ |
| Randy Bastardi, B&T Inc | randy_bastardi@b2mmarine.com |  
337-485-9453 | ✓ |

Please Print Clearly
**PRE-BID CONFERENCE**
**SIGN IN SHEET**

**PROJECT:** CS-20 E. Mud Lake Final Maintenance

**DATE:** June 6, 2018 at 10:00 m

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*Please Print Clearly*

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3 of 3
Structure #17 - As-builts
NOTES:
1. 1" DIAMETER BOLT MAY BE SUBSTITUTED FOR 1" ALL-THEAD.
2. BALANCED SHEET METAL FLASHING SHALL BE 20 GAUGE.
3. ATTACHED USING BALANCED NAILS AND SHANK HOOKS.
4. SEE CONSTRUCTION SPECIFICATION No. 11, FOLDING.
5. TABLE WELD ALL HINGES AFTER INSTALLATION TO PREVENT REMOVAL.

NOTE:
LIFT HOISTS SHALL BE CONNECTED WITH FIVE LINKS OF 1/2" CHAIN AT EYE BOLTS

PLAN VIEW

SIDE ELEVATION

LIFT HOIST DETAIL

AS-BUILT

© U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

DETIALS - PILE PILE AND LIFT HOIST
SITE NO. 17
CAMERON PARISH, LOUISIANA

L.A. 212
NOTES:
1. 4" Diameter Stainless Steel Hose Must Have Guard (Guides) to Keep Hose in Place. Guides Not Shown.
2. Hand Knob Shall Be Painted at 2500 lbs. Minimum and Shall Have a Wear Plate between 1/4 and 1/2 thickness.
5. Contractor shall Provide the USPS for Approval. Shop Drawings Of the Hand Knob 14 Days Prior to Purchasing.
MAINTENANCE TASKS FOR STRUCTURE NO. 13:

1. MODIFY EXISTING TIMBER PILES.
2. PROVIDE AND INSTALL TWO (2) NEW FLAP GATES.
3. REPAIR OR REPLACE ANY MISSING OR DAMAGED FLAP GATE HINGES.
   (4 TOTAL HINGES AT THIS STRUCTURE)
4. INSTALL TWO (2) FLAP GATE LIFTING ASSEMBLIES.

GENERAL NOTES:

1. ALL REPLACEMENT PART DIMENSIONS SHALL BE FIELD VERIFIED AND REPLACED WITH LIKE MATERIALS INCLUDING THICKNESS AND SIZING.
2. CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL COMPONENTS FIT AND FUNCTION PROPERLY.
NOTE:

THE ENTIRE ASSEMBLY SHALL BE WELD USING A WELD THAT IS 2. CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL COMPONENTS FIT AND FUNCTION PROPERLY.

1/16" THINNER THAN THE SMALLEST CONNECTING MATERIAL

1. ALL REPLACEMENT PART EMBLEMS SHALL BE FIELD MACHINED AND REPLACED WITH LIKE MATERIAL INCLUDING THICKNESS AND SIZING.

TASK 1: MODIFY EXISTING TIMBER PILES.

TASK 2: PROVIDE AND INSTALL TWO (2) NEW FLAP GATES.

TASK 3: REPAIR OR REPLACE ANY MISSING OR DAMAGED FLAP GATE HINGES.

(4 TOTAL HINGES AT THIS STRUCTURE)

EAST MUD LAKE - HYDROLOGIC RESTORATION - FINAL MAINTENANCE

STATE PROJECT NUMBER: CS-28

FEDERAL PROJECT NUMBER: CS-30

DATE: 03/16/2018

COASTAL PROTECTION AND RESTORATION AUTHORITY

501 LAUREL STREET

Baton Rouge, Louisiana 70801

APPROVED BY: L. HARPER, P.E.

DESIGNED BY: C. WHEAT

DREW BY: A. HARPER

STRUCTURE 13

FLAP GATE & LIFTING ARM

MAINTENANCE TASKS FOR STRUCTURE NO. 13:

TASK 1: MODIFY EXISTING TIMBER PILES.

TASK 2: PROVIDE AND INSTALL TWO (2) NEW FLAP GATES.

TASK 3: REPAIR OR REPLACE ANY MISSING OR DAMAGED FLAP GATE HINGES.

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NOTE:

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ADJUST AS NECESSARY TO FIT EXISTING CONDITIONS. THE CONTRACTOR SHALL SUBMIT IN A WRITEUP REFLECTING ANY OF THESE CHANGES FOR A WELD THAT IS 2. CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL COMPONENTS FIT AND FUNCTION PROPERLY.

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TASK 4 INSTALL TWO (2) FLAP GATE LIFTING ASSEMBLIES.

GENERAL NOTES:

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2. CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL COMPONENTS FIT AND FUNCTION PROPERLY.

NOTE:

THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND ADJUST AS NECESSARY TO FIT EXISTING CONDITIONS. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS REFLECTING ANY OF THESE CHANGES FOR APPROVAL PRIOR TO FABRICATION.
113.1 SCOPE

This specification shall consist of furnishing all materials, labor, equipment, supervision, etc., to paint all sawn timber surfaces associated with this project in conformance with these specifications and as directed by the Project Engineer.

113.2 REFERENCE TEST METHODS AND SPECIFICATIONS

Federal Test Method No. 141, Abrasion, Method 6192, CS-17 Wheel; 1000 grams load TT-C 550 C 4.4.5.2 and 4.4.5.3 Graffiti-resistance.

American Society of Testing and Materials (ASTM)

ASTM D 4541-85; Adhesion - Elcometer Adhesion Tester

ASTM D 3363-74; Hardness

ASTM D 2247-68; Humidity

ASTM B 117-73; Salt Spray (FOG)

ASTM D 149; Dielectric Strength

ASTM D 4585; Humidity (Controlled Condensation)

ASTM D 4060; Abrasion-resistance

ASTM D 522; Method 2; Flexibility

ASTM G 53; QUV

ASTM D 3363; Pencil Hardness

ASTM D 4141-C; EMMAQUA NTW, Weathering

113.3 SUBMITTALS

Contractor shall submit the following information

Product data sheets
Coating Schedule

Generic type of coating

Performance Data

Material Safety Data Sheets

List of ten projects that have performed satisfactorily for five years in the gulf coast area.

113.4 DELIVERY, STORAGE AND HANDLING

All materials, delivered to job-site, shall be in original sealed and labeled containers of the coal-tar manufacturer,

Store materials in a protected area at a temperature between 40° F and 100° F. All coatings and coal-tar shall be stored in enclosed structures to protect them from weather and excessive heat or cold. Flammable coatings or coal-tar must be stored to conform to Parish, State and Federal safety codes for flammable coating or paint materials. At all times, coatings and coal-tar shall be protected from freezing.

113.5 PROJECT CONDITIONS

Environmental Requirements: Coatings shall be applied during good painting weather. Air and surface temperatures shall be between 40° F and 120°F.

Surface temperature shall be at least 5° F above dew point. Relative humidity shall be below 85%.

113.6 WARRANTY

The contractor shall warranty his work for a period of one year to the extent that he shall repair any defects due to faulty workmanship or materials which may appear on the structure during this period. A first anniversary inspection shall be conducted in accordance with Section 9 of AWWA D-102-97.

113.7 PRODUCTS


113.8 MATERIALS
See coating schedule in this specification.

113.9 REQUIREMENTS

All coating utilized shall be certified “non-lead” (less than 0.06% lead by weight in the dried film) as defined in part 1303 of the consumer Product Safety Act.

The coating manufacturer shall certify that the zinc dust used in the zinc coatings meets the requirement of ASTM D 520 Type III. The manufacturer of the exterior coating system shall be capable of providing case histories that are a minimum of five (5) years old. The polyurethane color coat shall pass SSPC No.36 standard for urethanes.

113.10 EXECUTION

CONTAINMENT/DISPOSAL

Containment / Disposal costs - The painting contractor shall be responsible for all costs associated with containment and waste disposal that may result from the execution of this project.

SURFACE PREPARATION

Prepare surfaces in accordance with coating system’s specifications which may be located at www.Amercoat.com.

Prior to preparation, all surfaces shall be clean and dry and free of dust, dirt, oil, wax, grease and other contaminants. Remove all oil, dirt, grease and all other soluble surface contaminants in accordance with SSPC-SP1. Abrasive blast all surfaces in accordance with SSPC-SP10 to produce an anchor pattern of 2 to 4 mil profile as determined with a Keane-Tator surface profile comparator or a similar device. Verify chlorides are within the limitations of the coating manufacturer, and an anchor pattern from 2-4 Mils has been achieved. If not, consult manufacturer’s representative.

MATERIAL PREPARATION

Materials shall be mixed, thinned and applied according to the manufacturer’s recommendations.

113.11 FIELD QUALITY CONTROL

Inspection

The contractor will be required to perform random testing of coating thickness and holiday detection, said tests shall be performed after each coat has been applied. Frequency
of tests shall be sufficient to ensure that contract plans and specifications are satisfied.

Correct work that is not acceptable and request a re-inspection.

Any damaged areas shall be repaired as to manufactures specifications.

113.12 CLEANING

Removal of Trash

Remove and dispose of, in a legal manner, all rubbish or other unsightly material leaving the premises pre-project condition.

113.13 COATING SCHEDULE

Surface Preparation

Remove all visible oil, grease, soil, dirt and other soluble contaminants in accordance with SSPC SP1. All surfaces shall be abrasive blast cleaned to a Near White Metal Blast Cleaning in accordance with the recommended methods outlined in the Steel Structures Painting Council’s Specification SSPC SP10.

Coating System requirement in dry mils

<table>
<thead>
<tr>
<th>Coat</th>
<th>Material</th>
<th>Thickness (mils)</th>
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<tbody>
<tr>
<td>1st Coat</td>
<td>Ameron 78HB, or approved equal</td>
<td>7.0-10.0</td>
</tr>
<tr>
<td>2nd Coat</td>
<td>Ameron 78HB, or approved equal</td>
<td>7.0-10.0</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>14.0-20.0</td>
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113.14 BASIS OF PAYMENT

There shall be no direct payment for Coal Tar Epoxy.