

**BID DOCUMENTS
FOR
DELTA-WIDE CREVASSES
MAINTENANCE PROJECT (MR-09)
PLAQUEMINES PARISH, LOUISIANA**



**STATE OF LOUISIANA
COASTAL PROTECTION AND RESTORATION AUTHORITY**

OCTOBER, 2013

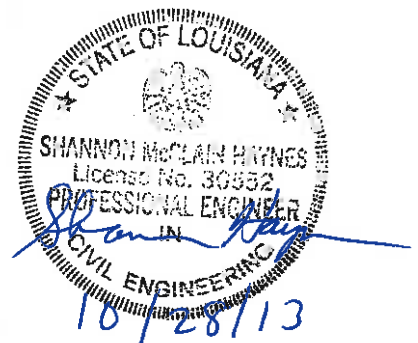


TABLE OF CONTENTS

<u>GENERAL REQUIREMENTS</u>	Pages Included
Project Title Page	1
Table of Contents	3
Index to Drawings	1
Procurement Requirements	
Advertisement for Bids	2
Instruction for Procurement	
Instructions to Bidders	7
Procurement Forms and Supplements	
Louisiana Uniform Public Works Bid Form	2
Bid Security Form	1
Attestations	2
Contracting Requirements	
Contract Between Owner & Contractor & Performance & Payment Bond & Affidavit	5

Section	Title	Page No.
PART I	GENERAL PROVISIONS	1
GP-1	DEFINITION OF TERMS.....	1
GP-2	BID REQUIREMENTS	4
GP-3	AVAILABILITY OF PLANS AND SPECIFICATIONS	5
GP-4	LAWS, REGULATIONS, STANDARDS, SPECIFICATIONS, AND CODES	5
GP-5	PRE-BID CONFERENCE AND SITE VISIT	6
GP-6	NOTICE OF AWARD	6
GP-7	NOTICE TO PROCEED AND CONTRACT TIME.....	7
GP-8	WORK PLAN	7
GP-9	PROGRESS SCHEDULE.....	8
GP-10	DAILY PROGRESS REPORTS.....	8
GP-11	HURRICANE AND SEVERE STORM PLAN.....	9
GP-12	HEALTH AND SAFETY PLAN AND INSPECTIONS.....	10
GP-13	PROGRESS MEETINGS AND REPORTS	10
GP-14	PRE-CONSTRUCTION CONFERENCE	11
GP-15	CONTRACT INTENT.....	11
GP-16	ENGINEER AND AUTHORITY OF ENGINEER.....	11
GP-17	CONFORMITY WITH PLANS AND SPECIFICATIONS	11
GP-18	CLARIFICATIONS AND AMENDMENTS TO CONTRACT DOCUMENTS.....	12
GP-19	SUBCONTRACTS	12
GP-20	WORKERS, METHODS, AND EQUIPMENT	13
GP-21	ACCIDENT PREVENTION, INVESTIGATIONS, AND REPORTING.....	14
GP-22	PRESERVATION AND RESTORATION OF PROPERTY, MONUMENTS, ETC.	14
GP-23	PROTECTION OF THE WORK, MATERIALS, AND EQUIPMENT.....	14
GP-24	LAND RIGHTS	15
GP-25	UTILITIES.....	15
GP-26	PERMITS.....	15
GP-27	PROJECT SITE CLEAN-UP.....	16

GP-28	OWNER INSPECTION.....	16
GP-29	DUTIES OF RESIDENT PROJECT REPRESENTATIVE	16
GP-30	CONSTRUCTION STAKES, LINES, AND GRADES	16
GP-31	CONTRACTOR’S RESPONSIBILITY FOR WORK	17
GP-32	ENVIRONMENTAL PROTECTION	17
GP-33	SANITARY PROVISION	17
GP-34	PAYMENT OF TAXES	18
GP-35	RADIO AND TELEPHONES	18
GP-36	NAVIGATION	18
GP-37	OBSTRUCTION TO NAVIGATION	18
GP-38	MARINE VESSELS AND MARINE ACTIVITIES.....	18
GP-39	RECORD KEEPING	19
GP-40	CERTIFICATES OF COMPLIANCE.....	19
GP-41	SUBMITTALS	19
GP-42	CLAIMS FOR EXTRA COST	19
GP-43	ALTERATION OF THE CONTRACT AND COMPENSATION	20
GP-44	EXTENSION OF CONTRACT TIME	21
GP-45	OWNER’S RIGHT TO TERMINATE CONTRACT FOR CAUSE OR CONVENIENCE	21
GP-46	TEMPORARY SUSPENSION OF WORK.....	22
GP-47	NON-CONFORMING AND UNAUTHORIZED WORK.....	22
GP-48	CONTRACTOR’S RIGHT TO TERMINATE CONTRACT	22
GP-49	BREACH OF CONTRACT.....	23
GP-50	NO WAIVER OF LEGAL RIGHTS	23
GP-51	LIABILITY FOR DAMAGES AND INJURIES.....	23
GP-52	LIABILITY FOR LOSSES BY ACTS OF THE GOVERNMENT.....	24
GP-53	SUBSTANTIAL COMPLETION.....	24
GP-54	FINAL INSPECTION AND ACCEPTANCE	25
GP-55	AS-BUILT DRAWINGS	25
GP-56	COMPLETION OF CONTRACT	25
GP-57	CONTRACTOR’S GUARANTEE.....	26
GP-58	DISPUTE RESOLUTION	27
GP-59	PAYMENT	27
GP-60	PAYMENTS WITHHELD	28
GP-61	LIENS	28
GP-62	EQUAL EMPLOYMENT OPPORTUNITY	29
GP-63	ANTI-KICKBACK CLAUSE	29
GP-64	SUSPENSION/DEBARMENT.....	29
PART II	SPECIAL PROVISIONS	31
SP-1	LOCATION OF WORK.....	31
SP-2	WORK TO BE DONE	31
SP-3	BID ITEMS, CONTRACT DATES, AND DELIVERABLES	33
SP-4	CONTACT INFORMATION	34
SP-5	INSURANCE AND BONDS.....	34
SP-6	PRE-CONSTRUCTION CONFERENCE	39
SP-7	DELIVERABLES	40
SP-8	WORK PLAN SUPPLEMENTAL	42
SP-9	FAILURE TO COMPLETE ON TIME	42
SP-10	TRANSPORTATION	42
SP-11	LANDOWNER AND PIPELINE REQUIREMENTS	43
SP-12	OYSTER LEASE RESTRICTIONS.....	44
SP-13	NAVIGATION	44
PART III	TECHNICAL SPECIFICATIONS.....	45

TS-1	MOBILIZATION AND DEMOBILIZATION	45
TS-2	SURVEYING	45
TS-3	HYDAULIC DREDGING OPTION	49
TS-4	MECHANICAL DREDGE OPTION	51
APPENDIX A: REQUEST FOR INFORMATION FORM.....		53
APPENDIX B: CHANGE ORDER FORM		54
APPENDIX C: RECOMMENDATION OF ACCEPTANCE FORM		55
APPENDIX D: LANDRIGHTS.....		56
APPENDIX E: PERMITS OBTAINED BY OWNER.....		57
APPENDIX F: DIRECTIONS TO BOAT LAUNCH.....		58
APPENDIX G: SECONDARY SURVEY MONUMENT DATA SHEETS.....		59
APPENDIX H: DREDGE DATA SHEET		60
APPENDIX I: EQUIPMENT DATA SHEET		61
APPENDIX J: DAILY PROGRESS REPORT FORM.....		62

INDEX TO DRAWINGS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1.	TITLE SHEET
2.	GENERAL NOTES
3.	PLAN VIEW
4.	MP-1 CREVASSE LAYOUT
5.	MP-3 CREVASSE LAYOUT
6.	OP-4 CREVASSE LAYOUT
7.	OP-5 CREVASSE LAYOUT
8.	JOHNSON PASS CREVASSE LAYOUT
9.	SAWDUST BEND CREVASSE LAYOUT
10.	SOUTH PASS CREVASSE LAYOUT
11.	CREVASSE DREDGING AND MECHANICAL PLACEMENT TYPICAL SECTIONS
12.	CREVASSE DREDGING AND MECHANICAL PLACEMENT TYPICAL SECTIONS
13.	HYDRAULIC DREDGE PLACEMENT TYPICAL SECTION
14.	DESIGN SURVEY LAYOUT FOR CREVASSE MP-1
15.	DESIGN SURVEY LAYOUT FOR CREVASSE MP-3
16.	DESIGN SURVEY LAYOUT FOR CREVASSE OP-4
17.	DESIGN SURVEY LAYOUT FOR CREVASSE OP-5
18.	DESIGN SURVEY LAYOUT FOR JOHNSON PASS CREVASSE
19.	DESIGN SURVEY LAYOUT FOR SAWDUST BEND CREVASSE
20.	DESIGN SURVEY LAYOUT FOR SOUTH PASS CREVASSE
21.	CONSTRUCTION SURVEY LAYOUT FOR MP-1 CREVASSE
22.	CONSTRUCTION SURVEY LAYOUT FOR MP-3 CREVASSE
23.	CONSTRUCTION SURVEY LAYOUT FOR OP-4 CREVASSE
24.	CONSTRUCTION SURVEY LAYOUT FOR OP-5 CREVASSE
25.	CONSTRUCTION SURVEY LAYOUT FOR JOHNSON PASS CREVASSE
26.	CONSTRUCTION SURVEY LAYOUT FOR SAWDUST BEND CREVASSE
27.	CONSTRUCTION SURVEY LAYOUT FOR SOUTH PASS CREVASSE

ADVERTISEMENT FOR BIDS

Sealed bids will be received for the State of Louisiana by the Division of Administration, Office of Facility Planning and Control, Claiborne Office Building, 1201 North Third Street, Conference Room 1-145, Post Office Box 94095, Baton Rouge, Louisiana 70804-9095 until 2:00 P.M. Thursday, December 5, 2013.

ANY PERSON REQUIRING SPECIAL ACCOMMODATIONS SHALL NOTIFY FACILITY PLANNING AND CONTROL OF THE TYPE(S) OF ACCOMMODATION REQUIRED NOT LESS THAN SEVEN (7) DAYS BEFORE THE BID OPENING.

FOR: **DELTA-WIDE CREVASSES MAINTENANCE PROJECT**

PROJECT NUMBER: **MR-09**

Complete Bid Documents for this project are available in electronic form. They may be obtained without charge and without deposit from <http://dnr.louisiana.gov/index.cfm?md=pagebuilder&tmp=home&pid=432>. Printed copies can also be obtained from:

COASTAL PROTECTION AND RESTORATION AUTHORITY (CPRA)

450 Laurel Street, Suite 1501
Baton Rouge, Louisiana, 70801

Attn: Renee McKee

Email: cpra.bidding@la.gov Phone: (225) 342-0811 Fax: (225) 342-4674

All bids shall be accompanied by bid security in an amount of five percent (5.0%) of the sum of the base bid and all alternates. The form of this security shall be as stated in the Instructions to Bidders included in the Bid Documents for this project.

The successful Bidder shall be required to furnish a Performance and Payment Bond written as described in the Instructions to Bidders included in the Bid Documents for this project.

A MANDATORY PRE-BID CONFERENCE WILL BE HELD

at 10:00 AM on Thursday, November 21, 2013 at

CPRA New Orleans Field Office, 2045 Lakeshore Drive, Room 438, New Orleans, LA 70122

Bids shall be accepted only from those bidders who attend the Mandatory Pre-Bid Conference in its entirety.

A JOBSITE VISIT IS RECOMMENDED

The job site is located within the Delta National Wildlife Refuge (managed by the U.S. Fish & Wildlife Service) and the Pass-A-Loutre Wildlife Management Area (managed by the Louisiana Department of Wildlife and Fisheries). It is the responsibility of all potential bidders to visit the job site to assess the location and conditions prior to bidding. Contractors shall be responsible for providing their own boat and any rental and boat launching fees.

Contact **Peter Hopkins** at **(504) 280-4070** if directions are needed to the Mandatory Pre-Bid Conference or the recommended Jobsite Visit.

Bids shall be accepted from Contractors who are licensed under LA. R.S. 37:2150-2163 for the classification of Major Classification: Heavy Construction. In accordance with LA. R.S. 37:2163(D), anyone objecting to

the classification must send a certified letter to both the Louisiana State Licensing Board for Contractors and the CPRA at the address listed above. The letter must be received no later than ten (10) working days prior to the day on which bids are to be opened.

Bidder is required to comply with provisions and requirements of LA R.S.38:2212 (A)(1)(c). No bid may be withdrawn for a period of thirty (30) days after receipt of bids, except under the provisions of LA. R.S. 38:2214.

The Owner reserves the right to reject any and all bids for just cause. In accordance with La. R.S. 38:2212 (A) (1)(b), the provisions and requirements of this Section, those stated in the advertisement bids, and those required on the bid form shall not be considered as informalities and shall not be waived by any public entity.

When this project is financed either partially or entirely with State Bonds or federal funds, the award of this Contract is contingent upon the granting of lines of credit, the sale of bonds by the Bond Commission or the commitment of federal funds. The State shall incur no obligation to the Contractor until the Contract Between Owner and Contractor is fully executed.

Coastal Protection and Restoration Authority is a participant in the Small Entrepreneurship (SE) Program (the Hudson Initiative) and the Veteran-Owned and Service-Connected Disabled Veteran-Owned (LaVet) Small Entrepreneurship Program. Bidders are encouraged to consider participation. Information is available from Coastal Protection and Restoration Authority or on its website at <http://www.coastal.la.gov/>.

STATE OF LOUISIANA
DIVISION OF ADMINISTRATION
FACILITY PLANNING AND CONTROL
MARK A. MOSES - DIRECTOR

INSTRUCTIONS TO BIDDERS

COMPLETION TIME:

The Bidder shall agree to fully complete the contract within **One-Hundred-Fourteen (114)** consecutive calendar days for the Base Bid and **Twenty-Two (22)** consecutive calendar days for Additive Alternate No. 1. Extensions may be granted under Section GP-44 of the General Provisions and acknowledges that this construction time will start on or before the date specified in the written "Notice to Proceed" from the Owner.

LIQUIDATED DAMAGES:

The Bidder shall agree to pay as Liquidated Damages the amount of **Two-Thousand-Six-Hundred-Seventy Dollars (\$2,670.00)** for each consecutive calendar day for which the work is not complete, beginning with the first day beyond the contract completion date stated on the "Notice to Proceed" or as amended by change order.

ARTICLE 1

DEFINITIONS

1.1 The Bid Documents include the following:

Advertisement for Bids
Instructions to Bidders
Bid Form
Bid Bond
General Provisions
Special Provisions
Technical Specifications
Construction Drawings
Contract Between Owner and Contractor
and Performance and Payment Bond
Affidavit
User Agency Documents (if applicable)
Change Order Form
Recommendation of Acceptance
Other Documents (if applicable)
Addenda issued during the bid period and
acknowledged in the Bid Form

1.2 All definitions set forth in the General Provisions and the Special Provisions are applicable to the Bid Documents, unless otherwise specifically stated or written.

1.3 Addenda are written and/or graphic instruments issued by the Engineer prior to the opening of bids which modify or interpret the Bid Documents by additions, deletions, clarifications, corrections and prior approvals.

1.4 A bid is a complete and properly signed proposal to do the work or designated portion thereof for the sums stipulated therein supported by data called for by the Bid Documents.

1.5 Base bid is the sum stated in the bid for which the Bidder offers to perform the work described as the base, to which work may be added, or deleted for sums stated in alternate bids.

1.6 An alternate bid (or alternate) is an amount stated in the bid to be added to the amount of the base bid if the corresponding change in project scope or materials or methods of construction described in the Bid Documents is accepted.

1.7 A Bidder is one who submits a bid for a prime Contract with the Owner for the work described in the Bid Documents.

1.8 A Sub-bidder is one who submits a bid to a Bidder for materials and/or labor for a portion of the work.

1.9 Where the word "Engineer" is used in any of the documents, it shall refer to the Prime Designer of the project, regardless of discipline.

ARTICLE 2

PRE-BID CONFERENCE

2.1 A **MANDATORY** Pre-Bid Conference shall be held at the time and location described in the Advertisement for Bids. The purpose of the Pre-

Bid Conference is to familiarize Bidders with the requirements of the Project and the intent of the Bid Documents, and to receive comments and information from interested Bidders. If the Pre-Bid Conference is stated in the Advertisement for Bids to be a Mandatory Pre-Bid Conference, bids shall be accepted only from those bidders who attend the Pre-Bid Conference. Contractors who are not in attendance for the entire Pre-Bid Conference will be considered to have not attended.

2.2 Any revision of the Bid Documents made as a result of the Pre-Bid Conference shall not be valid unless included in an addendum.

ARTICLE 3

BIDDER'S REPRESENTATION

3.1 Each Bidder by making his bid represents that:

3.1.1 He has read and understands the Bid Documents and his bid is made in accordance therewith.

3.1.2 He has visited the site and has familiarized himself with the local conditions under which the work is to be performed.

3.1.3 His bid is based solely upon the materials, systems and equipment described in the Bid Documents as advertised and as modified by addenda.

3.1.4 His bid is not based on any verbal instructions contrary to the Bid Documents and addenda.

3.1.5 He is familiar with the Code of Governmental Ethics requirement that prohibits public servants and/or their immediate family members from bidding on or entering into contracts; he is aware that the Designer and its principal owners are considered Public Servants under the Code of Governmental Ethics for the limited purposes and scope of the Design Contract with the State on this Project (see Ethics Board Advisory Opinion, No. 2009-378 and 2010-128);

and neither he nor any principal of the Bidder with a controlling interest therein has an immediate family relationship with the Designer or any principal within the Designer's firm. (see La. R.S. 42:1113). Any Bidder submitting a bid in violation of this clause shall be disqualified and any contract entered into in violation of this clause shall be null and void.

3.2 The Bidder must be fully qualified under any State or local licensing law for Contractors in effect at the time and at the location of the work before submitting his bid. In the State of Louisiana, Revised Statutes 37:2150, et seq. will be considered, if applicable.

The Contractor shall be responsible for determining that all of his Sub-bidders or prospective Subcontractors are duly licensed in accordance with law.

ARTICLE 4

BID DOCUMENTS

4.1 Copies

4.1.1 Bid Documents may be obtained from the Coastal Protection and Restoration Authority as stated in the Advertisement for Bids.

4.1.1.2 In addition to the availability of printed Bid Documents, the Coastal Protection and Restoration Authority will provide the Bid Documents in electronic format. They may be obtained without charge and without deposit as stated in the Advertisement for Bids.

4.1.1.2.2 Where electronic distribution is provided, all other plan holders are responsible for their own reproduction costs.

4.1.2 Complete sets of Bid Documents shall be used in preparing bids; neither the Owner nor the Engineer assume any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bid Documents.

4.1.3 The Owner or Engineer in making copies

of the Bid Documents available on the above terms, do so only for the purpose of obtaining bids on the work and do not confer a license or grant for any other use.

4.2 Interpretation or Correction of Bid Documents

4.2.1 Bidders shall promptly notify the Coastal Protection and Restoration Authority contact person listed in the Advertisement for Bids of any ambiguity, inconsistency or error which they may discover upon examination of the Bid Documents or of the site and local conditions.

4.2.2 Bidders requiring clarification or interpretation of the Bid Documents shall make a written request to the Coastal Protection and Restoration Authority contact person listed in the Advertisement for Bids, to reach him at least seven days prior to the date for receipt of bids.

4.2.3 Any interpretation, correction or change of the Bid Documents will be made by addendum. Interpretations, corrections or changes of the Bid Documents made in any other manner will not be binding and Bidders shall not rely upon such interpretations, corrections and changes.

4.3 Substitutions

4.3.1 The materials, products and equipment described in the Bid Documents establish a standard of required function, dimension, appearance and quality to be met by any proposed substitution. No substitutions shall be allowed after bids are received.

4.3.2 No substitution will be considered unless written request for approval has been submitted by the Proposer and has been received by the Engineer at least seven (7) working days prior to the opening of bids. (RS38:2295C) Each such request shall include the name of the material or equipment for which it is to be substituted and a complete description of the proposed substitute including model numbers, drawings, cuts, performance and test data and any other information necessary for an evaluation. A statement setting forth any changes in other

materials, equipment or work that incorporation of the substitute would require shall be included. It shall be the responsibility of the proposer to include in his proposal all changes required of the Bid Documents if the proposed product is used. Prior approval is given contingent upon supplier being responsible for any costs which may be necessary to modify the space or facilities needed to accommodate the materials and equipment approved.

4.3.3 If the Engineer approves any proposed substitution, such approval will be set forth in an addendum. Bidders shall not rely upon approvals made in any other manner.

4.4 Addenda

4.4.1 Addenda will be mailed or delivered to all who are known by the Coastal Protection and Restoration Authority to have received a complete set of Bid Documents.

4.4.2 Copies of addenda will be made available for inspection wherever Bid Documents are on file for that purpose.

4.4.3 Except as described herein, addenda shall not be issued within a period of seventy-two (72) hours prior to the advertised time for the opening of bids, excluding Saturdays, Sundays, and any other legal holidays. If the necessity arises of issuing an addendum modifying plans and specifications within the seventy-two (72) hour period prior to the advertised time for the opening of bids, then the opening of bids shall be extended at least seven but no more than twenty-one (21) working days, without the requirement of re-advertising. Facility Planning shall be consulted prior to issuance of such an addendum and shall approve such issuance. The revised time and date for the opening of bids shall be stated in the addendum.

4.4.4 Each Bidder shall ascertain from the Coastal Protection and Restoration Authority prior to submitting his bid that he has received all addenda issued, and he shall acknowledge their receipt on the Bid Form.

4.4.5 The Owner shall have the right to extend the bid date by up to (30) thirty days without the requirement of re-advertising. Any such extension shall be made by addendum issued by the Coastal Protection and Restoration Authority.

ARTICLE 5

BID PROCEDURE

5.1 Form and Style of Bids

5.1.1 Bids shall be submitted on the Louisiana Uniform Public Work Bid Form provided by the Engineer.

5.1.2 All blanks on the Bid Form shall be filled in manually in ink or typewritten.

5.1.3 Bid sums shall be expressed in both words and figures, and in case of discrepancy between the two, the written words shall govern.

5.1.4 Any interlineation, alteration or erasure must be initialed by the signer of the bid or his authorized representative.

5.1.5 Bidders are cautioned to complete all alternates should such be required in the Bid Form. Failure to submit alternate prices will render the bid non responsive and shall cause its rejection.

5.1.6 Bidders are cautioned to complete all unit prices should such be required in the Bid Form. Unit prices represent a price proposal to do a specified quantity and quality of work.

5.1.7 Bidders are strongly cautioned to ensure that all blanks on the bid form are completely and accurately filled in.

5.1.8 Bidder shall make no additional stipulations on the Bid Form nor qualify his bid in any other manner.

5.1.9 The bid shall include the legal name of Bidder and shall be signed by the person or

persons legally authorized to bind the Bidder to a Contract.

The authority of the signature of the person submitting the bid shall be deemed sufficient and acceptable under any of the following conditions:

(a) Signature on bid is that of any corporate officer or member of a partnership or partnership in commendam listed on most current annual report on file with Secretary of State.

(b) Signature on bid is that of authorized representative of corporation, partnership, or other legal entity and bid is accompanied by corporate resolution, certification as to the corporate principal, or other documents indicating authority.

(c) Corporation, partnership, or other legal entity has filed in the records of the Secretary of State, an affidavit, resolution or other acknowledged or authentic document indicating the names of all parties authorized to submit bids for public contracts. A bid submitted by an agency shall have a current Power of Attorney attached certifying agent's authority to bind Bidder. The name and license number on the envelope shall be the same as the entity identified on the Bid Form.

5.1.10 On any bid in excess of fifty thousand dollars (\$50,000.00), the Contractor shall certify that he is licensed under R.S. 37: 2150-2173 and show his license number on the bid above his signature or his duly authorized representative.

5.2 Bid Security

5.2.1 No bid shall be considered or accepted unless the bid is accompanied by bid security in an amount of five percent (5.0%) of the base bid and all alternates.

The bid security shall be in the form of a certified check or cashier's check drawn on a bank insured by the Federal Deposit Insurance Corporation, or a Bid Bond written by a surety company licensed to do business in Louisiana and signed by the surety's agent or attorney-in-fact. The Bid Bond shall be written on the Facility Planning and Control Bid Bond Form, and the surety for the bond must meet the qualifications stated thereon. The Bid Bond shall include the legal name of the bidder be in favor of the State of Louisiana, Office of Facility Planning and Control,

and shall be accompanied by appropriate power of attorney. The Bid Bond must be signed by both the bidder/principal and the surety in the space provided on the Facility Planning and Control Bid Bond Form. Failure by the bidder/principal or the surety to sign the bid bond shall result in the rejection of the bid.

Bid security furnished by the Contractor shall guarantee that the Contractor will, if awarded the work according to the terms of his proposal, enter into the Contract and furnish Performance and Payment Bonds as required by these Bid Documents, within ten (10) days after written notice that the instrument is ready for his signature.

Should the Bidder refuse to enter into such Contract or fail to furnish such bonds, the amount of the bid security shall be forfeited to the Owner as liquidated damages, not as penalty.

5.2.2 The Owner will have the right to retain the bid security of Bidders until either (a) the Contract has been executed and bonds have been furnished, or (b) the specified time has elapsed so that bids may be withdrawn, or (c) all bids have been rejected.

5.3 Submission of Bids

5.3.1 The Bid shall be sealed in an opaque envelope. The bid envelope shall be identified on the outside with the name of the project, and the name, address, and license number of the Bidder. The envelope shall contain **only one bid form** and will be received until the time specified and at the place specified in the Advertisement for Bids. It shall be the specific responsibility of the Bidder to deliver his sealed bid to Facility Planning and Control Department at the appointed place and prior to the announced time for the opening of bids. Late delivery of a bid for any reason, including late delivery by United States Mail, or express delivery, shall disqualify the bid.

If the bid is sent by mail, the sealed envelope shall be enclosed in a separate mailing envelope with the notation "Bid Enclosed" on the face thereof. Such bids shall be sent by Registered or Certified Mail, Return Receipt Requested,

addressed to:

Facility Planning and Control,
P. O. Box 94095
Baton Rouge, Louisiana, 70804-9095.

Bids sent by express delivery shall be delivered to:

Facility Planning and Control
Suite 7-160
Claiborne Office Building
1201 North Third Street
Baton Rouge, Louisiana 70802

5.3.2 Bids shall be deposited at the designated location prior to the time on the date for receipt of bids indicated in the Advertisement for Bids, or any extension thereof made by addendum. Bids received after the time and date for receipt of bids will be returned unopened.

5.3.3 Bidder shall assume full responsibility for timely delivery at location designated for receipt of bids.

5.3.4 Oral, telephonic or telegraphic bids are invalid and shall not receive consideration. Owner shall not consider notations written on outside of bid envelope which have the effect of amending the bid. Written modifications enclosed in the bid envelope, and signed or initialed by the Contractor or his representative, shall be accepted.

5.4 Modification or Withdrawal of Bid

5.4.1 A bid may not be modified, withdrawn or canceled by the Bidder during the time stipulated in the Advertisement for Bids, for the period following the time and bid date designated for the receipt of bids, and Bidder so agrees in submitting his bid, except in accordance with R.S. 38:2214 which states, in part, "Bids containing patently obvious mechanical, clerical or mathematical errors may be withdrawn by the Contractor if clear and convincing sworn, written evidence of such errors is furnished to the public entity within forty eight hours of the Bid Opening excluding Saturdays, Sundays and legal holidays".

5.4.2 Prior to the time and date designated for receipt of bids, bids submitted early may be

modified or withdrawn only by notice to the party receiving bids at the place and prior to the time designated for receipt of bids.

5.4.3 Withdrawn bids may be resubmitted up to the time designated for the receipt of bids provided that they are then fully in conformance with these Instructions to Bidders.

5.4.4 Bid Security shall be in an amount sufficient for the bid as modified or resubmitted.

ARTICLE 6

CONSIDERATION OF BIDS

6.1 Opening of Bids

6.1.1 The properly identified Bids received on time will be opened publicly and will be read aloud, and a tabulation abstract of the amounts of the base bids and alternates, if any, will be made available to Bidders.

6.2 Rejection of Bids

6.2.1 The Owner shall have the right to reject any or all bids and in particular to reject a bid not accompanied by any required bid security or data required by the Bid Documents or a bid in any way incomplete or irregular.

6.3 Acceptance of Bid

6.3.2 It is the intent of the Owner, if he accepts any alternates, to accept them in the order in which they are listed in the Bid Form. Determination of the Low Bidder shall be on the basis of the sum of the base bid and the alternates accepted. However, the Owner shall reserve the right to accept alternates in any order which does not affect determination of the Low Bidder.

ARTICLE 7

POST-BID INFORMATION

7.1 Submissions

7.1.1 The Contractor shall submit all required deliverables in conformance with Section SP-4 of the Special Provisions.

It is the preference of the Owner that, to the greatest extent possible or practical, the Contractor utilize Louisiana Subcontractors, manufacturers, suppliers and labor.

7.1.2 The Contractor will be required to establish to the satisfaction of the Engineer the reliability and responsibility of the proposed Subcontractors to furnish and perform the work described in the sections of the Specifications pertaining to such proposed Subcontractor's respective trades. The General Contractor shall be responsible for actions or inactions of Subcontractors and/or material suppliers.

The General Contractor is totally responsible for any lost time or extra expense incurred due to a Subcontractor's/or Material Supplier's failure to perform. Failure to perform includes, but is not limited to, a Subcontractor's financial failure, abandonment of the project, failure to make prompt delivery, or failure to do work up to standard. Under no circumstances shall the Owner mitigate the General Contractor's losses or reimburse the General Contractor for losses caused by these events.

7.1.3 Subcontractors and other persons and organizations selected by the Bidder must be used on the work for which they were proposed and shall not be changed except with the written approval of the Owner and the Engineer.

In accordance with La. R.S. 38:2227, LA. R.S. 38:2212.10 and LA. R.S. 23:1726(B) each bidder on this project must submit the completed Attestations Affidavit (Past Criminal Convictions of Bidders, Verification of Employees and Certification Regarding Unpaid Workers Compensation Insurance) form found within this bid package. The Attestations Affidavit form shall be submitted to Facility Planning and Control within 10 days after the opening of bids.

ARTICLE 8

PERFORMANCE AND PAYMENT BOND

8.1 Bond Required

8.1.1 The Contractor shall furnish and pay for a Performance and Payment Bond written by a company licensed to do business in Louisiana, which shall be signed by the surety's agent or attorney-in-fact, in an amount equal to 100% of the Contract amount. Surety must be listed currently on the U. S. Department of Treasury Financial Management Service List (Treasury List) as approved for an amount equal to or greater than the contract amount, or must be an insurance company domiciled in Louisiana or owned by Louisiana residents. If surety is qualified other than by listing on the Treasury list, the contract amount may not exceed fifteen percent of policyholders' surplus as shown by surety's most recent financial statements filed with the Louisiana Department of Insurance and may not exceed the amount of \$500,000. However, a Louisiana domiciled insurance company with at least an A-rating in the latest printing of the A. M. Best's Key Rating Guide shall not be subject to the \$500,000 limitation, provided that the contract amount does not exceed ten percent of policyholders' surplus as shown in the latest A. M. Best's Key Rating Guide nor fifteen percent of policyholders' surplus as shown by surety's most recent financial statements filed with the Louisiana Department of Insurance. The Bond shall be signed by the surety's agent or attorney-in-fact. The Bond shall be in favor of the Coastal Protection and Restoration Authority.

8.2 Time of Delivery and Form of Bond

8.2.1 The Bidder shall deliver the required bond to the Owner simultaneous with the execution of the Contract.

8.2.2 Bond shall be in the form furnished by the Coastal Protection and Restoration Authority, entitled CONTRACT BETWEEN OWNER AND

CONTRACTOR AND PERFORMANCE AND PAYMENT BOND, a copy of which is included in the Bid Documents.

8.2.3 The Bidder shall require the Attorney-in-Fact who executes the required bond on behalf of the surety to affix thereto a certified and current copy of his power of Attorney.

ARTICLE 9

FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR

9.1 Form to be Used

9.1.1 Form of the Contract to be used shall be furnished by the Coastal Protection and Restoration Authority, an example of which is bound in the Bid Documents.

9.2 Award

9.2.1 Before award of the Contract, the successful Bidder shall furnish to the Owner a copy of a Disclosure of Ownership Affidavit stamped by the Secretary of State, a certified copy of the minutes of the corporation or partnership meeting which authorized the party executing the bid to sign on behalf of the Contractor.

9.2.2 In accordance with Louisiana Law, when the Contract is awarded, the successful Bidder shall, at the time of the signing of the Contract, execute the Non-Collusion Affidavit included in the Contract Documents

9.2.3 When this project is financed either partially or entirely with State Bonds, the award of this Contract is contingent upon the sale of bonds by the State Bond Commission. The State shall incur no obligation to the Contractor until the Contract between Owner and Contractor is duly executed.

LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO: Facility Planning and Control
P.O. Box 94095
Claiborne Building
Baton Rouge, LA 70804
(Owner to provide name and address of owner)

BID FOR: Delta-Wide
Crevasses Maintenance
Project
(MR-09)
(Owner to provide name of project and other identifying information)

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: CPRA
and dated: October, 2013

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA:** (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) _____.

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" * but not alternates) the sum of:

_____ Dollars (\$ _____)

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1: (Add: Additional cost for Dredging Crevasse MP-3) for the lump sum of:

_____ Dollars (\$ _____)

Alternate No. 2 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

NOT APPLICABLE _____ Dollars (\$NOT APPLICABLE _____)

Alternate No. 3 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

NOT APPLICABLE _____ Dollars (\$NOT APPLICABLE _____)

NAME OF BIDDER: _____

ADDRESS OF BIDDER: _____

LOUISIANA CONTRACTOR'S LICENSE NUMBER: _____

NAME OF AUTHORIZED SIGNATORY OF BIDDER: _____

TITLE OF AUTHORIZED SIGNATORY OF BIDDER: _____

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER **: _____

DATE: _____

* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

** If someone other than a corporate officer signs for the Bidder/Contractor, a copy of a corporate resolution or other signature authorization shall be required for submission of bid. Failure to include a copy of the appropriate signature authorization, if required, may result in the rejection of the bid unless bidder has complied with La. R.S. 38:2212(A)(1)(c) or RS 38:2212(O) .

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by LA RS 38:2218.A is attached to and made a part of this bid.

LOUISIANA UNIFORM PUBLIC WORK BID FORM

UNIT PRICE FORM

TO: Facility Planning and Control
P.O. Box 94095
Claiborne Building
Baton Rouge, LA 70804
(Owner to provide name and address of owner)

BID FOR: Delta-Wide
Crevasse Maintenance
Project
(MR-09)
(Owner to provide name of project and other identifying information)

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	☒ Base Bid or ☐ Alt.# ____ Mobilization and Demobilization			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
1	1	Lump Sum		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# ____ Surveying			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
2	1	Lump Sum		

DESCRIPTION:	☒ Base Bid or ☐ Alt.# ____ Dredging Crevasse MP-1, OP-4, OP-5, Johnson Pass, Sawdust Bend and South Pass			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
3	212,695	Cubic Yards		

DESCRIPTION:	☐ Base Bid or ☒ Alt.# <u>1</u> Dredging Crevasse MP-3			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
4	56,974	Cubic Yards		

DESCRIPTION:	☐ Base Bid or ☐ Alt.# ____ Not Applicable			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

DESCRIPTION:	☐ Base Bid or ☐ Alt.# ____ Not Applicable			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

DESCRIPTION:	☐ Base Bid or ☐ Alt.# ____ Not Applicable			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

DESCRIPTION:	☐ Base Bid or ☐ Alt.# ____ Not Applicable			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Wording for “DESCRIPTION” is to be provided by the Owner.

All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner

**BID BOND
FOR
COASTAL PROTECTION AND RESTORATION AUTHORITY PROJECTS**

Date: _____

KNOW ALL MEN BY THESE PRESENTS:

That _____ of _____, as Principal, and _____, as Surety, are held and firmly bound unto the State of Louisiana, Coastal Protection and Restoration Authority (Obligee), in the full and just sum of five (5%) percent of the total amount of this proposal, including all alternates, lawful money of the United States, for payment of which sum, well and truly be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally firmly by these presents.

Surety represents that it is listed on the current U. S. Department of the Treasury Financial Management Service list of approved bonding companies as approved for an amount equal to or greater than the amount for which it obligates itself in this instrument or that it is a Louisiana domiciled insurance company with at least an A - rating in the latest printing of the A. M. Best's Key Rating Guide. If surety qualifies by virtue of its Best's listing, the Bond amount may not exceed ten percent of policyholders' surplus as shown in the latest A. M. Best's Key Rating Guide.

Surety further represents that it is licensed to do business in the State of Louisiana and that this Bond is signed by surety's agent or attorney-in-fact. This Bid Bond is accompanied by appropriate power of attorney.

THE CONDITION OF THIS OBLIGATION IS SUCH that, whereas said Principal is herewith submitting its proposal to the Obligee on a Contract for:

NOW, THEREFORE, if the said Contract be awarded to the Principal and the Principal shall, within such time as may be specified, enter into the Contract in writing and give a good and sufficient bond to secure the performance of the terms and conditions of the Contract with surety acceptable to the Obligee, then this obligation shall be void; otherwise this obligation shall become due and payable.

PRINCIPAL (BIDDER)

SURETY

BY: _____
AUTHORIZED OFFICER-OWNER-PARTNER

BY: _____
AGENT OR ATTORNEY-IN-FACT(SEAL)

STATE OF Louisiana

PARISH OF Plaquemines

ATTESTATIONS AFFIDAVIT

Before me, the undersigned notary public, duly commissioned and qualified in and for the parish and state aforesaid, personally came and appeared Affiant, who after being duly sworn, attested as follows:

LA. R.S. 38:2227 PAST CRIMINAL CONVICTIONS OF BIDDERS

A. No sole proprietor or individual partner, incorporator, director, manager, officer, organizer, or member who has a minimum of a ten percent (10%) ownership in the bidding entity named below has been convicted of, or has entered a plea of guilty or nolo contendere to any of the following state crimes or equivalent federal crimes:

(a) Public bribery (R.S. 14:118)

(c) Extortion (R.S. 14:66)

(b) Corrupt influencing (R.S. 14:120)

(d) Money laundering (R.S. 14:23)

B. Within the past five years from the project bid date, no sole proprietor or individual partner, incorporator, director, manager, officer, organizer, or member who has a minimum of a ten percent (10%) ownership in the bidding entity named below has been convicted of, or has entered a plea of guilty or nolo contendere to any of the following state crimes or equivalent federal crimes, during the solicitation or execution of a contract or bid awarded pursuant to the provisions of Chapter 10 of Title 38 of the Louisiana Revised Statutes:

(a) Theft (R.S. 14:67)

(f) Bank fraud (R.S. 14:71.1)

(b) Identity Theft (R.S. 14:67.16)

(g) Forgery (R.S. 14:72)

(c) Theft of a business record
(R.S.14:67.20)

(h) Contractors; misapplication of
payments (R.S. 14:202)

(d) False accounting (R.S. 14:70)

(i) Malfeasance in office (R.S. 14:134)

(e) Issuing worthless checks
(R.S. 14:71)

LA. R.S. 38:2212.10 Verification of Employees

A. At the time of bidding, Appearer is registered and participates in a status verification system to verify that all new hires in the state of Louisiana are legal citizens of the United States or are legal aliens.

B. If awarded the contract, Appearer shall continue, during the term of the contract, to utilize a status verification system to verify the legal status of all new employees in the state of Louisiana.

C. If awarded the contract, Appearer shall require all subcontractors to submit to it a sworn affidavit verifying compliance with Paragraphs (A) and (B) of this Subsection.

LA. R.S. 23:1726(B) Certification Regarding Unpaid Workers Compensation Insurance

- A. R.S. 23:1726 prohibits any entity against whom an assessment under Part X of Chapter 11 of Title 23 of the Louisiana Revised Statutes of 1950 (Alternative Collection Procedures & Assessments) is in effect, and whose right to appeal that assessment is exhausted, from submitting a bid or proposal for or obtaining any contract pursuant to Chapter 10 of Title 38 of the Louisiana Revised Statutes of 1950 and Chapters 16 and 17 of Title 39 of the Louisiana Revised Statutes of 1950.
- B. By signing this bid /proposal, Affiant certifies that no such assessment is in effect against the bidding / proposing entity.

NAME OF BIDDER

NAME OF AUTHORIZED SIGNATORY OF BIDDER

DATE

TITLE OF AUTHORIZED SIGNATORY OF BIDDER

**SIGNATURE OF AUTHORIZED
SIGNATORY OF BIDDER/AFFIANT**

Sworn to and subscribed before me by Affiant on the ____ day of _____, 20__.

Notary Public

FOR INFORMATIONAL PURPOSES ONLY

This document will be prepared by the Coastal Protection and Restoration Authority in the form appropriate for the project.

CONTRACT BETWEEN OWNER AND CONTRACTOR AND PERFORMANCE AND PAYMENT BOND

This agreement entered into this _____ day of _____, 2013, by (CONTRACTOR NAME) hereinafter called the "Contractor", whose business address is _____, and the State of Louisiana Coastal Protection and Restoration Authority, herein represented by its Executive Director executing this contract, and hereinafter called the "Owner".

Witnesseth that the Contractor and the Owner, in consideration of premises and the mutual covenants; consideration and agreement herein contained, agree as follows:

Statement of Work: The contractor shall furnish all labor and materials and perform all of the work required to build, construct and complete in a thorough and workmanlike manner:

Project No. _____

State ID No. _____

Site Code _____

in strict accordance with Contract Documents prepared by Owner.

It is recognized by the parties herein that said Contract Documents, including by way of example and not of limitation, the Plans, Specifications (including General Provisions, Special Provisions, and Technical Specifications), Any Addenda thereto, Instructions To Bidders, this Contract, Advertisement For Bids, Affidavit, Bid Form, Bonds (Bid, Performance, and Payment), any Submitted Post-Bid Documentation, Notice of Award, Notice to Proceed, Change Orders, and Claims, if any, impose duties and obligations upon the parties herein, and said parties thereby agree that they shall be bound by said duties and obligations. For these purposes, all of the provisions contained in the aforementioned Contract Documents are incorporated herein by reference with the same force and effect as though said Contract Documents were herein set out in full.

Time for Completion: The work shall be commenced on a date to be specified in a written order of the Owner and shall be completed within _____ consecutive calendar days from and after the said date.

Liquidated Damages: Contractor shall be assessed Liquidated Damages in the amount of \$_____ per day for each consecutive calendar day which work is not complete beginning with the first day beyond the completion time.

Compensation to be paid to the Contractor: The Owner will pay and the Contractor will accept in full consideration for the performance of the contract the sum of _____ **Dollars (\$)** which sum represents the Contract Price.

Performance and Payment Bond: To these presents personally came and intervened _____, herein acting for _____, a corporation organized and existing under the laws of the State of _____, and duly authorized to transact business in the State of Louisiana, as surety, who declared that having taken cognizance of this contract and of the Construction Documents mentioned herein, he hereby in his capacity as its Attorney in Fact obligates his said company, as Surety for the said Contractor, unto the said Owner, up to the sum of _____ **Dollars (\$)**. By issuance of this bond, the surety acknowledges they are in compliance with R.S. 38:2219.

The condition of this performance and payment bond shall be that should the Contractor herein not perform the contract in accordance with the terms and conditions hereof, or should said Contractor not fully indemnify and save harmless the Owner, from all cost and damages which he may suffer by said Contractor's non-performance or should said Contractor not pay all persons who have and fulfill obligations to perform labor and/or furnish materials in the prosecution of the work provided for herein, including by way of example workmen, laborers, mechanics, and furnishers of materials, machinery, equipment and fixtures, then said Surety agrees and is bound to so perform the contract and make said payment(s).

Provided, that any alterations which may be made in the terms of the contract or in the work to be done under it, or the giving by the Owner of any extensions of time for the performance of the contract, or any other forbearance on the part of either the Owner or the Contractor to the other shall not in any way release the Contractor or the Surety from their liability hereunder, notice to the Surety of any such alterations, extensions or other forbearance being hereby waived.

The Contractor agrees to abide by the requirements of the following as applicable: Title VI and VII of the Civil Rights Act of 1964, as amended by the Equal Opportunity Act of 1972, Federal Executive Order 11246, the Federal Rehabilitation Act of 1973, as amended, the Vietnam Era Veteran's Readjustment Assistance Act of 1974, Title IX of the Education Amendments of 1972, the Age Act of 1972, and contractor agrees to abide by the requirements of the Americans with Disabilities Act of 1990.

Contractor agrees not to discriminate in its employment practices, and will render services under this contract without regard to race, color, sex, religion, national origin, genetic information, age or disabilities. Any act of discrimination committed by Contractor or failure to comply with these statutory obligations when applicable shall be grounds for termination of this contract.

In Witness whereof, the parties hereto on the day and year first above written have executed this agreement in eight (8) counterparts, each of which shall, without proof or accountancy for the other counterparts, be deemed an original thereof.

WITNESSES:

**STATE OF LOUISIANA
COASTAL PROTECTION AND
RESTORATION AUTHORITY**

BY: _____

Jerome Zeringue, Executive Director

BY: _____

SURETY: _____

BY: _____

ATTORNEY IN FACT

ADDRESS

() _____

TELEPHONE NUMBER

STATE OF _____
PARISH OF _____

PROJECT NO.: _____
NAME: _____
LOCATION: _____

AFFIDAVIT

Before me, the undersigned authority, duly commissioned and qualified within and for the State and Parish aforesaid, personally came and appeared _____ representing who, being by me first duly sworn deposed and said that he has read this affidavit and does hereby agree under oath to comply with all provisions herein as follows:

PART I.

Section 2224 of Part II of Chapter 10 of Title 38 of the Louisiana Revised Statutes, as amended.

(1) That affiant employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for affiant; and

(2) That no part of the Contract price received by affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the Contract, other than the payment of their normal compensation to persons regularly employed by the affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for affiant.

PART II.

Section 2190 of Part I of Chapter 10 of Title 38 of the Louisiana Revised Statutes, as amended.

That affiant, if an architect or engineer, or representative thereof, does not own a substantial financial interest, either directly or indirectly, in any corporation, firm, partnership, or other organization which supplies materials for the construction of a public work when the architect or engineer has performed architectural or engineering services, either directly or indirectly, in connection with the public work for which the materials are being supplied.

For the purposes of this Section, a "substantial financial interest" shall exclude any interest in stock being traded on the American Stock Exchange or the New York Stock Exchange.

That affiant, if subject to the provisions of this section, does hereby agree to be subject to the penalties involved for the violation of this section.

AFFIANT

SWORN TO AND SUBSCRIBED BEFORE ME THIS _____ DAY OF _____, 2013.

NOTARY

PART I GENERAL PROVISIONS

GP-1 DEFINITION OF TERMS

Whenever used in the Bidding Requirements or Contract Documents and printed with initial capital letters, the terms listed below will have the meanings indicated which are applicable to the singular or plural thereof. In addition to terms specifically defined, terms with initial capital letters in the Contract Documents include references to identified articles and paragraphs and the titles of other documents or forms.

Unless stated otherwise in the Contract Documents, words or phrases which have a well-known technical or construction industry or trade meaning are used in the Contract Documents in accordance with such recognized meaning.

- 1.1 Acceptance: A written approval from the Engineer which certifies that specific items of work in the Contract have been completed and/or obligations have been fulfilled by the Contractor.
- 1.2 Addenda: Those written or graphic documents which are issued prior to opening of Bids in accordance with the Bidding Requirements and clarify or change the bidding requirements or the proposed Contract Documents.
- 1.3 Application of Payment: That form which is used by the Contractor to request partial and final payment and is deemed acceptable to the Owner. It shall be accompanied by any supporting documentation required by the Contract Documents.
- 1.4 A.S.T.M.: American Society for Testing and Materials.
- 1.5 Bid: An offer or proposal submitted on the prescribed form setting forth the prices for the Work.
- 1.6 Bidder: The person, association of persons, firm, or corporation submitting a proposal for the Work.
- 1.7 Bidding Requirements: The Advertisement for Bids, Instructions to Bidders, Form of Bid Security, if any, and Bid Form with any supplements.
- 1.8 Change Order: A written order which is submitted to the Contractor, signed by the Owner, and authorizes an addition, deletion, or revision in the Work, or an adjustment in the contract price or the contract time issued after the effective date of the Contract.
- 1.9 Claim: A written demand or assertion by Owner or Contractor seeking an adjustment of Contract Price or Contract Times, or both or other relief with respect to the terms of the Contract.
- 1.10 Contract: The written agreement between the Owner and the Contractor which defines the work to be completed and shall be understood to also include all Contract Documents.

- 1.11 Contract Documents: The Contract, all addenda which pertains to the Contract Documents, Bid Documents and specified Attachments accompanying the Bid and any post-bid documentation submitted prior to the Notice of Award, Contractor's Bid when attached as an exhibit to the Agreement, the Bonds (Bid and Performance/Payment), General Provisions, Special Provisions, Technical Specifications, Plans, and all Field or Change Orders issued after the execution of the Agreement. Shop Drawings and other submittals by the Contractor are not Contract Documents.
- 1.12 Contract Price: The moneys payable by the Owner to the Contractor for the Work in accordance with the Contract Documents as stated in the Contract.
- 1.13 Contract Time: The number of calendar days specified in the Contract for completion of the Work, together with any extensions authorized through change orders.
- 1.14 Contractor: The person, association of persons, firm, or corporation entering into the duly awarded Contract.
- 1.15 Contracting Agency: The State of Louisiana, Coastal Protection and Restoration Authority (CPRA).
- 1.16 Day: When any period of time is referred to in the Contract Documents using days, it will be computed to exclude the first day and include the last day of such period. If the last day of any such period falls on a Saturday, Sunday, or a legal holiday, that day will be omitted from the computation. A calendar day is measured as twenty-four (24) hour period starting at midnight and ending the following midnight.
- 1.17 Design Report: A written report by the Engineer which provides the design methodology for the Work.
- 1.18 Effective Date of the Contract: The date indicated in the Contract on which it becomes effective.
- 1.19 Engineer: The State of Louisiana, Coastal Protection and Restoration Authority, or its designee.
- 1.20 Equipment: All machinery, implements, and power-tools, in conjunction with the necessary supplies for the operation, upkeep, maintenance, and all other tools and apparatuses necessary for the proper construction and acceptable completion of the Work.
- 1.21 Extension of Contract: Any extension of time for completion of Work beyond the Contract Time which is granted by the Owner, recommended by the Engineer and approved by the Coastal Protection and Restoration Authority in the form of a Change Order.
- 1.22 Federal Sponsor: The federal agency which has been tasked, if applicable, to manage the implementation of the project.
- 1.23 Field Order: A written order issued by the Engineer which requires minor changes in the Work but which does not involve a change in the Contract Price or Contract Time.

- 1.24 Laboratory: The firm, company, or corporation which is used to test materials and is approved for use by the Engineer.
- 1.25 Laws and Regulations; Laws or Regulations: Any and all applicable laws, rules, regulations, ordinances, codes, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction.
- 1.26 Materials: Any substance used in the Work to build structures, but does not include material used in false work or other temporary structures not incorporated in the Work.
- 1.27 Milestone: A principal event specified in the Contract Documents relating to an intermediated completion date or time prior to the Contract Times.
- 1.28 Notice of Award: A written notice to the successful Bidder stating that the Bid has been accepted by the Owner and that the successful Bidder is required to execute the Contract and furnish the Payment and Performance Bond and Non-Collusion Affidavit.
- 1.29 Notice to Proceed: The written notice to the Contractor by the Owner which provides the starting date for the Contract Time.
- 1.30 Owner: The Owner is the State of Louisiana (State) which acts through the Contracting Agency.
- 1.31 Performance and Payment Bond: The approved form of security furnished by the Contractor and Surety for the faithful performance of the Work, and the payment for all labor, materials, and/or obligations incurred by the Contractor in the prosecution thereof.
- 1.32 Plans: That part of the Contract Documents prepared or approved by the Engineer which graphically shows the scope, intent, and character of the Work to be completed by the Contractor.
- 1.33 Project Site: The location where the Work is to be performed as stated in the Contract Documents.
- 1.34 Resident Project Representative: An authorized representative of the Engineer who is responsible to inspect the Work and materials furnished by the Contractor.
- 1.35 Right-of-way: That entire area reserved for constructing, maintaining, and protecting the proposed improvement, structures, and appurtenances of the Work.
- 1.36 Samples: Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and which establish the standards by which such portions of the Work will be judged.
- 1.37 Shop Drawings: All drawings, diagrams, illustrations, schedules, and other data or information which are specifically prepared or assembled by or for the Contractor and submitted by the Contractor to illustrate some portion of the Work to be performed.

- 1.38 Specifications: That part of the Contract Documents consisting of written technical descriptions of materials, equipment, systems, standards, and workmanship as applied to the work to be performed and certain administrative details applicable thereto.
- 1.39 State: The State of Louisiana.
- 1.40 Structures: Bridges, plugs, weirs, bulkheads, berms, dams, levees, and other miscellaneous construction encountered during the Work and not otherwise classified herein.
- 1.41 Subcontractor: Any person, association of persons, firm, or corporation who contracts with the Contractor to perform any part of the project covered by the Contract.
- 1.42 Submittals: Certificates, samples, shop drawings, and all other project data which are submitted to the Engineer in order to verify that the correct products will be installed on the project.
- 1.43 Successful Bidder: The lowest responsible Bidder whom the Owner makes an award.
- 1.44 Special Provisions: That part of the Contract Documents which amends or supplements these General Provisions.
- 1.45 Surety: The corporate body, licensed to do business in Louisiana, bound with and for the Contractor's primary liability, and engages to be responsible for payment of all obligations pertaining to acceptable performance of the Work contracted.
- 1.46 Temporary Structures: Any non-permanent structure required while engaged in the prosecution of the Contract.
- 1.47 Work: All work specified herein or indicated on the Plans.
- 1.48 Work Plan: A written plan by the Contractor that details how the Work will be provided including layout drawings, projected schedule (Initial Progress Schedule), and a list of labor hours, materials, and equipment.

GP-2 BID REQUIREMENTS

The Contract and Bonds which govern the Work shall be performed in accordance with the Plans, Specifications, and the Louisiana Standard Specifications for Roads and Bridges, 2006 edition. The Bidder understands that all quantities for performing the Work have been estimated by the Engineer, and that the Bid shall be the sum of the quantities multiplied by their respective unit rates. The Contract shall be awarded by the Owner through a comparison of all bids. It is the responsibility of each Bidder before submitting a Bid to:

- 2.1. Examine the Bidding Documents including the Plans and Specifications and any Addenda or related data identified in the Bidding Documents;
- 2.2. Visit the Project Site to become familiar with the local conditions if they are believed to affect cost, progress, or the completion of the Work;

- 2.3. Become familiar and satisfied with all federal, state, and local Laws and Regulations that may affect cost, progress, or the completion of the Work;
- 2.4. Study and correlate all information known to the Bidder including observations obtained from Bidder's visits, if any, to the Project Site, with the Bidding Documents;
- 2.5. Submit a written notice to the Engineer within three (3) days regarding any conflicts, errors, ambiguities, or discrepancies discovered in the Bidding Documents and confirm that the written resolution thereof by the Engineer is acceptable to the Bidder; and
- 2.6. Determine that the Bidding Documents are generally sufficient to convey an understanding of all terms and conditions for completing the required Work.

The submission of a Bid will constitute an incontrovertible representation that the Bidder has complied with every requirement of these Specifications. The Bidder shall comply with all other requirements specified in the Advertisement For Bids and the Instruction To Bidders.

GP-3 AVAILABILITY OF PLANS AND SPECIFICATIONS

One (1) set of Plans and Specifications shall be furnished to each Bidder. Three (3) sets of the Plans and Specifications shall be furnished to the Contractor upon award of the Contract. Additional sets may be furnished to the Contractor upon request from the Engineering Division of the Coastal Protection and Restoration Authority, 450 Laurel Street, 11th Floor, Baton Rouge, Louisiana 70801.

GP-4 LAWS, REGULATIONS, STANDARDS, SPECIFICATIONS, AND CODES

Bidders are required to become familiar and remain in compliance with all Federal, State, and local laws, ordinances, and regulations and all orders and decrees of bodies or tribunals having any jurisdiction or authority which may affect those employed for the execution of the Work or which may affect the conduct of the Work. The Contractor shall indemnify the Owner and its representatives against any claim or liability arising from all violations of any laws, bylaws, ordinances, codes, regulations, orders, or decrees, whether by the Contractor or by the Contractor's employees. The filing of a bid will be presumptive evidence that the Bidder has complied with this requirement. The Owner will not be responsible for any inaccurate interpretations or conclusions drawn by the Contractor from information and documentation provided by the Owner.

References to standards, specifications, manuals, or codes of any technical society, organization, or association, or to Laws and Regulations, whether such reference be specific or by implication, may not be in effect at the time of opening the Bids (or on the Effective Date of the Contract if there were no Bids), except as may be otherwise specifically stated in the Contract Documents. No provision of any such standard, specification, manual, or code, or any instruction of a supplier shall be effective to change the duties or responsibilities of the Owner or Engineer, or any of their Subcontractors, consultants, agents, or employees from those set forth in the Bid Documents. No such provision shall be effective to assign to the Owner or Engineer, or any of their consultants, agents, or employees any duty or authority to supervise or direct the performance of the Contractor's obligations or any duty or authority to undertake responsibility inconsistent with the provisions of the Contract Documents.

The obligations imposed by these specifications are in addition to and are not to be construed in any way as a limitation of any rights available to the Engineer or Owner which are otherwise imposed by any laws or regulations or other provisions within the Contract Documents.

The Contractor shall abide by laws set forth in the Davis-Bacon Act of 1931 which states that all laborers and mechanics employed by recipients, the recipient's contractors, or subcontractors on this project shall be paid wages at rates no less than those prevailing on projects of a character similar in the locality as determined by the Secretary of Labor in accordance with Subchapter IV of Chapter 31 of Title 40 United States Code. Additionally, with respect to the labor standards specified in this section, the Secretary of Labor shall have the authority and functions set forth in Reorganization Plan Number 14 of 1950 (64 Stat. 1267; 5 U.S.C. App.) and The Copeland Act of Title 40 (40 U.S.C. § 3145). Prevailing Wage Determination Schedules, as determined by the United States Department of Labor, are provided in the Appendix. Prevailing Wage Determination Schedules are subject to modification by the United States Department of Labor. The Contractor is responsible for utilizing the most current Prevailing Wage Determination Schedule. These documents can be downloaded from the following link: <http://www.wdol.gov/dba.aspx#3>. Modifications to Prevailing Wage Determination Schedules shall be effective if received (or posted) no less than 10 days prior to bid opening.

GP-5 PRE-BID CONFERENCE AND SITE VISIT

A Pre-Bid Conference will be held at the location and on the date provided in the Advertisement For Bids. If the Pre-Bid Conference is stated in the Advertisement for Bids to be a MANDATORY Pre-Bid Conference, bids shall be accepted only from those bidders who attend the Pre-Bid Conference in its entirety. Failure to attend a mandatory Pre-Bid Conference in its entirety will result in a null or void Bid.

A site visit may also be held at the Project Site as specified in the Advertisement For Bids or at the Pre-Bid conference. If held, bidders will be required to furnish their own transportation to the Project Site. Representatives of the Owner and Engineer will attend the Pre-Bid conference and site visit, if held, to discuss the Work.

All questions shall be in writing and faxed or emailed to the Coastal Protection and Restoration contact person listed in the Advertisement For Bids after the Pre-Bid Conference and by the due date announced at the Pre-Bid conference. In order to ensure adequate response time, all questions and/or requests for clarification or interpretation of the Bid Documents should be received by the Coastal Protection and Restoration Authority at least seven days prior to the date for receipt of bids. Oral statements will not be binding or legally effective. The Coastal Protection and Restoration Authority will issue addenda in response to all questions arising at the Pre-Bid Conference and site visit to all prospective Bidders on record. All prospective Bidders on record may contact the Coastal Protection and Restoration Authority contact person for any additional information.

GP-6 NOTICE OF AWARD

The Owner, or its designated bidding agent (Division of Administration, Office of Facility Planning and Control), shall provide written notice to the Successful Bidder stating that the

Owner will sign and deliver the Contract upon compliance with the conditions enumerated therein and within the time specified.

GP-7 NOTICE TO PROCEED AND CONTRACT TIME

The Contractor shall start the Work and begin the Contract Time on the dates provided in the Notice to Proceed. The Work shall be conducted using sufficient labor, materials, and equipment as necessary to ensure completion within the Contract Time. The Contract Time for completion of the Base Bid for the Work is provided in the Instructions To Bidders, unless an extension is granted to the Contract Time as specified in GP-44. If the Bid contains an Alternate Bid(s), and the Alternate Bid(s) is awarded and included in the Contract, the Contract Time associated with the Alternate Bid(s) will be as provided in the Special Provisions.

GP-8 WORK PLAN

The Contractor shall develop a written Work Plan which accounts for all of the construction activities required by the Contract Documents. The Work Plan shall include a list of the individual construction tasks to be completed and the estimated dates for beginning and completing the tasks. It shall also include all other items which are applicable to completing the Work such as, but not limited to, the following:

- 8.1 Typical report form for the Bi-Weekly Progress Meeting;
- 8.2 Typical form for Daily Progress Report;
- 8.3 Hurricane and Severe Storm Plan;
- 8.4 Site-specific Health and Safety Plan;
- 8.5 The delivery method and source(s) of all construction materials (company or producer name, mailing and physical address, phone number, and name of contact person).
- 8.6 The personnel, material, subcontractors, fabricators, suppliers, types of equipment, and equipment staging areas the Contractor proposes to use for construction;
- 8.7 Shop drawings, test results, and sample submittals;
- 8.8 Survey layout and stakeout;
- 8.9 All supplemental items specified in the Special Provisions.

The Work Plan shall be submitted to the Engineer prior to the Pre-Construction Conference by the date provided in the Special Provisions. The Engineer shall review the Work Plan and have the Contractor make any necessary revisions prior to acceptance of the plan. **No payment for mobilization will be made until the Work Plan has been accepted by the Engineer.**

GP-9 PROGRESS SCHEDULE

The Contractor shall develop a written Progress Schedule which provides for an orderly progression of the Work, submittals, tests, and deliveries in order to complete the Work within the specified Milestones and Contract Time. All of the items listed in the Work Plan shall be integrated into the Progress Schedule. The format of the schedule shall be composed using Microsoft Project®, or any other software deemed acceptable by the Engineer. It shall be updated weekly by the Contractor, at a minimum. The Progress Schedule shall also include, but not be limited to the following:

- 9.1 All of the elements in the Work Plan, including updates;
- 9.2 A work order issued from Louisiana One Call ordering all their subscribers in the project area to mark their utilities;
- 9.3 A telephone log verifying that all property owners and utilities have been contacted. This log should list the time, date, and names of the personnel representing the property owners, utilities, and Contractor;

The following table defines the monthly anticipated adverse weather days that are expected to occur during the Contract Time and will constitute the baseline monthly weather time for evaluations. The schedule is based upon National Oceanic and Atmospheric Administration (NOAA) or similar data for the regional geographic area.

Monthly Anticipated Adverse Weather Calendar Days											
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
5	5	4	4	4	5	7	7	5	3	3	4

The Progress schedule must reflect these anticipated adverse weather delays on all weather dependent activities. Adverse weather days must prevent Work for fifty percent (50%) or more of the work day and delay work critical to the timely completion of the project. The number of actual adverse weather days shall be calculated chronologically from the first to the last day of each month.

The Progress Schedule shall be submitted to the Engineer prior to the Pre-Construction Conference by the date provided in the Special Provisions. The Engineer shall perform a review and have the Contractor make any necessary revisions prior to acceptance of the schedule. Acceptance will not impose responsibility on the Owner or Engineer for the sequencing, scheduling, or progression of the Work. The Contractor is fully responsible for progression of the Work in order to maintain the compliance with the Progress Schedule.

GP-10 DAILY PROGRESS REPORTS

The Contractor shall record the following daily information on Daily Progress Reports:

- 10.1 Date and signature of the author of the report;
- 10.2 Dollar amount of all bid items that are fabricated, installed, backfilled, pumped, constructed, damaged, replaced, etc. The amount of material shall be expressed in the units stated in the bid;

- 10.3 Field notes of all surveys;
- 10.4 Notes on all inspections;
- 10.5 Details of Health and Safety meetings;
- 10.6 A brief description of any Change Orders, Field Orders, Claims, Clarifications, or Amendments;
- 10.7 Condition of all navigation aids (I.E., warning signs, lighted marker buoys) and any repairs performed on them;
- 10.8 Weather conditions (adverse weather day, wind speed and direction, temperature, wave height, precipitation, etc.);
- 10.9 The amount of time lost to severe weather or personnel injury, etc.;
- 10.10 Notes regarding compliance with the Progress Schedule;
- 10.11 Visitor log (Instructions for format will be furnished by the Field Engineer).

The daily progress reports shall be submitted to the Engineer at the Bi-Weekly Progress Meetings specified in GP-13 in both hard copy and digital format (Adobe Acrobat® Format, or approved equal). The typical form for Daily Progress Reports shall be developed by the Contractor and incorporated into the Work Plan.

GP-11 HURRICANE AND SEVERE STORM PLAN

The Contractor shall develop and maintain a written Hurricane and Severe Storm Plan. The Plan shall include, but not be limited to, the following:

- 11.1 What type of actions will be taken before storm strikes at the Project Site. The plan should specify what weather conditions or wave heights will require shutdown of the Work and removal of equipment, personnel, etc.
- 11.2 Notes from continuous monitoring of NOAA marine weather broadcasts and other local commercial weather forecasts.
- 11.3 Equipment list with details on their ability to handle adverse weather and wave conditions.
- 11.4 List of safe harbors or ports and the distance and travel time required to transfer equipment from the Project Site.
- 11.5 Hard copies of any written approvals or operations schedules associated with the use of the safe harbors or ports.
- 11.6 Method of securing equipment at the safe harbors or ports.

- 11.7 List of tug boats and work boats and their respective length, horsepower, etc. which will adequately transfer the equipment to safe harbor or port under adverse weather conditions.
- 11.8 Methods which will be used to secure equipment left onsite during adverse weather conditions.
- 11.9 Evacuation or immediate reaction plans to be taken by personnel for sudden storm occurrences.
- 11.10 Operations procedures which will be used to secure critical dredging equipment such as spuds, swing wires, anchor wires, or tugs during adverse weather conditions.
- 11.11 Communications protocol with local law enforcement and fire and rescue agencies.

The Contractor shall incorporate the Hurricane and Severe Storm Plan into the Work Plan. The Owner and Engineer are not responsible for the adequacy of this plan.

GP-12 HEALTH AND SAFETY PLAN AND INSPECTIONS

The Contractor shall develop and maintain a written Health and Safety Plan which allows the Work to be performed in compliance with all applicable laws, ordinances, rules, and regulations of any government agency having jurisdiction over the safety of personnel or property. This includes maintaining compliance with the Code of Federal Regulations, Title 29, Occupational Safety and Health Administration (OSHA) and all applicable Health and Safety Provisions of the State of Louisiana.

The Contractor shall institute a daily inspection program to assure that the requirements of the Health and Safety Plan are being fulfilled. Inspections shall include the nature of deficiencies observed, corrective action taken or to be taken, location of inspection, date, and signature of the person responsible for its contents. The results of the inspections shall be recorded on Daily Progress Reports and kept at the Project Site during the Work.

The Contractor shall incorporate the Health and Safety Plan into the Work Plan. The Owner and Engineer are not responsible for the adequacy of this plan.

GP-13 PROGRESS MEETINGS AND REPORTS

The Engineer shall schedule meetings to review the progress of the Work, coordinate future efforts, discuss compliance with the Progress Schedule and resolve miscellaneous problems. The Engineer or Resident Project Representative, Contractor, and all Subcontractors actively working at the Project Site shall attend each meeting. Representatives of suppliers, manufacturers, and other Subcontractors may also attend at the discretion of the Contractor. The Contractor shall record the details of each meeting in a Progress Report. The format of this report shall be developed by the Contractor, approved by the Engineer, and included in the Work Plan. The progress meetings and reports shall be scheduled according to the Special Provisions.

GP-14 PRE-CONSTRUCTION CONFERENCE

A Pre-Construction Conference shall be held by the Contractor, Owner, Engineer, local stakeholders, and other appropriate personnel prior to starting construction on the date specified in the Special Provisions. This conference shall serve to establish a mutual understanding of the Work to be performed, the elements of the Progress Schedule and Work Plan, expectations for bi-weekly progress meetings, the Plans and Specifications, processing Applications for Payment, and any other items of concern. If any subcontractors are not present, another pre-construction conference will be required.

GP-15 CONTRACT INTENT

The Bid Documents are complementary; what is called for by one is as binding as if called for by all. Clarifications and interpretations or notifications of minor variations and deviations of the Contract Documents will be issued by Engineer as provided in these Specifications. Any labor, documentation, services, materials, or equipment that may reasonably be inferred from the Bid Documents or from prevailing custom or trade usage as being required to produce the intended result will be provided at no additional cost to the Owner.

GP-16 ENGINEER AND AUTHORITY OF ENGINEER

The Engineer will be the designated representative of the Owner, the initial interpreter of the Contract Documents and the judge over acceptability of all the Work. Claims, disputes, and other matters relating to the acceptability of the Work, performance by the Contractor or the interpretation of the requirements of the Contract Documents must be submitted to the Engineer in writing. Upon written request from the Contractor, the Engineer shall issue written clarifications or interpretations which are consistent with the overall intent of the Contract Documents. Such written clarifications and interpretations will be binding on the Owner and the Contractor. Either the Owner or the Contractor may make a Claim if a written clarification or interpretation justifies an adjustment in the Contract Price or Contract Times.

The Engineer has the authority to suspend the Work in whole or in part due to failure of the Contractor to correct conditions unsafe for workmen or the general public, carry out provisions of the Contract, perform conformance work, or to carry out orders. The Engineer shall submit a written order to the Contractor for work which must be suspended or resumed. Nothing in this provision shall be construed as establishing responsibility on the part of the Engineer for safety which is the responsibility of the Contractor.

The Engineer or Resident Project Representative shall keep a daily record of weather and flood conditions and may suspend the Work as deemed necessary due to periods of unsuitable weather, conditions considered unsuitable for execution of the Work, or for any other condition or reason deemed to be in the public interest.

GP-17 CONFORMITY WITH PLANS AND SPECIFICATIONS

All work and materials involved with the Work shall conform with the lines, grades, cross sections, dimensions, and other requirements shown on the Plans or indicated in these Specifications unless otherwise approved by the Engineer.

GP-18 CLARIFICATIONS AND AMENDMENTS TO CONTRACT DOCUMENTS

The Contract Documents may be clarified or amended by the Engineer to account for additions, deletions, and revisions to the Work after the Effective Date of the Contract. The clarifications and amendments shall be addressed by either a Change Order or a written clarification by the Engineer. The Contractor shall not proceed with the Work until the Change Order or clarification has been issued by the Engineer. The Contractor shall not be liable to the Owner or Engineer for failure to report any such discrepancy unless the Contractor had reasonable knowledge.

The Contractor may request a clarification or amendment for the following:

- 18.1 Any conflict, error, ambiguity, or discrepancy within the Contract Documents; or
- 18.2 Any conflict, error, ambiguity, or discrepancy between the Bid Documents and the provision of any Law or Regulation applicable to the performance of the Bid; or
- 18.3 Any standard, specification, manual, or code (whether or not specifically incorporated by reference in the Bid Documents); or
- 18.4 Instructions by a supplier.

The official form for a written clarification is provided in Appendix B. This form shall be filled out appropriately by the Contractor and submitted to the Engineer. The Engineer shall clarify the issue in writing on either the clarification form, Field Order or a Change Order and submit it to the Contractor.

GP-19 SUBCONTRACTS

The Contractor shall provide the names of all Subcontractors to the Engineer in writing before awarding any Subcontracts. The Contractor shall be responsible for the coordination of the trades and Subcontractors engaged in the Work. The Contractor is fully responsible to the Owner for the acts and omissions of all the Subcontractors. The Owner and Engineer will not settle any differences between the Contractor and Subcontractors or between Subcontractors. The Contractor shall have appropriate provisions in all Subcontracts to bind Subcontractors to the Contractor by the terms of the General Provisions and other Contract Documents, as applicable to the Work of Subcontractors. The provisions should provide the Contractor the same power regarding termination of Subcontracts that the Owner may exercise over the Contractor under any provisions of the Contract Documents.

GP-20 WORKERS, METHODS, AND EQUIPMENT

The Contractor shall provide competent, qualified, and trained personnel to perform the Work. The Contractor shall not employ any person found objectionable by the Engineer. Any person employed by the Contractor or any Subcontractor who, in the opinion of the Engineer, does not perform the Work in a proper, skillful, and orderly manner shall be immediately removed upon receiving a written order by the Engineer. The Engineer may also suspend the Work until the Contractor removes the employee or provides a suitable replacement. Such an employee shall not be re-employed in any portion of the Work without written approval from the Engineer.

The on-site superintendent for the Contractor shall be competent, English-speaking, and qualified to receive orders, supervise, and coordinate all Work for the Contractor and any Subcontractors. The qualifications of the superintendent must be established and approved by the Engineer prior to commencement of the Work. The superintendent shall be furnished by the Contractor regardless of how much Work may be sublet. In the performance of the Work under this Contract, the Contractor shall conduct operations to avoid interference with any other Contractors.

All equipment, products, and material incorporated into the Work shall be as specified, or if not specified, shall be new, of good quality, and protected, assembled, used, connected, applied, cleaned, and conditioned in accordance with the manufacturer's instructions, except as otherwise may be provided in the Bid Documents. All equipment shall be of sufficient size and mechanical condition to meet the requirements of the Work and produce a satisfactory quality of work. Equipment shall not damage adjacent property throughout the performance of the Work. The Plant and Equipment Schedule should be completed by the Contractor.

The Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures used to complete the Work in conformance with the Contract Documents.

The Contractor shall obtain permission from the Engineer if a method or type of equipment other than specified in the Contract is desired. The request shall be in writing and shall include a full description of the methods, equipment proposed, and reasons for the modification. A proposed item of material or equipment may be considered by the Engineer to be functionally equal to an item specified in the Contract if:

- 20.1 It is at least equal in quality, durability, appearance, strength, and design characteristics;
- 20.2 There is no increase in any cost including capital, installation, or operating to the Owner;
- 20.3 The proposed item will conform substantially, even with deviations, to the detailed requirements of the item named in the Bid Documents.

If, after trial use of the substituted methods or equipment, the Engineer determines that the Work produced does not meet Contract requirements, the Contractor shall discontinue use of the substituted methods or equipment and shall complete the Work with the specified methods and equipment. The Contractor shall remove the deficient Work and replace it with

Work of specified quality or take other corrective action as directed. No change will be made in basis of payment for construction items involved or in Contract Time as a result of authorizing a change in methods or equipment.

GP-21 ACCIDENT PREVENTION, INVESTIGATIONS, AND REPORTING

The Contractor shall be responsible to develop and maintain all safeguards and safety precautions necessary to prevent damage, injury, or loss throughout the performance of the Work. All accidents at the Project Site shall be investigated by the immediate supervisor of employee(s) involved and reported to the Engineer or Resident Project Representative within one (1) working day. A complete and accurate written report of the accident including estimated lost time days shall be submitted to the Engineer within four (4) calendar days. A follow-up report shall be submitted to the Engineer if the estimated lost time days differ from the actual lost time days.

GP-22 PRESERVATION AND RESTORATION OF PROPERTY, MONUMENTS, ETC.

The Contractor shall comply with all applicable laws, ordinances, rules, and regulations of any government agency having jurisdiction over the preservation and protection of public and private property. The Contractor shall install and maintain suitable safeguards and safety precautions during the Work as necessary to prevent damage, injury, or loss to property. This responsibility shall remain with the Contractor until the Work has been completed and accepted. Any damage, injury, or loss to property which is caused by the Contractor or Subcontractors shall be repaired or replaced at the expense of the Contractor.

The Contractor shall protect all land monuments, State and United States bench marks, geodetic and geological survey monuments, and property markers from disturbance or damage until an authorized agent has witnessed or otherwise referenced their location. The Contractor shall also provide protection for all public and private property including trees, utilities, pipes, conduits, structures, etc. These items shall not be removed unless directed by the Engineer.

The Contractor shall be responsible to completely repair all damages to public or private property due to any act, omission, neglect, or misconduct in the execution of the Work unless it is due to unforeseeable causes beyond the control of and without the fault or negligence of the Contractor, including but not restricted to acts of God, public enemies, or governmental authorities. The damage must be repaired at the expense of the Contractor before final acceptance of the Work can be granted by the Engineer. If the Contractor fails to repair the damage within forty-eight (48) hours, the Owner may independently proceed with the repairs at the expense of the Contractor by deducting the cost from the Contract. If the Contractor cannot provide for the cost of repairs, the Surety of the Contractor shall be held until all damages, suits, or claims have been settled.

GP-23 PROTECTION OF THE WORK, MATERIALS, AND EQUIPMENT

It shall be the responsibility of the Contractor to protect the Work, materials, and equipment from damages or delays due to inflows, tidal rise, and storm water runoff which may occur at the Project Site. The Owner shall not be held liable or responsible for these types of delays or damages.

GP-24 LAND RIGHTS

The Owner has been granted all of the temporary easements, servitudes, and right-of-way agreements from public and private landowners in order to perform the Work. A land rights memorandum which lists all known responsible contacts and required stipulations is provided in Appendix C. The Contractor is responsible to notify all of the contacts and abide by stipulations listed in that memorandum.

GP-25 UTILITIES

The Owner has been granted all of the temporary easements, servitudes, and right-of-way agreements from known public and private utilities in order to perform the Work. The utilities include, but are not limited to telephone, telegraph, power poles or lines, water or fire hydrants, water or gas mains and pipelines, sewers, conduits, and other accessories or appurtenances of a similar nature which are fixed or controlled by a city, public utility company or corporation.

The Contractor shall conduct the Work in such a manner as to cooperate and minimize inconveniences with utilities. Prior to commencement of the Work, the Contractor is responsible to notify all of the utilities and abide by stipulations required by the utility company(s). The Contractor shall also call Louisiana One Call at 1-800-272-3020 a minimum of 5 working days prior to construction to locate existing utilities at the Project Site.

Any damage to utilities that is caused by the Contractor within the Project Site shall be repaired at the expense of the Contractor. The Owner will not be responsible for any delay or damage incurred by the Contractor due to working around or joining the Work to utilities left in place or for making adjustments.

Any unidentified pipes or structures which may be discovered within the limits of the Project Site shall not be disturbed and shall be reported to the Engineer as soon as possible. Construction or excavation shall not be performed around unidentified utilities without prior approval from the Engineer.

GP-26 PERMITS

Federal and State permits that are required to perform the Work, such as the Department of the Army Permit, Coastal Use Permit, LDEQ Clean Water Permit, LDWF Fill Material License, and LADOTD highway crossing permit have been secured by the Owner. Permit conditions affecting the construction processes have been included in these Specifications. Copies of these permits will be provided to the Contractor at the pre-construction conference. These permits will not relieve the responsibility of the Contractor from obtaining any additional permits which may be needed to complete the Work. Copies of any special permits that are obtained by the Contractor must be submitted to the Owner. The Contractor shall conform to the requirements therein and display copies of the permits in a public setting at the Project Site at all times.

GP-27 PROJECT SITE CLEAN-UP

The Contractor shall keep the Project Site free from accumulations of waste material or trash at all times. All trash and waste materials shall be removed by the Contractor and disposed off-site in an approved waste disposal facility. In addition, all equipment, tools, and non-conforming work shall also be removed prior to the Work being accepted. No materials shall be placed outside of the Project Site.

GP-28 OWNER INSPECTION

The Owner, Resident Project Representative, and Federal Sponsor shall have the right to perform reasonable inspections and testing of the Work at the Project Site. Access shall be granted to the entire Project Site including all materials intended for use in the Work. The Contractor shall allow reasonable time for these inspections and tests to be performed. The inspections shall not relieve the Contractor from any obligation in accordance with the requirements of the Contract.

The Owner shall notify the Contractor prior to all tests, inspections, and approvals of the Work which are to be conducted at the Project Site. The Owner shall also provide the Contractor with the written results of all inspections and tests. Inspections, tests, or Payments made by the Owner shall not constitute acceptance of non-conforming Work of prejudice the Owner's rights under the Contract.

GP-29 DUTIES OF RESIDENT PROJECT REPRESENTATIVE

A Resident Project Representative shall be assigned by the Engineer to the Project Site to observe the Contractor and monitor the progress and manner in which the Work is being performed. The Resident Project Representative will also report to the Engineer and Contractor whenever materials or Work fail to comply with the Contract. The Resident Project Representative is authorized to reject any materials or suspend work which does not comply with the Contract until the issue is resolved by the Engineer.

However, the Resident Project Representative is not authorized to revoke, alter, enlarge, relax, or release any requirements of the Contract, or to approve or accept any portion of the Work, or to issue instructions contrary to the Plans and Specifications. The Resident Project Representative shall not manage or perform duties for the Contractor.

GP-30 CONSTRUCTION STAKES, LINES, AND GRADES

The Engineer shall direct the Contractor to all control points necessary for setting stakes and establishing lines and grades as shown on the Plans. The Contractor shall be responsible for laying out all of the Work. All layouts shall be witnessed and verified by the Engineer or Resident Project Representative prior to beginning the Work. The Contractor shall be responsible for proper execution of the Work according to the layouts after receiving verification from the Engineer.

The Contractor shall be responsible for furnishing and maintaining stakes such that the Work can be verified for acceptance. The Engineer may suspend the Work at any time if it cannot be adequately verified due to the number, quality, or condition of the stakes.

GP-31 CONTRACTOR'S RESPONSIBILITY FOR WORK

The Contractor shall execute all items covered by the Contract, and shall furnish, unless otherwise definitely provided in the Contract, all materials, implements, machinery, equipment, tools, supplies, transportation, and labor necessary to complete the Work. The Contractor shall pay constant attention to the progress of the Work and shall cooperate with the Engineer in every way possible. The Contractor shall maintain a complete copy of the Contract at all times, including the Plans, Specifications, and any authorized modifications.

GP-32 ENVIRONMENTAL PROTECTION

The Contractor shall comply with and abide by all federal, state, and local laws and regulations controlling pollution of the environment, including air, water, and noise. The Contractor shall take precautions to prevent pollution of waters and wetlands with fuels, oils, bituminous materials, chemicals, sewage, or other harmful materials and contaminants, and to prevent pollution of the atmosphere from particulate and gaseous matter, in accordance with all terms and conditions of federal, state, and local air and water pollution control laws and programs and their rules and regulations, including the federal Clean Air Act and the federal Clean Water Act.

The Contractor shall adhere to the provisions which require compliance with all standards, orders, or requirements contained under Section 306 of the Clean Air Act and Section 508 of the Clean Water Act, which prohibit the use under non-exempt Federal contracts, grants, or loans, of facilities included on the Environmental Protection Agency (EPA) list of Violating Facilities.

Construction operations in rivers, streams, lakes, tidal or coastal waters, reservoirs, canals, wetlands, and any other impoundments shall be restricted to areas where it is necessary to accomplish the Work and performed in accordance with any applicable federal, state, and local laws, regulations, permit requirements, and guidelines, and the Contractor shall conduct the Work in a manner that will not cause damaging concentrations of silt or pollution to water.

Contractor shall maintain and operate equipment to minimize noise, dust, and vibration near noise, dust and vibration-sensitive areas such as churches, hospitals, schools, and residential areas, and assure that any activities conducted near such areas are not unduly disruptive. Contractor shall maintain all equipment with properly functioning mufflers.

The Contractor shall be responsible for determining and utilizing any erosion and pollution control features or methods that may be necessary to comply with all federal, state, and local laws and regulations.

GP-33 SANITARY PROVISION

The Contractor shall provide and maintain sanitary accommodations for use by all employees and Subcontractors. Facilities shall comply with the requirements of the Louisiana State Board of Health and Hospitals and other authorities having jurisdiction. Committing public nuisance on the Project Site is prohibited.

GP-34 PAYMENT OF TAXES

The Contractor shall be responsible for all taxes and duties that maybe levied under existing State, Federal, and local laws during the completion of the Work. The Owner will presume that the amount of such taxes is included in the unit prices bid by the Contractor and will not provide additional reimbursement.

GP-35 RADIO AND TELEPHONES

The Contractor shall furnish and maintain radio and telephone equipment throughout the Contract Time which will allow communication between the Contractor and the Engineer or Resident Project Representative.

GP-36 NAVIGATION

All marine vessels shall comply with the following Federal Laws and Regulations:

- 36.1 The International Navigational Rules Act of 1977 (Public Law 95-75, 91 Stat. 308, or 33 U.S.C. 1601-1608); and
- 36.2 The Inland Navigation Rules Act of 1980 (Public Law 96-591, 94 Stat. 3415, 33 U.S.C. 2001-2038).

These rules can be found on the Internet at:

<http://www.navcen.uscg.gov/mwv/navrules/navrules.htm>. All marine vessels shall display the lights and day shapes required by Part C- Lights and Shapes of the Inland Navigation Rules. The location, type, color, and size of the lights and day shape shall be in accordance with Annex I - Positioning and Technical Details of Lights and Shapes. Any vessel engaged in dredging is considered a "Vessel restricted in her ability to maneuver" and shall display all the lights and shapes required in Rule 27, "Vessel Not Under Control."

GP-37 OBSTRUCTION TO NAVIGATION

The Contractor shall minimize all obstructions to navigation in compliance with pertinent U. S. Coast Guard regulations while conducting the Work. The Contractor shall promptly move any floating equipment or marine vessels which obstruct safe passage of other marine vessels. Upon completion of the Work, the Contractor shall remove all marine vessels and other floating equipment such as temporary ranges, buoys, piles, and other marks or objects that are not permanent features of the Work.

GP-38 MARINE VESSELS AND MARINE ACTIVITIES

All marine vessels operated by the Contractor shall possess a valid United States Coast Guard (USCG) inspection certificate and current American Bureau of Shipping (ABS) Classification. All officers and crew shall possess valid USCG licenses as required by USCG regulations. These certificates, classifications, and licenses shall be posted in a public area on board each vessel.

All marine vessels not subject to USCG certification or ABS Classification shall be inspected annually by a marine surveyor accredited by the National Association of Marine Surveyors

(NAMS) or the Society of Accredited Marine Surveyors (SAMS). All inspections shall be documented using an appropriate report format. At a minimum, the inspections shall evaluate the structural integrity of the vessel and comply with the National Fire Protection Association Code No. 302- Pleasure and Commercial Motor Craft. The most recent inspection report shall be posted in a public area on board each vessel.

GP-39 RECORD KEEPING

The Contractor shall maintain orderly records of the Progress Schedule, Daily Progress Reports, Progress Meetings, correspondence, submittals, reproductions of original Contract Documents, Change Orders, Field Orders, certificates, additional drawings issued subsequent to the executed Contract, clarifications and interpretations of the Contract Documents by the Engineer, and other related documents at the Project Site until all of the Work is accepted by the Engineer.

GP-40 CERTIFICATES OF COMPLIANCE

Any certificates required for demonstrating proof of compliance of materials with specification requirements shall be executed in three (3) copies. Each certificate shall be certified by an authorized agent of the supplying company and shall contain the name and address of the Contractor, the project name and location, and the quantity and date of shipment. Copies of laboratory test reports submitted with certificates shall contain the name and address of the testing laboratory and the testing date. The Contractor shall also certify that all materials and test reports conform to the requirements of the Contract. Certification shall not be construed as relieving the Contractor from furnishing satisfactory material if the material is tested and determined to be in nonconformance.

GP-41 SUBMITTALS

The Contractor shall review all Submittals for compliance with the requirements of the Contract prior to delivery to the Engineer. Each Submittal shall contain a signed statement by the Contractor that it complies with the Contract requirements with any exceptions explicitly listed. The Contractor shall comply with these requirements for Submittals from Subcontractors, manufacturers, and suppliers.

All Submittals shall include sufficient data to demonstrate that the requirements of the Contract are met or exceeded. All submittals shall be legible and marked with the project title and clearly identify the item submitted. Each submittal package shall include an itemized list of the items submitted.

All Submittals will be reviewed within fourteen (14) days after being received by the Engineer. The Contractor shall allow the Engineer sufficient time for review, corrections, and resubmission of all Submittals prior to beginning the associated Work. The Contract Time shall not be extended based on incorrect or incomplete Submittals.

GP-42 CLAIMS FOR EXTRA COST

The Contractor is expected to complete the Work according to the Contract Price specified in the Bid Documents. If the Contractor deems additional compensation is due for work, materials, delays or other additional costs/or expenses not covered in the Contract or not

ordered as extra work, the Contractor shall give the Engineer written notice thereof within fourteen (14) calendar days after the receipt of such instructions and, in any event, before commencing the procedure. The Contractor shall justify the claim for extra cost by providing supporting data and calculations. The Engineer shall determine whether the Contractor is entitled to be compensated for such extra cost and shall make any required adjustments of the Contract in accordance with GP-43. If no written claim is made within this fourteen (14) calendar-day period, the Contractor will be deemed to have waived any claim for extra cost for such work.

Claim for damages or delays of the Work shall not be made by the Contractor for a relocation of the construction operation or portions thereof to other locations within the geographical scope of the project, when in the opinion of the Engineer, such relocation is necessary for the most effective prosecution of the Work and may be accomplished without undue hardship.

GP-43 ALTERATION OF THE CONTRACT AND COMPENSATION

Using Change Orders, Field Orders, or Written Amendments, the Owner may order extra work or make changes by altering the details of construction, add to or deduct from the Work. The requirements and stipulations of these documents shall be binding on the Owner and Contractor throughout the remainder of the Contract. Any claim for an extension of Contract Time caused thereby shall be adjusted at the time of ordering such change.

The value of any such extra work or change shall be determined in one or more of the following ways and in the following priority:

- 43.1 By application of the unit prices in the Contract to the quantities of the items involved or subsequently agreed upon; or
- 43.2 By mutual acceptance between the Owner and Contractor of a lump sum.

If none of the above methods is agreed upon, the Contractor, provided he is so ordered by the Owner in writing, shall proceed with the Work on a "force account" basis. In such a case, the Contractor shall keep and preserve in such form as the Engineer may direct, a correct itemized account of the direct cost of labor, materials, equipment, together with vouchers bearing written certification by the Contractor. In any case, the Engineer shall certify to the amount, including an allowance of fifteen percent (15%) for jobsite and home office overhead indirect expenses and profit due to the Contractor. Where such change involves a subcontractor, an allowance of fifteen percent (15%) for overhead and profit shall be due the subcontractor and an allowance of ten percent (10%) shall be due the Contractor. Pending final determination of value, payments on account of changes shall be made on the Engineer's estimate and as approved in an executed Change Order.

If the Contractor is prevented from completing the Work according to the Contract Price due to the Owner, the Contractor may be entitled to any reasonable and necessary addition of cost as determined by the Engineer. Neither the Owner nor the Contractor shall be entitled to any damages arising from events or occurrences which are beyond their control, including but not limited to fires, floods, epidemics, abnormal weather conditions, acts of God, acts of war and other like matters. The provisions of this section exclude recovery for damages caused by the Contractor and compensation for additional professional services by either party.

GP-44 EXTENSION OF CONTRACT TIME

The Contractor is expected to complete the Work within the Contract Time specified in the Bid Documents. A legitimate increase of the Contract time may be requested by the Contractor throughout the course of the Work. This Claim must be submitted to the Engineer in writing within fourteen (14) days of the event which caused the time delay to the Contractor. If an extension of Contract Time involves an increase in Contract Price, both claims shall be submitted together. The Contractor shall justify the increase of the Contract Time in the Claim using supporting data and calculations. The Engineer may deny the claim if there is insufficient information to make a determination. If the Claim is approved, the Engineer shall issue a Change Order within thirty (30) days of the Claim. The Contract Time shall be increased on a basis that is commensurate with the amount of additional or remaining Work. For example, the Contract Time can be increased where the number of actual adverse weather days exceeds the number of days estimated in the Contract.

GP-45 OWNER'S RIGHT TO TERMINATE CONTRACT FOR CAUSE OR CONVENIENCE

45.1 TERMINATION FOR CAUSE

The Owner shall submit a written notice to the Contractor and Surety which justifies placement of the Contractor in default if:

- a. The Work is not begun within the time specified in the Notice to Proceed; or
- b. The Work is performed with insufficient workmen, equipment, or materials to assure prompt completion; or
- c. The Contractor performs unsuitable, neglected or rejected work, refuses to remove materials; or
- d. The Work is discontinued; or
- e. The Work is not completed within the Contract Time or time extension; or
- f. Work is not resumed within a reasonable time after receiving a notice to continue; or
- g. The Contractor becomes insolvent or is declared bankrupt, or commits any act of bankruptcy or insolvency; or
- h. The Contractor allows any final judgment to stand unsatisfied for a period of ten (10) days; or
- i. The Contractor makes an assignment for the benefit of creditors; or
- j. The Work is not performed in an acceptable manner.

If the Contractor or Surety does not remedy all conditions cited in the written notice within ten (10) days after receiving such a notice, the Contractor will be in default and the Owner shall remove the Contractor from the Work. If the Contractor is placed into default, the

Owner may obtain the necessary labor, materials, and equipment or enter into a new Contract in order to complete the Work. All costs incurred by the Owner for completing the Work under the new Contract will be deducted from the payment due the Contractor. If the expense exceeds the sum payable under the Contract, the Contractor and Surety shall be liable to pay the Owner the difference.

45.2 TERMINATION FOR CONVENIENCE

Owner may, at any time, terminate this Contract or any portion thereof, for Owner's convenience, upon providing written notice to the Contractor. In such case, Contractor shall be paid for all work completed through the date notice was provided (less payments already received) and reasonable demobilization and restocking charges incurred and reasonable overhead and profit based upon industry standards on the work performed. In no event shall the Contractor be entitled to payment of overhead and profit on work not performed. In the event it is determined that the Contractor was wrongfully terminated for cause, pursuant to Section GP 45.1 above, such termination shall be automatically converted to a termination for convenience under and payment made as provided under this Section.

GP-46 TEMPORARY SUSPENSION OF WORK

The Engineer shall have the authority to temporarily suspend the Work in whole or in part. A Field Order shall be issued to the Contractor for any of the Work that is suspended for periods exceeding one (1) calendar day. The Field Order shall include the specific reasons and details for the suspension. The Contract Time shall not be extended if the Work is suspended due to failure by the Contractor to comply with a Field Order or with the Plans and Specifications. If the Work is suspended in the interest of the Owner, the Contractor shall make due allowances for the lost time.

GP-47 NON-CONFORMING AND UNAUTHORIZED WORK

Work not conforming to the Plans, Specifications, Field Orders, or Change Orders shall not be accepted for payment. Unacceptable or unauthorized work shall be removed and replaced in an acceptable manner at the expense of the Contractor in order to obtain final acceptance of the Work.

If the Contractor should neglect to prosecute the work properly or fail to perform any provision of this Contract, the Owner after seven (7) calendar days written notice to the Contractor, may correct such deficiencies itself or by use of other contractors without prejudice to any other remedy it may have, and may deduct the cost thereof from the payment then or thereafter due to the Contractor.

GP-48 CONTRACTOR'S RIGHT TO TERMINATE CONTRACT

The Contractor may terminate the Contract or Work and recover payment from the Owner for labor and materials if the Work is stopped through no act or fault of the Contractor for more than three (3) months. For example, such an occurrence could be caused by a court order or other public authority. In any case, the Contractor shall submit a written notice to the

Engineer at the beginning of the occurrence, and a written Claim to the Owner at the end of the occurrence.

GP-49 BREACH OF CONTRACT

The Owner shall submit a written Claim to the Contractor regarding any breach of the Contract. The Contractor must provide a written response to the Owner regarding the breach of Contract within ten (10) days after the Claim. This response must provide either an admission to the Claim or a detailed denial based on relevant data and calculations. The failure of the Contractor to provide a proper response within ten (10) days shall result in justification of the Claim by default.

GP-50 NO WAIVER OF LEGAL RIGHTS

The Owner shall not be prevented from recovering costs from the Contractor, Surety, or both due to failure of the Contractor to fulfill all of the obligations under the Contract. If a waiver is provided to the Contractor for a breach of Contract by the Owner, it shall not apply to any other breach of Contract. Final acceptance of the Work shall not prevent the Owner from correcting any measurement, estimate, or certificate. The Contractor shall be liable to the Owner without prejudice to the terms of the Contract or any warranty for latent defects, fraud, or gross negligence.

GP-51 LIABILITY FOR DAMAGES AND INJURIES

To the fullest extent permitted by Laws and Regulations, the Contractor shall indemnify and hold harmless the Owner, Engineer, and their officers, employees, representatives, and/or agents from all suits, actions, claims, costs, losses, demands, and judgments (including but not limited to fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) brought because of injuries or damage sustained by a person or property due to the operations of Contractor; due to negligence in safeguarding the Work, or use of unacceptable materials in constructing the Work; or any negligent act, omission, or misconduct of the Contractor; or claims or amounts recovered under the Workmen's Compensation Act or other law, ordinance, order, or decree; any money due the Contractor as considered necessary by the Owner for such purpose may be retained for use of the State or in case no money is due, the performance and payment bond may be held until such suits, actions, claims for injuries or damages have been settled and suitable evidence to that effect furnished to the Owner; except that money due the Contractor will not be withheld when the Contractor produces satisfactory evidence that adequate Workman's Compensation, Public Liability, and Property Damage Insurance are in effect.

The indemnification obligations of the Contractor shall not extend to the liability of the Owner, Engineer, and their affiliates arising out of the preparation or approval of the Plans, Specifications, maps, opinions, reports, surveys, or Change Orders, or for providing directions or instructions which are the primary cause of the injury or damage.

Should the Owner or Contractor suffer from any injury or damage due to an error, omission, or act of the other party or their legally liable affiliates, a written Claim shall be submitted to the other party within ten (10) days. The Claim shall provide all details regarding the injury

or damage, the results of any investigations, and the action to be taken to prevent any reoccurrence.

GP-52 LIABILITY FOR LOSSES BY ACTS OF THE GOVERNMENT

The Owner shall not be liable for any loss or damage suffered by the Contractor arising out of a cessation of Work under this Contract due to any act or order of any local, state, or federal government agency. If this cessation occurs, the Contractor may request an extension of the Contract Time according to the provisions in GP-44.

GP-53 SUBSTANTIAL COMPLETION

Upon notice from the Contractor that it believes the project has reached substantial completion, and before final acceptance, the Engineer will make an inspection of the Work. "Substantial Completion" is defined as the date on which the Work is complete in accordance with the Contract Documents in order that the Owner can occupy and use the project for its intended use. The date of Substantial Completion shall be specified in the Notice of Acceptance.

If the Owner or its representative determines the Project is substantially complete, the Owner shall issue a Notice of Acceptance identifying the date the Project reached Substantial Completion and attach a punch list identifying the remaining items that must be completed before final payment. The Owner will then file an official Notice of Acceptance with the Clerk of Court in the Parish where the work is performed and will forward one copy of the recorded acceptance to the Contractor and Engineer.

If the inspection discloses any work as being unsatisfactory or incomplete and such work generates a formal punch list, the Engineer will give the Contractor instructions for correction of same, and the Contractor shall immediately comply with such instructions. Upon satisfactory completion of the corrections, when a "Punch List" is generated, the Engineer shall prepare a "Recommendation of Acceptance" incorporating the punch list and submit to the Owner. Upon approval of the Recommendation of Acceptance, the Owner may issue a Notice of Acceptance of the Contract which shall establish the date of Substantial Completion.

Any punch list generated by the Engineer shall be accompanied by a cost estimate to correct the particular items of work the Engineer has developed. The cost estimate shall be developed based on mobilization, labor, material, and equipment costs of correcting each punch list item and shall be retained from monies owed to the Contractor, above and beyond the standard retainage. The Engineer shall retain his working papers used to determine the punch list items cost estimates should the matter be disputed later. The Owner shall not withhold from payment more than the value of the punch list. Punch list items completed shall be paid upon the expiration of the forty-five (45) day lien period. After that payment, none of the remaining funds shall be due the Contractor until all punch list items are completed and are accepted by the Engineer.

If the dollar value of the punch list exceeds the amount of funds, less retainage amount, in the remaining balance of the Contract, the Project shall not be accepted as Substantially Complete. If the funds remaining are less than required to complete the punch list work, the Contractor shall pay the difference. The provisions listed above shall not be subject to

waiver.

Warranties required by the Contract Documents shall commence on the date of Substantial Completion of the Work/project as provided in the Notice of Acceptance, unless otherwise agreed to in writing by the Owner and Contractor. In the instance where the Owner has accepted the Work/project as substantially complete and issued a Notice of Acceptance, and the Contractor must remain on the premises to complete the "Punch List" or for whatever reason, the Contractor shall maintain Commercial General Liability insurance, Auto Liability insurance and Worker's Compensation insurance as set forth herein until the expiration of the forty-five (45) day lien period or upon the completion of the work/project, whichever is later. Builder's Risk insurance, if applicable, may be cancelled only with the written permission of the Owner or the Owner's representative at Substantial Completion.

If the punch list is not completed within forty-five (45) days, through no fault of Owner or Engineer, the Owner may, but is not required, to place the Contractor in default. Thereafter, the Owner shall notify the Surety. If the Surety has not completed the punch list within forty-five days of receipt of notification, the Owner may, but is not required to, complete the remaining punch list items. Any costs incurred shall be paid for first out of any remaining Contract funds. If the costs incurred exceed the remaining Contract funds, the Contractor and its Surety shall be liable for such costs.

Upon completion of the punch list, Contractor shall request Final Inspection.

GP-54 FINAL INSPECTION AND ACCEPTANCE

Whenever the work provided for, or contemplated by the contract, have been satisfactorily completed, all punch list items completed and the final cleaning up is performed, the Engineer shall be notified in writing that said work is completed and ready for final inspection. The Engineer shall, unless otherwise provided, make the final inspection within a reasonable length of time after the receipt of such notification.

If all construction provided for in the contract is found completed to the Engineer's satisfaction, that inspection shall constitute the final inspection and the Engineer will make recommendation to the Owner for final acceptance and notify the Contractor in writing of this recommendation of acceptance.

GP-55 AS-BUILT DRAWINGS

The Contractor shall submit all originals and copies of the As-Built Drawings to the Engineer for review and acceptance in accordance with the Special Provisions. The As-Built Drawings shall provide complete data for quantities, dimensions, specified performance and design criteria, and similar items which clearly represent the services, materials, and equipment the Contractor has provided. All revision sheets shall be clearly stamped with the words "As-Built".

GP-56 COMPLETION OF CONTRACT

Notwithstanding any other provision of this Contract and all applicable and necessary time delays under Louisiana law, completion of the Contract requires all of the Work to be complete, inspected by the Engineer, accepted by the Owner as recommended by the

Engineer, and after final payment is made. After the Contract is complete, the Contractor will then be released from further obligation except as set forth in the Contract Bond and Contractor's Guarantee.

GP-57 CONTRACTOR'S GUARANTEE

The Contractor is obligated to provide a written guarantee to the Owner that all of the Work conforms to the Contract Documents. The Work shall be guaranteed to survive for a minimum period of 1 year after final acceptance, unless otherwise specified in the Technical Specifications.

57.1 The guarantee shall include:

- 57.1.1 A written warranty by the manufacturer for each piece of installed project equipment or apparatus furnished under the Contract.
- 57.1.2 Any necessary repair or replacement of the warranted equipment during the guarantee period at no cost to the Owner.
- 57.1.3 Satisfactory operation of installed equipment including, but not limited to, any mechanical and electrical systems furnished and constructed under the Contract during the guarantee period. The Contractor shall repair all equipment which fails due to defective materials or faulty workmanship during the guarantee period. The Contractor shall also be liable for all other ancillary expenses incurred by the Owner due to the failure.

57.2 The guarantee shall exclude defects or damage caused by:

- 57.2.1 Abuse or improper modification, maintenance, or operation by anyone other than the Contractor; or
- 57.2.2 Wear and tear under normal usage.

57.3 This obligation by the Contractor shall be absolute. The following actions will not constitute acceptance of non-conformance Work or release the Contractor from obligation to furnish the Work in accordance with the Contract Documents:

- 57.3.1 Observations by the Owner or Engineer; or
- 57.3.2 Recommendations by the Engineer or payment by the Owner; or
- 57.3.3 Use of the Work by the Owner; or
- 57.3.4 Issuance of a notice of acceptance by the Owner pursuant to the provisions of GP-53, or failure to do so; or
- 57.3.5 Any inspection, test, or approval by others; or
- 57.3.6 Any correction to non-conforming work by the Owner.

GP-58 DISPUTE RESOLUTION

The parties shall use their best efforts to resolve all disputes in an amicable fashion. Prior to filing suit by either party with respect to any claims, or disputes arising between the parties, the disputes shall be submitted first to non-binding mediation. The mediation shall be conducted in accordance with the Construction Industry Mediation Rules of the American Arbitration Association. If the parties cannot agree to a private mediator, then the mediator shall be selected by the American Arbitration Association, upon the filing of a demand for mediation.

If the dispute is not resolved by mediation within 60 days from the request for mediation, then either party may institute legal proceedings. Any litigation involving the Owner and arising under or related to the Contract or the bidding or award thereof shall be instituted exclusively in the 19th Judicial District Court in and for the Parish of East Baton Rouge, State of Louisiana.

GP-59 PAYMENT

The Owner hereby agrees to pay to the Contractor as full compensation for all work performed under the contract, and/or supplemental agreements thereto, the monetary value of the actual quantities in the completed work according to the schedule of unit prices and/or lump sum prices set forth in attached bid proposal and/or duly authorized supplements thereto, and made a part of the Contract.

Partial payments under the Contract shall be made at the request of the Contractor not more than once each month, based upon partial estimates agreed to by the Contractor and Engineer and shall be furnished to the Engineer and approved by the Engineer prior to transmittal to the Owner for approval and payment.

The partial estimates will be approximately stated, and all partial estimates and payments shall be subject to corrections in the estimate rendered following the discovery of any error in any previous estimates.

The payment of the partial estimate shall be taken as verification that the work has been performed and that its quality is satisfactory, however it will in no way serve as a release to the Contractor for the responsibility of any portions thereof. The work and any particulars relating thereto shall be subject to revision and adjustment by the Engineer and/or the Owner at any time prior to final payment, regardless of any previous action taken.

There shall be reserved from the payments provided for the Contract ten percent (10%) for contracts less than \$500,000 or five percent (5%) for contracts of \$500,000 or more, of the estimates submitted, said sum to constitute a trust fund for the protection of and payment to any person or persons, mechanic, subcontractor or materialmen who shall perform any labor upon such contract, or the doing of said work, and all persons who shall supply such person or persons or subcontractors with provisions and supplies for the carrying on of such work, and shall be withheld for a minimum of forty-five (45) calendar days after final acceptance of the completed contract.

After the expiration of the forty-five (45) calendar day period, the reserve in excess of a sum

sufficient to discharge the claims of materialmen and laborers who have filed their claims, together with a sum sufficient to defray the cost of such action and to pay attorneys' fees, shall be paid to the Contractor.

The Contractor shall be responsible for obtaining and furnishing a clear lien and privilege certificate to the Owner at the expiration of the retainage period, and prior to payment of any reserve withheld.

GP-60 PAYMENTS WITHHELD

In addition to the percentage provided for in Section GP-58 of these General Provisions and in accordance with any other provision of this Contract, the Owner may withhold such amounts from any payment as may be necessary to protect himself from loss on account of:

- a) Defective work not remedied;
- b) Claims filed or reasonable evidence indicating probable filing of claims;
- c) Failure of the Contractor to make payments properly to subcontractors or for material or labor;
- d) Reasonable evidence that the Work will not be completed within the Contract time and that the unpaid balance would not be adequate to cover damages for the anticipated delay;
- e) A reasonable doubt that the contract can be completed within the time period remaining under the contract;
- f) Damage to another contractor;
- g) Failure to submit required reports; or
- h) Modifications of the contract which necessitate the execution of change orders prior to payment of funds.

Furthermore, nothing contained in this Section shall be deemed to limit the right of the Owner to withhold liquidated damages, as stated in the Instructions to Bidders and as permitted under Section SP-7 of the Special Provisions, from any amounts which may be due and owing the Contractor for work performed under the contract.

GP-61 LIENS

Neither the final payment nor any part of the retained percentage shall come due until the Contractor shall deliver to the Owner a complete release of all liens arising out of this contract, or receipts in full in lieu thereof, and, if required by the Owner, an affidavit that so far as he has knowledge or information, the releases and receipts include all labor and material for which a lien could be filed; but if any subcontractor refuses to furnish a release or receipt in full, the Contractor may furnish a bond satisfactory to the Owner to indemnify the Owner against any lien, construction cost, or attorney's fees.

GP-62 EQUAL EMPLOYMENT OPPORTUNITY

The State of Louisiana is an equal opportunity employer, and looks to its Contractor, subcontractors, vendors and suppliers to take affirmative action to effect this commitment in its operations.

By submitting the bid proposal and executing the Contract, the Contractor agrees to abide by the requirements of the following as applicable: Title VI and VII of the Civil Rights Act of 1964, as amended by the Equal Opportunity Act of 1972, Federal Executive Order 11246, the Federal Rehabilitation Act of 1973, as amended, the Vietnam Era Veterans Readjustment Assistance Act of 1974, Title IX of the Education Amendments of 1972, and the Age Act of 1975, and the Contractor agrees to abide by the requirements of the Americans with Disabilities Act of 1990.

The Contractor agrees not to discriminate in its employment practices, and will render services the Contract, without regard to their race, age, color, religion, sex, national origin, veteran status, political affiliation or disabilities. Any act of discrimination committed by the Contractor, or failure to comply with these statutory obligations when applicable, shall be grounds for termination of the Contract.

GP-63 ANTI-KICKBACK CLAUSE

The Contractor agrees to adhere to the mandate dictated by the Copeland “Anti-Kickback” Act which provides that each contractor or subcontractor shall be prohibited from inducing, by any means, any person employed in the completion of the work, to give up any part of the compensation to which he is otherwise entitled.

GP-64 SUSPENSION/DEBARMENT

Contractor certifies, by signing and submitting any bid, that their company, any subcontractors, or principals are not suspended or debarred by the General Services Administration (GSA) in accordance with the requirements in OMB Circular A-133. A list of parties who have been suspended or debarred can be viewed via the internet at www.epls.gov.

Contractor agrees to secure from any contractor(s) and subcontractor(s) for the captioned project, certification that such contractor(s) and subcontractor(s) are not suspended, debarred or declared ineligible from entering into contracts with any department or agency of the Federal Government or of the State of Louisiana, or in receipt of a notice of proposed debarment or suspension.

Contractor shall provide immediate notice to Owner in the event of it or its contractor(s) or any subcontractor(s) being suspended, debarred or declared ineligible by any department or agency of the Federal Government or of the State of Louisiana, or upon receipt of a notice of a proposed debarment or suspension, either prior to or after execution of this Contract.

Upon receipt of notice of suspension, debarment, or declaration that Contractor or its contractor(s) or any subcontractor(s) is/are ineligible to enter into contracts with any department or agency of the Federal Government or of the State of Louisiana, either prior to or after execution of this Contract, Owner reserves the right to review cause for said debarment, suspension, or declaration of ineligibility, and to terminate this Contract pursuant

to the terms of GP-45 OWNER'S RIGHT TO TERMINATE CONTRACT FOR CAUSE OR CONVENIENCE, or take such other action it deems appropriate under this Contract.

END OF PART I - GENERAL PROVISIONS

PART II SPECIAL PROVISIONS

SP-1 LOCATION OF WORK

The Project site is located within the Delta National Wildlife Refuge (DNWR) and the Pass-A-Loutre Wildlife Management Area (PALWMA). The DNWR is managed by the U.S. Fish & Wildlife Service, and the PALWMA is managed by the Louisiana Department of Wildlife and Fisheries.

The Project site is only accessible by boat. Launches are available in Venice. CPRA recommends using Cypress Cove Marina or Venice Marina as a drop-off and pick-up point for any meetings or site visits. Directions to this boat launch are shown in Appendix F.

SP-2 WORK TO BE DONE

The Contractor shall provide all labor, materials, and equipment necessary to perform the Work. The Base Bid for the Work shall include, but not be limited to, mobilization and demobilization to the Project Site, dredge three (3) existing crevasses (Johnson Pass, Sawdust Bend and South Pass), and 3 new crevasses (MP-1, OP-4 and OP-5) using either the hydraulic dredge option or the mechanical dredge option and placement of dredged material. The Additive Alternate for the Work shall include, but not be limited to, mobilization and demobilization to the Project Site, dredge one (1) new crevasse (MP-3) using either the hydraulic dredge option or the mechanical dredge option and placement of dredged material. The Work shall be performed in accordance with these Specifications and in conformity to lines, grades, and elevations shown on the Plans or as directed by Engineer. Quantity calculations, layouts, shop drawings, and construction sequencing of these items shall be provided in the Work Plan. The major tasks associated with the Work are described as follows:

- 2.1 Surveying –Prior to construction, the Contractor shall survey the crevasses, the placement areas and pipeline corridors for the hydraulic dredge option, or the placement areas for the mechanical dredge option as shown on the Plans. The Contractor shall also perform a magnetometer survey of the crevasses and dredge pipeline corridors to identify pipelines or obstructions. During construction, process surveys shall be performed for partial payment and quality control. After construction is complete, the Contractor shall develop an As-Built Survey, which shall be reviewed by the Engineer for acceptance of the Work.
- 2.2 Dredging and Placement Options: Either of the following dredging options can be utilized to perform the Work, however, only one dredging option can be utilized per each crevasse.
 - 2.2.1 Hydraulic Dredge Option – Material shall be hydraulically dredged from the crevasses and pumped via dredge pipeline to the placement areas in open water as shown on the Plans. The dredge pipeline shall be installed within the pipeline corridors shown on the Plans. The Contractor shall specify the size and type of the hydraulic dredge(s) to be used to perform the Work in the Dredge Data Sheet and Work Plan.
 - 2.2.2 Mechanical Dredge Option – Material shall be mechanically dredged from the crevasses and placed along the adjacent banks as shown on the Plans. The Contractor shall specify the size and type of mechanical dredge to be used to perform the Work in the Equipment Data Sheet and Work Plan.

- 2.2.3 Debris Removal – Debris that is encountered during dredging shall be properly disposed of by the contractor. Debris removal should be included in the dredging bid item.
- 2.3 Use of Equipment – The equipment used for the Work shall be operated within the boundaries of the Project Site (includes pipeline corridors) and away from existing vegetated wetlands or any other sensitive areas. The Contractor shall be responsible for returning all disturbed wetlands to pre-existing conditions at no expense to the Owner.
- 2.4 Site Examination – The Contractor shall be required to examine the Project Site and make determinations of the character of the material to be dredged and the condition of the placement areas. Material such as logs, stumps, tires, scrap, debris, and other obstructions may be encountered within the Project Site. No consideration shall be given to any claims for additional payments based on the failure of the Contractor to inspect the Project Site.
- 2.5 Existing Features – The Contractor shall be responsible for investigating, locating, and protecting all existing facilities, structures, services, and pipelines on, above, or under the surface of the area where dredging operations are to be performed. The Owner will not be held responsible for damage to the Contractor's equipment, employees, Subcontractors, adjacent property owners, or anyone else connected with the project due to encountering objects above and below the water line.

Existing features, where indicated on the Plans, are shown only to the extent such information was made available to or discovered by the Engineer during preparation of the Plans. There is no guarantee as to the accuracy or completeness of such information, and all responsibility for the accuracy and completeness is expressly disclaimed. If the Contractor fails to discover an underground installation and damages the same, he shall be responsible for the cost of the repair.

The Contractor shall call **Louisiana One Call** at **1-800-272-3020** at least five **(5) working days** prior to mobilization to locate any unknown utility lines in the area.

- 2.6 Permits - The Owner has obtained a Coastal Use Permit from the Louisiana Department of Natural Resources, Coastal Management Division, a 404 Permit from the U.S. Army Corps of Engineers, and a Water Quality Certification from the Louisiana Department of Environmental Quality (See Appendix E). The Contractor shall be responsible for complying with all provisions and conditions contained therein.

The permits do not relieve the responsibility of the Contractor from obtaining any additional permits that may be needed to complete the Work. Copies of all additional permits obtained by the Contractor must be submitted to the Owner.

SP-3 BID ITEMS, CONTRACT DATES, AND DELIVERABLES

Milestone	Location or Recipient	Date Due
Bid Advertisement	Publication	As advertised
Mandatory Pre-Bid Conference and Non-Mandatory Site Visit (GP-5)	Provided in Notice to Bidders	Provided in Notice to Bidders
Questions on Bid Documents (GP-5)	CPRA email address provided in SP-4	7 days prior to bid opening.
Effective Date of Contract	Contractor and Owner	Stated in Contract
Start of Contract Time	Contractor and Owner	Stated in Notice to Proceed
List of all Subcontractors (GP-19)	Engineer	Prior to awarding any subcontracts
Superintendent Qualifications (GP-20)	Engineer	Prior to construction
Work Plan (GP-8)	Engineer	14 days prior to Pre-Construction Conference
Progress Schedule (GP-9)	Engineer	At least 14 days prior to starting construction, monthly thereafter
Daily Progress Report	Resident Project Representative	By 12:00 pm each day from mobilization to demobilization
Pre-Construction Conference (GP-14)	Contractor, Engineer and Resident Project Representative	As determined by the Engineer after the Notice to Proceed is issued
Progress Meetings and Reports (GP-13, GP-39)	Engineer and Resident Project Representative	Bi-weekly or as determined at the Pre-Construction Conference
Preconstruction Survey (TS-2)	Engineer	After Pre-Construction Conference and prior to Construction
Process Survey (TS-2)	Engineer	Within three (3) days after data collection is complete
Written Notice of Completion of Work (GP-53)	Engineer	Minimum five (5) working days prior to anticipated completion of the Work
As-Built Survey (TS-2) and Drawings (GP-54)	Engineer	Prior to Final Inspection as scheduled by the Engineer
End of Contract Time	Contractor and Owner	114 calendar days after Notice to Proceed for the Base Bid, and 22 additional calendar days for Additive Alternate Bid No. 1

SP-4 CONTACT INFORMATION

Prior to Bid opening date, the Contractor shall send all questions and requests for clarification or interpretation of the Bid Documents in writing to the attention of Renee McKee of the Coastal Protection and Restoration Authority. The address and contact information is as follows:

Coastal Protection and Restoration Authority (CPRA)
450 Laurel Street, Suite 1501
Baton Rouge, LA 70801
Attn : Renee McKee
Phone: 225-342-0811
Fax: 225-342-4674
Email: cpra.bidding@la.gov

After execution of the Contract between Owner and Contractor, the successful Contractor shall contact the Engineer concerning bid documentation or questions. The addresses and contact information for the Engineer are listed as follows:

Peter Hopkins
2045 Lakeshore Drive
New Orleans, LA 70122
Phone: 504-280-4070
Fax: 504-280-4066

The Owner and Engineer shall deliver all written Claims, Notices, Submittals, Plans, and other documents to the Contractor at the address indicated on the Bid.

SP-5 INSURANCE AND BONDS

The Contractor shall purchase and maintain without interruption for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the Work hereunder by the Contractor, its agents, representatives, employees, or subcontractors. The duration of the Contract shall be from the inception of the Contract until the date of final payment.

5.1 Minimum Scope and Limits of Insurance

5.1.1 Worker's Compensation

Worker's Compensation insurance shall be in compliance with the Worker's Compensation law of the State of Louisiana. Employers Liability is included with a minimum limit of \$500,000 per accident/per disease/per employee. If Work is to be performed over water and involves maritime exposure, applicable LHWCA, Jones Act or other maritime law coverage shall be included and the Employers Liability limit increased to a minimum of \$1,000,000. A.M. Best's insurance company rating requirement may be waived for Worker's compensation coverage only.

5.1.2 Commercial General Liability

Commercial General Liability insurance, including Personal and Advertising Injury Liability and Products and Completed Operations Liability, shall have a minimum limit per occurrence based on the project value. The Insurance Services Office (ISO) Commercial General Liability occurrence coverage form CG 00 01 (current form approved for use in Louisiana), or equivalent, is to be used in the policy. Claims-made form is unacceptable.

The aggregate loss limit must apply to each project. ISO form CG 25 03 (current form approved for use in Louisiana), or equivalent, shall also be submitted. The State project number, including part number, and project name shall be included on this endorsement.

COMBINED SINGLE LIMIT (CSL) PER OCCURRENCE

The required minimum combined single limit amount of insurance shall be as provided below:

<u>Initial Contract Amount</u>	<u>Minimum Insurance</u>
Up to \$1,000,000	\$1,000,000
From \$1,000,001 to \$2,000,000	\$2,000,000
Over \$2,000,000	\$5,000,000

5.1.3 Automobile and Watercraft Liability

Automobile Liability Insurance and Watercraft Liability Insurance shall have a minimum combined single limit per occurrence of \$1,000,000. ISO form number CA 00 01 (current form approved for use in Louisiana), or equivalent, is to be used in the policy. This insurance shall include third-party bodily injury and property damage liability for owned, hired and non-owned automobiles and/or watercraft. If any non-licensed motor vehicles and/or watercraft are engaged in operations within the terms of the contract on the site of the work to be performed thereunder, such insurance shall cover the use of any such vehicles.

NOTE: If the Contractor does not own automobiles and/or watercraft, and such vehicles are utilized in the execution of the contract, then hired and non-owned coverage is acceptable. If automobiles and/or watercraft are not utilized in the execution of the contract, then automobile and/or watercraft coverage is not required.

5.1.4 Excess Umbrella

Excess Umbrella Insurance may be used to meet the minimum requirements for General Liability, Automobile Liability, and Watercraft Liability only.

5.1.5 Pollution Liability (required when asbestos or other hazardous material abatement is included in the contract)

Pollution Liability insurance, including gradual release as well as sudden and accidental, shall have a minimum limit of not less than \$1,000,000 per claim. A claims-made form will be acceptable. A policy period inception date of no later than the first day of anticipated Work under this contract and an expiration date of no earlier than 30 days after anticipated completion of all Work under the contract shall be provided. There shall be an extended reporting period of at least 24 months, with full reinstatement of limits, from the expiration date of the policy. The policy shall not be cancelled for any reason, except non-payment of premium.

5.1.6 Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and accepted by the Owner. The Contractor shall be responsible for all deductibles and self-insured retentions.

5.2 Other Insurance Provisions

5.2.1 The policies are to contain, or be endorsed to contain, the following provisions:

5.2.1.1 Worker's Compensation and Employers Liability Coverage

5.2.1.1.1. The insurer shall agree to waive all rights of subrogation against the Owner, its officers, agents, employees, and volunteers for losses arising from Work performed by the Contractor for the Owner.

5.2.1.2 General Liability Coverage

5.2.1.2.1. The Owner, its officers, agents, employees and volunteers are to be added as additional insureds as respects liability arising out of activities performed by or on behalf of the Contractor; products and completed operations of the Contractor, premises owned, occupied, or used by the Contractor. ISO Form CG 20 10 (current form approved for use in Louisiana), or equivalent, is to be used.

5.2.1.2.2. The Contractor's insurance shall be primary as respects the Owner, its officers, agents, employees and volunteers. The coverage shall contain no special limitations on the scope of protection afforded to the Owner, its officers, officials, employees, or volunteers. Any insurance or self-insurance maintained by the Owner shall be excess and non-contributory of the Contractor's insurance

5.2.1.2.3. The Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the policy limits.

5.2.1.3 All Coverages

5.2.1.3.1. Coverage shall not be canceled, suspended, or voided by either party (the Contractor or the insurer) or reduced in coverage or in limits except after 30 days written notice has been given to the Owner. Ten-day

written notice of cancellation is acceptable for non-payment of premium. Notifications shall comply with the standard cancellation provisions in the Contractor's policy.

- 5.2.1.3.2. Neither the acceptance of the completed Work nor the payment thereof shall release the Contractor from the obligations of the insurance requirements or indemnification agreement.
- 5.2.1.3.3. The insurance companies issuing the policies shall have no recourse against the Owner for payment of premiums or for assessments under any form of the policies.
- 5.2.1.3.4. Any failure of the Contractor to comply with reporting provisions of the policy shall not affect coverage provided to the Owner, its officers, agents, employees and volunteers.

5.2.2 Acceptability of Insurers

All required insurance shall be provided by a company or companies lawfully authorized to do business in the jurisdiction in which the Project is located. Insurance shall be placed with insurers with an A.M. Best's rating of **A-:VI or higher**. This rating requirement may be waived for Worker's compensation coverage only.

If at any time an insurer issuing any such policy does not meet the minimum A.M. Best rating, the Contractor shall obtain a policy with an insurer that meets the A.M. Best rating and shall submit another certificate of insurance as required in the contract.

5.2.3 Verification of Coverage

Contractor shall furnish the Owner with Certificates of Insurance reflecting proof of required coverage. The Certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. **The Certificates are to be received and approved by the Owner before Work commences and upon any contract renewal thereafter.** The Certificate Holder must be listed as follows:

State of Louisiana
Coastal Protection and Restoration Authority
450 Laurel Street
Baton Rouge, LA, 70801
Attn: Project #_____

In addition to the Certificates, Contractor shall submit the declarations page and the cancellation provision endorsement for each insurance policy. The Owner reserves the right to request complete certified copies of all required insurance policies at any time.

Upon failure of the Contractor to furnish, deliver and maintain such insurance as above provided, this contract, at the election of the Owner, may be suspended, discontinued or terminated. Failure of the Contractor to purchase and/or maintain any required insurance shall not relieve the Contractor from any liability or indemnification under the contract.

If the Contractor does not meet the insurance requirements at policy renewal, at the option of the Owner, payment to the Contractor may be withheld until the requirements have been met, OR the Owner may pay the renewal premium and withhold such payment from any monies due the Contractor, OR the contract may be suspended or terminated for cause.

5.2.4 Subcontractors

Contractor shall include all subcontractors as insureds under its policies OR shall be responsible for verifying and maintaining the certificates provided by each subcontractor. Subcontractors shall be subject to all of the requirements stated herein. The Owner reserves the right to request copies of subcontractor's certificates at any time.

If Contractor does not verify subcontractors' insurance as described above, Owner has the right to withhold payments to the Contractor until the requirements have been met.

5.2.5 Worker's Compensation Indemnity

In the event Contractor is not required to provide or elects not to provide Worker's compensation coverage, the parties hereby agree the Contractor, its Owners, agents and employees will have no cause of action against, and will not assert a claim against, the State of Louisiana, its departments, agencies, agents and employees as an employer, whether pursuant to the Louisiana Worker's Compensation Act or otherwise, under any circumstance. The parties also hereby agree that the State of Louisiana, its departments, agencies, agents and employees shall in no circumstance be, or considered as, the employer or statutory employer of Contractor, its Owners, agents and employees. The parties further agree that Contractor is a wholly independent Contractor and is exclusively responsible for its employees, Owners, and agents. Contractor hereby agrees to protect, defend, indemnify and hold the State of Louisiana, its departments, agencies, agents and employees harmless from any such assertion or claim that may arise from the performance of this contract.

5.2.6 Indemnification/Hold Harmless Agreement

Contractor agrees to protect, defend, indemnify, save, and hold harmless, the State of Louisiana, all State Departments, Agencies, Boards and Commissions, its officers, agents, servants, employees and volunteers, from and against any and all claims, damages, expenses and liability arising out of injury or death to any person or the damage, loss or destruction of any property which may occur, or in any way grow out of, any act or omission of Contractor, its agents, servants and employees, or any and all costs, expenses and/or attorney fees incurred by Contractor as a result of any claims, demands, suits or causes of action, except those claims, demands, suits or

causes of action arising out of the negligence of the State of Louisiana, all State Departments, Agencies, Boards, Commissions, its officers, agents, servants, employees and volunteers.

Contractor agrees to investigate, handle, respond to, provide defense for and defend any such claims, demands, suits or causes of action at its sole expense and agrees to bear all other costs and expenses related thereto, even if the claims, demands, suits, or causes of action are groundless, false or fraudulent.

5.3 Performance and Payment Bond

5.3.1 Recordation of Contract and Bond [38:2241A(2)]

The Owner shall record within thirty (30) days the Contract between Owner and Contractor and Performance and Payment Bond with the Clerk of Court in the Parish in which the Work is to be performed.

SP-6 PRE-CONSTRUCTION CONFERENCE

The Engineer will establish the time, date, and location of the pre-construction meeting after execution of the contract. The Engineer will prepare an agenda, preside over the meeting, and distribute a transcript of proceedings to participating parties.

6.1 Conference Agenda

The pre-construction conference agenda will include, but will not be limited to, the following:

- 6.1.1 Designation of responsible personnel;
- 6.1.2 Subcontractor's responsibilities;
- 6.1.3 Progress schedule;
- 6.1.4 Contract Time;
- 6.1.5 Processing of Shop Drawings;
- 6.1.6 Processing of field decisions and Change Orders;
- 6.1.7 Progress Meetings;
- 6.1.8 Processing and Scheduling of payments;
- 6.1.9 Contractor responsibility for first-aid;
- 6.1.10 Security;
- 6.1.11 Housekeeping;
- 6.1.12 Record Drawings;
- 6.1.13 Letter of Notice to Proceed;
- 6.1.14 Emergency Contacts;
- 6.1.15 Any other Project related items.

SP-7 DELIVERABLES

7.1 Prior to Construction:

The Contractor shall provide the following information to the Engineer prior to the Pre-Construction Conference specified in GP-14:

- 7.1.1 Work Plan as specified in GP-8;
- 7.1.2 Progress Schedule as specified in GP-9;
- 7.1.3 Copy of Daily Progress Report as specified in GP-10;
- 7.1.4 Hurricane and Severe Storm Plan as specified in GP-10;
- 7.1.5 Health and Safety Plan as specified in GP-12.

The Contractor shall provide the following information to the Engineer prior to the Pre-Construction Conference specified in GP-14:

- 7.1.6 Updates to all Plans and schedules based on comments from the Engineer;
- 7.1.7 Potential construction corridors (if needed, other than from what is provided) which may be approved on an as needed basis.

7.2 During Construction:

The Contractor shall deliver copies of the following documents upon request by the Engineer, or as specified in these provisions:

- 7.2.1 The results of all surveys and calculations as specified in TS-2;
- 7.2.2 Progress Schedule as specified in GP-9;
- 7.2.3 Daily Progress Reports as specified in GP-10;
- 7.2.4 Copies of all inspection reports;
- 7.2.5 All Change Orders, Field Orders, Claims, Clarifications, and Amendments;
- 7.2.6 Administrative Records
- 7.2.7 Notice of Intent to Dredge

At least 30 days prior to commencement of Work on this Contract, the Contractor shall notify the U.S. Coast Guard, Sector New Orleans Command Center, at the address below, of his intended operations to dredge and request that it be published in the Local Notice to Mariners. This notification must be given in sufficient time so that it appears in the Notice to Mariners at least seven (7) days prior to the commencement of this dredging operation. A copy of the Department of the Army Permit and drawings shall be provided to the U.S. Coast

Guard. A copy of the notification shall be provided to the Engineer.

U.S. Coast Guard
Sector New Orleans Command Center
201 Hammond Hwy
Metairie, LA 70005
504-846-5923

7.2.8 Relocation of Navigational Aids

Temporary removal of any navigation aids located within or near the areas required to be dredged or filled and material stockpile areas shall be coordinated by Contractor with the U.S. Coast Guard prior to removal. The Contractor shall not otherwise remove, change the location of, obstruct, willfully damage, make fast to, or interfere with any aid to navigation. The Contractor shall notify the Eighth U.S. Coast Guard District, New Orleans, Louisiana, in writing, with a copy to the Engineer, seven (7) days in advance of the time he Plans to dredge or Work adjacent to any aids which require relocation to facilitate the Work. The Contractor shall contact the U.S. Coast Guard for information concerning the position to which the aids will be relocated.

7.2.9 Dredging Aids

The Contractor shall obtain approval for all dredging aids, including but not limited to temporary navigation aids, warning signs, buoys, and lights, he requires conducting the Work specified in this Contract. The Contractor shall obtain a temporary permit from the U.S. Coast Guard for all buoys or dredging aid markers to be placed in the water prior to installation. The permit application shall state the position, color, and dates to be installed and removed for all dredging aid markers and be submitted to the U.S. Coast Guard. Dredging aid markers and lights shall not be colored or placed in a manner that they will obstruct or be confused with navigation aids. Copies of the application and permit shall be submitted to the Engineer seven (7) days prior to commencement of dredging operations.

7.2.10 Notification of Discovery of Historical or Cultural Sites

If during construction activities the Contractor observes items that may have prehistoric, historical, archeological, or cultural value, the Contractor shall immediately cease all activities that may result in the destruction of these resources and shall prevent his employees from trespassing on, removing, or otherwise damaging such resources. Such observations shall be reported immediately to the Engineer so that the appropriate authorities may be notified and a determination made as to their significance and what, if any, special dispositions of the finds should be made. The Contractor shall report any observed unauthorized removal or destruction of such resources by any person to the Engineer so the appropriate State of Louisiana authorities can be notified. The Contractor shall not resume work at the site in question until State authorities have rendered judgment concerning the artifacts of interest.

7.3 Post Construction:

The Contractor shall contact the Engineer by phone, a **minimum of five (5) working days** prior to the anticipated completion of the Work in order to schedule the final inspection and

gain Acceptance by the Engineer. The following documents shall also be submitted to the Engineer:

7.3.1 As-Built Drawings as specified in TS-2.

SP-8 WORK PLAN SUPPLEMENTAL

The following items shall be included in the Work Plan in addition to those required by those required by GP-8

- 8.1 Dredge Data Sheet if the hydraulic dredge option will be utilized;
- 8.2 Equipment Data Sheet if the mechanical dredge option will be utilized;
- 8.3 Layout and schedule for hydraulic or mechanical dredging of the crevasses;
- 8.4 If the hydraulic dredge option will be utilized, layout and schedule for the dredge pipeline corridors;
- 8.5 Layout and schedule for filling the placement areas;
- 8.6 Layout and schedule for all surveys.

SP-9 FAILURE TO COMPLETE ON TIME

For each day the Work remains incomplete beyond the Contract Time, as specified in SP-3, or Extension of Contract Time, as specified in GP-44, **\$2,670** per calendar day will be deducted from any money due to the Contractor as liquidated damages. The Contractor and Surety shall be liable for any liquidated damages that are in excess of the amount due the Contractor.

SP-10 TRANSPORTATION

The Contractor shall provide a safe and reasonable means of transportation to and from the marine access structure, staging area, and Project Site for the Engineer and the federal sponsor throughout the Work. The schedule and pickup location shall be arranged by the Engineer and the Contractor prior to mobilization. Upon request, overnight room and board shall be provided to these personnel by the Contractor if adequate facilities are available. The Contractor shall provide access to a boat for use by the Engineer and/or Resident Project Representative to inspect the Project Site during the Work. The boat shall have the following features:

- 10.1 Coast Guard certified;
- 10.2 Operable marine radio;
- 10.3 All safety equipment required by the Coast Guard for the size and type of that boat;
- 10.4 Draft of two feet (2') or less.

The Contractor shall supply the fuel and maintain the boat. All mechanical malfunctions of the boat shall be repaired within twelve (12) hours. In the event that the Contractor refuses, neglects,

or delays compliance with the requirements of this provision, the Owner may obtain and use other necessary boats at the expense of the Contractor. The costs associated with providing the boats shall be included in the lump sum price for Bid Item No. 1, "Mobilization and Demobilization".

SP-11 LANDOWNER AND PIPELINE REQUIREMENTS

The Owner has obtained all temporary easement, servitude, and right-of-way agreements required for construction of the project. The agreements executed with landowners for the Work at the Project site contain special requirements pertaining to access routes and insurance. The agreements are included in Appendix D. The Contractor shall abide by the stipulations set forth by the respective landowners (Grantors):

Delta National Wildlife Refuge

James Harris
U.S. Fish and Wildlife Service
Southeast Louisiana Refuges
Bayou Lacombe Centre
61389 Hwy. 434
Lacombe, LA 70445
Phone: (985) 882-2000
Facsimile: (985) 882-9133
E-mail: james_harris@fws.gov

Pass-a-Loutre WMA

Todd Baker
Louisiana Department of Wildlife &
Fisheries
2415 Darnall Rd.
New Iberia, LA 70560
Phone: (337) 373-0032
E-mail: tbaker@wlf.la.gov

The Contractor shall add the landowners listed above as additional insured. It is also agreed and understood that the Contractor will at all times indemnify and hold harmless all landowners from and against any and all claims, demands, causes of action, judgments, liabilities, and expense of every nature, including attorney's fees, by reason of personal injury, death (including but not limited to injuries to and death of employees of the landowners and the Contractor's employees) or damage to property, (including environmental) which arises out of, results from, or is in any manner related to, directly or indirectly, any operations or acts hereunder, or to the exercise of your rights hereunder, or to your presence upon or use of the landowners' premises above referred to, or to the use or existence of your facilities on such premises. The indemnity provisions of this paragraph shall not apply if any such injury, death, damage, liability claim, or cause of action is caused by the negligence of the landowners, their employees, agents, or representatives.

The Owner used the best available data to locate existing pipelines within the project site. However, this does not eliminate responsibility from the Contractor to locate subsurface structures within all crevasses, dredge pipeline corridors, and placement areas via magnetometer survey and probing if necessary. If the hydraulic dredge option is utilized to perform the Work for Crevasse MP-3, the Contractor shall notify the following pipeline operator **14 days** prior to crossing their pipeline with dredge pipeline or any other equipment:

Location: Crevasse MP-3
16" Pipeline
Robin Asevado
High Point Energy
Phone: (504) 812-7151
Email: rja@highpointenergy.net

The dredge pipeline and other equipment shall remain floating at all times across all other pipelines and respective right-of-ways. The Contractor shall provide the Engineer with copies of all necessary written permissions from the pipeline operators prior to installation of the dredge pipeline.

SP-12 OYSTER LEASE RESTRICTIONS

There are no known existing oyster leases near or within the boundaries of the Project Site; therefore, no oyster lease restrictions are provided for performing the Work within the boundaries of the Project Site

SP-13 NAVIGATION

All operations in connection with the Work shall be in accordance with Subsection 107.09, Waters and Wetlands, of the latest edition of the Louisiana Standard Specification for Roads and Bridges. Failure of the Contractor to familiarize himself with all terms, conditions, and provisions of the rules and regulations applicable to the Work shall not relieve him of this responsibility under the Contract. Navigable depths shall not be impaired except as allowed by laws regulating navigation in the area. Dredging of flotation channels shall not be permitted for this project. It is the responsibility of the Contractor to select equipment that can navigate from a maintained navigation channel to the Project Site without dredging or deepening the existing water bottom. All equipment shall remain floating at all times during transit to the Project Site. The Contractor shall obtain NOAA Nautical Charts and/or other charts to become familiar with the depths in the vicinity of the Project Site.

END OF PART II – SPECIAL PROVISIONS

PART III TECHNICAL SPECIFICATIONS

TS-1 MOBILIZATION AND DEMOBILIZATION

- 1.1 Scope: The Contractor shall furnish all labor and equipment necessary to move personnel, equipment, supplies and incidentals to and from the Project Site, establish facilities necessary for the Work, obtain bonds, required insurance and any other pre-construction expenses necessary to perform the Work. The Contractor will include pipeline mobilization cost here.
- 1.2 Arbitrary Mobilization by Contractor: The Owner shall pay for only one mobilization and demobilization effort. Should the Contractor demobilize prior to completing the Work, subsequent remobilization shall be performed at no cost to the Owner.
- 1.3 Ratio of Mobilization and Demobilization Effort: Sixty percent (60%) of the mobilization/demobilization lump sum price will be paid to the Contractor upon complete mobilization to the Project Site. The remaining forty percent (40%) will be paid to the Contractor upon final acceptance of the Work and removal of all equipment and unused materials.
- 1.4 Justification of Costs: The Contractor will be required to submit a written Claim to the Engineer if the cost of mobilization and demobilization is unreasonable in relation to the total cost of the Work. The Engineer shall make a determination on the justification of the Claim. Failure to adequately justify this relation in the Claim shall result in payment of actual mobilization and demobilization costs. The determination by the Engineer is not subject to appeal.
- 1.5 Measurement and Payment: Payment for mobilization and demobilization shall be paid for at the contract lump sum price for Bid Item No. 1, "Mobilization, and Demobilization". Payment shall constitute full compensation for moving personnel, equipment, supplies, and incidentals to and from the Project Site and establishing offices, buildings and other facilities for the Work, obtaining bonds, insurance and any other associated expenses related to this item of Work.

TS-2 SURVEYING

- 2.1 Scope: The Contractor shall furnish all of the materials, labor and equipment necessary to perform the Pre-Construction, Process, and As-Built Surveys of the various construction features shown on the Plans and as specified in these Specifications. All surveys shall be performed by personnel who are approved by the Engineer and under the direct supervision of a professional engineer or surveyor licensed in the state of Louisiana. The Contractor shall provide the schedule for the surveys and deliverables in the Work Plan.
- 2.2 Existing Design Transects: The design transects of the crevasses were used for design and are shown on the Plans for informational purposes only. These transects are not required to be resurveyed to perform the Work.

2.3 Reference and Control: Survey data shall reference the North American Datum of 1983 (NAD 83), Louisiana South Zone, U. S. Survey Feet, and the North American Vertical Datum of 1988 (NAVD 88), U. S. Survey Feet. Horizontal and vertical control shall be established by using the CPRA secondary monuments specified in Appendix E. Temporary Bench Marks (TBMs) and staff gauges shall be installed as deemed necessary by the Contractor to perform all surveys.

2.4 Survey Equipment:

2.4.1 Topographic Surveys: Topographic surveys shall utilize Global Positioning System (GPS) receivers and systems which utilize Real Time Kinematic (RTK) satellite navigation. A six inch (6") diameter metal plate shall be attached to the bottom of the survey rod to prevent the rod from sinking below ground level.

2.4.2 Bathymetric Surveys: Bathymetric surveys collected on board vessels must be differentially corrected for tidal fluctuations and wave action to the referenced datum. Bar check results, survey scroll or BIN file, and verification of real-time tide corrections shall also be provided.

2.4.3 Magnetometer Surveys: Magnetometer surveys shall be conducted using a Geometrics G-882 magnetometer or equivalent. Track lines shall be sufficiently spaced to adequately detect pipelines, utilities or other obstructions. The coordinates, amplitude, signature type and signature width shall be recorded for all magnetometer anomalies.

2.5 Pre-Construction Survey: The Pre-Construction Survey shall be used to verify the existing conditions at the Project Site, make modifications or adjustments to the various project features as deemed necessary by the Engineer, and stake out the Work. The Preconstruction Survey shall show the existing bathymetry and topography of the crevasses in plan and profile using elevations, coordinates, lines, and grades. Contours of the placement areas shall also be shown in plan view using ± 0.5 foot intervals. The Pre-construction Survey shall also show the dredge quantities for all proposed crevasse cuts. The methodology used to calculate the quantities, such as the average end area or AutoCAD, shall be preapproved by the Engineer.

The Pre-Construction Survey shall be performed after the Pre-Construction Conference and prior to construction. The Contractor shall notify the Engineer a minimum of forty-eight (48) hours prior to beginning the Pre-Construction Survey. The Pre-Construction Survey shall be submitted to the Engineer for review as scheduled per SP-3 and include the following items:

2.5.1 Temporary Aids to Navigation: If installed, the coordinates of all temporary aids to navigation shall be recorded after they are installed.

2.5.2 Existing Pipelines: All existing (known or discovered) pipelines located within one-hundred-fifty (150) feet of the crevasses, dredge placement areas and dredge pipeline corridors shall be surveyed and probed for depth of cover to the top of pipe at one-hundred foot intervals.

2.5.3 Dredge Pipeline Corridors: Magnetometer and bathymetric or topographic surveys shall be performed on the dredge pipeline corridors if the hydraulic dredge option is utilized to dredge a crevasse. Ground elevations and coordinates shall be recorded along the

centerline of the corridor alignment and outside edges of the corridors at one-hundred (100) foot intervals and at all points of inflection. The top of pipe and depth of coverage shall be determined at each pipeline crossing.

- 2.5.4 Crevasses: A bathymetric and magnetometer survey profile shall be performed along the centerline of all the crevasses as shown on the Plans. Perpendicular transects of the crevasses shall also be surveyed as shown on the Plans. These transects shall extend fifty (50) feet beyond the outside boundaries of the crevasses if the hydraulic dredge option is utilized. Bottom elevations, coordinates and magnetometer readings shall be recorded at twenty-five (25) foot intervals along the centerline profile and transects.
- 2.5.5 Mechanical Dredge Option Placement Areas: If the mechanical dredge option is utilized to dredge a crevasse, the topography of the mechanical dredge placement areas shall be surveyed along the transects shown on the Plans. The transects shall extend from the outside boundaries of the crevasse to fifty (50) feet beyond the outside boundaries of the placement areas. A profile shall also be surveyed across the centerline of each placement area. Ground elevations and coordinates shall be recorded at twenty-five (25) foot intervals along the profiles and transects. The hydraulic dredge placement areas shall not be surveyed if the mechanical dredge option is utilized for the crevasse.
- 2.5.6 Hydraulic Dredge Option Placement Areas: If the hydraulic dredge option is utilized to dredge a crevasse, the bathymetry of the hydraulic dredge placement areas shall be surveyed along the transects shown on the Plans. The transects shall extend fifty (50) feet beyond the boundaries of the crevasses. Ground elevations and coordinates shall be recorded at fifty (50) foot intervals along the transects. The mechanical dredge placement areas shall not be surveyed if the hydraulic dredge option is utilized for the crevasse.
- 2.6 Process Surveys: The Process Surveys shall be used to verify partial payments, determine Acceptance, and make modifications or adjustments as deemed necessary by the Engineer. The Process Surveys shall show the dredged crevasses and placement areas in plan and profile using elevations, coordinates, lines, and grades. Contours of the crevasses and placement areas shall also be shown in plan view using ± 0.5 foot intervals. The plan and profiles from the Process Surveys shall be overlaid onto the Preconstruction Survey and include the date each survey was performed. The Process Survey shall also show the dredged quantities for each crevasse cut. The calculation methodology used to determine the quantities shall be consistent with the Preconstruction Survey.

The Process Surveys shall be submitted to the Engineer for Acceptance as per SP-3 and include the following items:

- 2.6.1 Crevasses: The bathymetry of those portions of the crevasses which have been dredged shall be surveyed for payment. This survey shall be consistent with the Preconstruction Survey.
- 2.6.2 Mechanical Dredge Option Placement Areas: If the mechanical dredge option is utilized to dredge a crevasse, the topography of the mechanical dredge placement areas shall be surveyed for acceptance after each crevasse has been dredged. This survey shall be consistent with the Preconstruction Survey.

- 2.6.3 Hydraulic Dredge Option Placement Areas: If the hydraulic dredge option is utilized to dredge a crevasse, the topography or bathymetry of the hydraulic dredge placement areas shall be surveyed for acceptance after each crevasse has been dredged. This survey shall be consistent with the Preconstruction Survey.
- 2.7 As-Built Survey: The As-Built Survey shall be used to verify final payment and to make modifications or adjustments to the various project features as deemed necessary by the Engineer. Those project features which are required to be re-worked due to non-compliance with the Plans and these Specifications shall be resurveyed for Acceptance. The As-Built Surveys shall show the constructed quantities and project features in plan and profile consistent with the Preconstruction and Process Surveys. Final payment will not be received until the As-Built Survey and Work have gained Acceptance from the Engineer as per SP-3. The As-Built Survey shall also include the following items:
- 2.8 Deliverables: The Preconstruction, Process and As-Built Surveys shall be delivered to the Engineer as per SP-3. Three copies all surveys shall be provided on 11" X 17" paper and one digital copy provided in AutoCAD with Adobe pdf files. All surveys shall be stamped by a professional surveyor licensed in the State of Louisiana. The As-Built Survey shall incorporate all field changes, change orders, and quantities of materials placed. All revisions shall be shown in red and be easily distinguishable from the original design.
- Digital copies of all survey point files shall be included with the Preconstruction, Process and As-Built Surveys and shall contain the following information:
- 2.8.1 Point number;
- 2.8.2 Northing (NAD 83 US. FT.);
- 2.8.3 Easting (NAD 83 US. FT.);
- 2.8.4 Elevation (NAVD 88 FT.);
- 2.8.5 Description.
- 2.9 Ratio of Effort: Forty percent (40%) of the lump sum price for Surveying will be paid to the Contractor upon completion of the Preconstruction Survey. Forty percent (40%) of the lump sum price for Surveying will be paid to the Contractor upon completion of the Process Surveys. The remaining twenty percent (20%) will be paid to the Contractor upon completion of the As-built Survey.
- 2.10 Measurement and Payment: Payment for this item shall be paid for at the Contract lump sum price for Bid Item No. 2, "Surveying". Payment shall constitute full compensation for moving personnel, equipment, supplies, and other incidentals related to this item of the Work.

TS-3 HYDAULIC DREDGING OPTION

- 3.1 Scope: For this dredge option, the Contractor shall furnish all of the materials, labor, and equipment necessary to hydraulically dredge the crevasses and place the material into the hydraulic dredge placement areas in accordance with these Specifications and in conformity to the lines, grades and elevations shown on the Plans. The crevasse material shall be dredged, pumped and placed in such a manner to insure that negative impacts caused by the Work are minimized.
- 3.2 Equipment: All equipment shall be operated within the boundaries of the Project Site and be prohibited from operating within vegetated wetlands external to the Project Site. All equipment shall be in satisfactory operating condition, capable of efficiently performing the Work as set forth in the Plans and these Specifications, and shall be subject to inspection by the Engineer or Resident Project Representative at all times.
 - 3.2.1 Hydraulic Dredge: The equipment used to dredge the crevasses shall be a hydraulic cutter head dredge type only. The Contractor shall determine and select the most appropriate size of the dredge with the highest priorities of the Work being completion within the specified contract time. Other factors to be considered shall include safety, the environment, depth of draft, etc.
 - 3.2.1.1 Dredge Data Sheet: The Dredge Data Sheet in Appendix H shall be included in the Work Plan for each hydraulic dredge that is proposed to perform the Work. Submittal of a Dredge Data Sheet shall constitute a certification that the described equipment is available to, and under control of, the Contractor. The data is pertinent to the evaluation of the proposed dredges and their capability to perform the Work. The Contractor may omit data or information that is considered to be proprietary.
 - 3.2.1.2 Dredging Limits: Dredging of the crevasses shall only occur within the limits shown on the Plans. The Contractor will be required to pay any costs, fines, or other expenses related to dredging outside of the permitted boundaries of the crevasses. Otherwise, the Owner reserves the right to make deductions to payments and the Contractor's bond.
 - 3.2.1.3 Materials: The materials to be dredged may consist of gravel, sand, silt, clay, muck and shells. Other debris such as logs, stumps, snags, tires and scrap which are encountered shall be removed and properly disposed of by the Contractor at no pay.
 - 3.2.2 Dredge Pipeline: The hydraulic dredge pipeline shall be installed within the limits of the dredge pipeline corridors as shown on the Plans. All dredge pipeline corridors shall be returned to pre-construction conditions prior to demobilization.
 - 3.2.2.1 Leaks: The Contractor shall maintain a non-leaking dredge slurry pipeline at all times. The joints and elbows shall be constructed and maintained to prevent leaks. If a leak does occur, the Contractor shall immediately cease dredging and notify the Engineer. If requested by the Engineer, the Contractor will transport the Engineer or Resident Project Representative to the leak for visual inspection. The Engineer may require any material deposited as a result of a pipeline leak to be removed by the Contractor at no cost to the Owner. Dredging may resume after the leak is repaired.

- 3.2.2.2 Floating Pipelines: Dredge pipelines that are floating or supported on trestles shall display appropriate lights at night and in periods of restricted visibility in accordance with Title 33 CFR 88.15 regulations.
- 3.2.2.3 Submerged Pipelines: Submerged dredge pipelines shall rest on the water bottom and be secured with anchors. These pipelines shall be marked with fluorescent orange buoys with signs stating “DANGER SUBMERGED PIPELINE” in accordance with local USCG requirements at the beginning, end, all angles, all pipeline crossings and at one-hundred fifty (150) foot intervals along the length of the dredge pipeline. Signs shall also be installed anywhere the charted depth is reduced by more than ten percent (10%). The depth to the top of pipe of any submerged pipeline which crosses a navigation channel shall be submitted to the USCG for publication in the Notice to Mariners.
- 3.2.2.4 Pipeline Crossings: The dredge pipeline and equipment used to install the dredge pipeline shall remain floating at all times across all pipeline crossings. This requirement may be waived if the Contractor obtains written approval from the pipeline operator to install the dredge pipeline in a different manner. A copy of the written approval shall be submitted to the Engineer prior to installation of the hydraulic dredge pipeline across the pipeline.
- 3.2.3 Other Equipment: The Equipment Data Sheet in Appendix I shall be submitted in the Work Plan for all other pieces of heavy equipment proposed to perform the Work other than the hydraulic dredge (I.E., marsh buggies, boosters, tenders, etc.).
- 3.3 Navigation Depths: The Contractor shall be responsible to select equipment which has suitable draft to transit to the crevasses without dredging an access channel. This equipment shall also remain floating at all times during the Work. Navigable waterways shall not be impaired except as allowed by applicable laws or regulations. The Contractor shall obtain NOAA Nautical Charts and/or other available data, and conduct field reconnaissance to become familiar with the depths in the vicinity of the Project Site. The Contractor is responsible for contacting the owners of any pipelines that will be crossed by equipment.
- 3.4 Placement of Dredged Material: Material dredged from the crevasses shall be placed within the hydraulic dredge placement areas as shown on the Plans. The maximum fill elevation of the placement areas is +3.0 feet NAVD88. The dredge flow rate, slurry density and dredge pipe outfall shall be regulated to ensure that placement operations comply with the maximum fill elevation and boundaries of the placement area. Those portions of the hydraulic dredge placement areas which are in non-compliance with the Plans and Specifications shall be re-graded and resurveyed for Acceptance. The Contractor shall be responsible for the restoration of any damages to adjacent wetlands or water bodies.
- 3.5 Acceptance: The crevasses and placement areas shall be accepted by the Engineer if the process surveys show compliance with the lines, grades and dimensions shown on the Plans. The Engineer may require that the crevasses and placement areas be reworked and resurveyed in order to gain Acceptance.

- 3.6 Measurement and Payment: Payment for dredging and placement of material will be made at the Contract unit price per cubic yard dredged from the crevasses for Bid Item No. 3, "Dredging". Price and payment shall constitute full compensation for furnishing all equipment, labor, and material necessary to dredge the crevasse and place the dredged material into the hydraulic placement areas. The Contractor may request partial payment on a monthly basis per each crevasse that is accepted.

TS-4 MECHANICAL DREDGE OPTION

- 4.1 Scope: For this dredge option, the Contractor shall furnish all of the materials, labor, and equipment necessary to mechanically dredge the crevasses and place the material onto the mechanical dredge placement areas in accordance with these Specifications and in conformity to the lines, grades and elevations shown on the Plans. The crevasse material shall be dredged and placed in such a manner to insure that negative impacts caused by the Work are minimized.
- 4.2 Equipment: All equipment shall be operated within the boundaries of the Project Site and be prohibited from operating within vegetated wetlands external to the Project Site. All equipment shall be in satisfactory operating condition, capable of efficiently performing the Work as set forth in the Plans and these Specifications, and shall be subject to inspection by the Engineer or Resident Project Representative at all times.
- 4.2.1 Mechanical Dredge: The equipment used to dredge the crevasses shall be a mechanical bucket dredge type only. The Contractor shall determine and select the most appropriate size of the dredge with the highest priorities being completion within the specified dredging contract time. Other factors to be considered shall include safety, the environment, depth of draft, etc.
- 4.2.1.1 Equipment Data Sheet: The Equipment Dredge Data Sheet in Appendix I shall be included in the Work Plan for each mechanical bucket dredge that is proposed to perform the Work. Submittal of an Equipment Data Sheet shall constitute a certification that the described equipment is available to, and under control of, the Contractor. The data is pertinent to the evaluation of the proposed dredges and their capability to perform the Work. The Contractor may omit data or information that is considered to be proprietary.
- 4.2.1.2 Dredging Limits: Dredging of the crevasses shall only occur within the limits shown on the Plans. The Contractor will be required to pay any costs, fines, or other expenses related to dredging outside of the permitted boundaries of the crevasses. Otherwise, the Owner reserves the right to make deductions to payments and the Contractor's bond.
- 4.2.1.3 Materials: The materials to be dredged may consist of gravel, sand, silt, clay, muck and shells. Other debris such as logs, stumps, snags, tires and scrap which are encountered shall be removed and properly disposed of by the Contractor at no pay.
- 4.2.2 Other Equipment: The Equipment Data Sheet in Appendix I shall be submitted in the Work Plan for all other pieces of heavy equipment proposed to perform the Work other than the hydraulic dredge (I.E., marsh buggies, boosters, tenders, etc.).

- 4.3 Navigation Depths: It is the responsibility of the Contractor to select equipment that can navigate the river passes to the crevasse without dredging an access channel. The equipment shall remain floating at all times during the Work. Navigable waterways shall not be impaired except as allowed by applicable laws or regulations. The Contractor shall obtain NOAA Nautical Charts and/or other available data, and conduct field reconnaissance to become familiar with the depths in the vicinity of the Project Site. The Contractor is responsible for contacting the owners of any pipelines that will be crossed by equipment.
- 4.4 Placement of Dredged Material: Material dredged from the crevasses shall be placed within the mechanical dredge placement areas as shown on the Plans. The maximum fill elevation of the placement areas is +6.0 feet NAVD88. Those portions of the mechanical dredge placement areas which are in non-compliance with the Plans and Specifications shall be regraded and resurveyed for Acceptance. The Contractor shall be responsible for the restoration of any damages to adjacent wetlands or water bodies.
- 4.5 Acceptance: The crevasses and placement areas shall be accepted by the Engineer if the process surveys show compliance with the lines, grades and dimensions shown on the Plans. The Engineer may require that the crevasses and placement areas be reworked and resurveyed in order to gain Acceptance.
- 4.6 Measurement and Payment: Payment for removal of dredge of material will be made at the Contract unit price per cubic yard dredged from the crevasses for Bid Item No. 3, "Dredging". Price and payment shall constitute full compensation for furnishing all equipment, labor, and material necessary to dredge the crevasse and place the dredged material into the hydraulic placement areas. The Contractor may request partial payment on a monthly basis per each crevasse that is accepted.

END OF PART III – TECHNICAL SPECIFICATIONS

APPENDIX A: REQUEST FOR INFORMATION FORM

Delta Wide Crevasses Maintenance Project MR-09
Request for Information (RFI)

DATE:

RFI Number:

Summary of RFI by Contractor

Response to RFI by EngineerSignature: _____

APPENDIX B: CHANGE ORDER FORM

CHANGE ORDER NO. __

OWNER: State of Louisiana, Coastal Protection & Restoration Authority
CONTRACTOR _____
PROJECT: Delta Wide Crevasses Maintenance Project (MR-09)
FILE NO: _____
SOLICITATION NO: _____
ENGINEER: Peter Hopkins

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

-

Description: See attached summary.

Attachments (list documents supporting change):

-

Change in Contract Price		Change in Contract Time	
Original Contract Price		Original Contract Time (calendar days)	
Net Increase /(Decrease) from previous Change Orders		Net Increase /Decrease from previous Change Orders (days)	
Contract Price prior to this Change Order		Contract Time prior to this Change Order (calendar days)	
Net Increase/(Decrease) of this Change Order		Net Increase (Decrease) of this Change Order (days)	
Contract Price with this Change Order		Contract Time with this Change Order (calendar days)	

RECOMMENDED:

By: _____
Engineer
Date: _____

RECOMMENDED:

By: _____
CPRA Construction Manager
Date: _____

ACCEPTED:

By: _____
Contractor
Date: _____

DELTA WIDE CREVASSES MAINTENANCE PROJECT (MR-09)

FILE NO: _____, PURCHASE ORDER NO: _____

SUMMARY OF CHANGE ORDER NO: _____

ITEM NO.	DESCRIPTION	UNIT	ORIGINAL QUANTITY	ADJUSTED QUANTITY	UNIT PRICE	AMOUNT OVERRUN	AMOUNT UNDERRUN
Net Increase of this Change Order							

Justification:

-

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

APPENDIX C: RECOMMENDATION OF ACCEPTANCE FORM

ATTACHMENT A4

❖ NOT FOR RECORDATION PURPOSES ❖

RECOMMENDATION OF ACCEPTANCE

TO: Coastal Protection and Restoration Authority
450 Laurel Street, Suite 1501
Baton Rouge, LA 70801

FROM: _____

Design Firm Name and Address

DATE: _____

PROJECT NAME & NUMBER: _____

SITE CODE: _____ STATE ID: _____ CFMS: _____

CONTRACTOR: _____

ORIGINAL CONTRACT AMOUNT: \$ _____

FINAL CONTRACT AMOUNT: \$ _____

DATE OF ACCEPTANCE: _____

CONTRACT DATE OF COMPLETION: _____

NUMBER OF DAYS (OVERRUN) (UNDERRUN) (As of Acceptance Date) _____

LIQUIDATED DAMAGES PER DAY STIPULATED IN CONTRACT \$ _____

VALUE OF PUNCH LIST \$ _____ (Attach
punch list)

Signed: _____
DESIGNER

FOR USE OF PROJECT MANAGER:

Signed: _____
PROJECT MANAGER

❖ NOT FOR RECORDATION PURPOSES ❖

APPENDIX D: LANDRIGHTS



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Southeast Louisiana Refuges
Atchafalaya, Bayou Sauvage, Bayou Teche, Breton,
Big Branch Marsh, Bogue Chitto, Delta, and Mandalay
61389 Hwy 434
Lacombe, Louisiana 70445

July 8, 2013

Kyle Breaux
Coastal Protection and Restoration Authority
2045 Lakeshore Drive
New Orleans, LA 70065

Dear Mr. Breaux:

We received the drawings to create four new crevasses on Delta National Wildlife Refuge in association with the Delta Wide Crevasses (MR-09) Project. We grant the State of Louisiana, Coastal Protection & Restoration Authority a right of entry, including ingress and egress, to perform this work and place dredge material on the refuge in accordance with drawings 3A, 4A, 5A and 6A of 17 (attached). Contactors shall coordinate with our office prior to mobilization once the final construction awards have been made.

Respectfully,

Neil Lalonde
Wildlife Refuge Manager
Delta National Wildlife Refuge

Enclosure

FEATURE COORDINATES

POINT	LONGITUDE	LATITUDE
A	89° 13' 56.11"	29° 15' 47.79"
B	89° 13' 51.01"	29° 15' 38.86"
C	89° 13' 50.45"	29° 15' 37.54"
D	89° 14' 17.31"	29° 15' 02.16"
E	89° 14' 19.80"	29° 15' 01.90"
F	89° 14' 21.12"	29° 15' 03.18"
G	89° 14' 24.54"	29° 15' 04.67"
H	89° 14' 25.11"	29° 15' 06.63"
I	89° 14' 23.59"	29° 15' 08.66"
J	89° 14' 23.59"	29° 15' 11.05"
K	89° 14' 26.71"	29° 15' 15.12"
L	89° 14' 27.85"	29° 15' 15.80"
M	89° 14' 30.97"	29° 15' 16.70"
N	89° 14' 35.92"	29° 15' 19.48"
O	89° 14' 36.84"	29° 15' 20.48"

MECHANICAL DREDGE MATERIAL
PLACEMENT (OPTION A)

HYDRAULIC DREDGE MATERIAL
PLACEMENT (OPTION B)

PIPELINE
CORRIDOR

MAIN PASS

LEGEND

-  LIMITS OF DREDGING
-  MECHANICAL DREDGE MATERIAL PLACEMENT (OPTION A)
-  HYDRAULIC DREDGE MATERIAL PLACEMENT (OPTION B)
-  PIPELINES
-  BASELINE
-  CONTOUR

NOTES:

1. THE CREVASSE SHOWN ON PLANS DEPICTS THE BOTTOM WIDTH OF CUT.
2. BACKGROUND AERIAL IMAGES SHOWN ON THE PLANS WERE TAKEN IN 2012.
3. THE CUT VOLUME OF THE CREVASSE EQUALS 180,314 CUBIC YARDS.
4. FOR THE DREDGE MATERIAL PLACEMENT, THE CONTRACTOR WILL CHOOSE EITHER OPTION A OR OPTION B.
5. DREDGE MATERIAL SHALL BE DISCHARGED TO OPEN WATER AND NOT EXISTING WETLANDS.



APPLICATION BY:

LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES
2000 JUNE DRIVE
BATON ROUGE, LA 70808

COASTAL PROTECTION AND
RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DELTA-WIDE CREVASSES
PROJECT

CREVASSE MP-1
LAYOUT

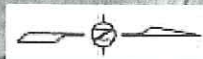
DRAWN BY: SHANE FAUST

DESIGNED BY: KYLE BREUX, E.I.

APPROVED BY: TOM BERNARD, P.E.

STATE PROJECT NUMBER: MR-09
FEDERAL PROJECT NUMBER: MR-09

DATE: MOD - JUNE 2013
SHEET 3A OF 17



FEATURE COORDINATES		
POINT	LONGITUDE	LATITUDE
A	89° 14' 24.69"	29° 14' 28.84"
B	89° 14' 13.55"	29° 14' 30.41"
C	89° 13' 57.05"	29° 14' 30.40"
D	89° 13' 51.32"	29° 14' 28.46"

CREVASSE MP-3

4 1/2'

150.0' (TYP.)

800.0'

1000.0'

PIPELINE
CORRIDOR

MECHANICAL DREDGE
MATERIAL PLACEMENT
(OPTION A)

HYDRAULIC DREDGE MATERIAL
PLACEMENT (OPTION B)

MAIN PASS



LEGEND	
	LIMITS OF DREDGING
	MECHANICAL DREDGE MATERIAL PLACEMENT (OPTION A)
	HYDRAULIC DREDGE MATERIAL PLACEMENT (OPTION B)
	PIPELINES
	BASELINE
	CONTOUR

- NOTES:
1. THE CREVASSE SHOWN ON PLANS DEPICTS THE BOTTOM WIDTH OF CUT.
 2. BACKGROUND AERIAL IMAGES SHOWN ON THE PLANS WERE TAKEN IN 2012.
 3. THE CUT VOLUME OF THE CREVASSE EQUALS 180,843 CUBIC YARDS.
 4. FOR THE DREDGE MATERIAL PLACEMENT, THE CONTRACTOR WILL CHOOSE EITHER OPTION A OR OPTION B.
 5. DREDGE MATERIAL SHALL BE DISCHARGED TO OPEN WATER AND NOT EXISTING WETLANDS.

APPLICATION BY:

LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES
2000 QUAIL DRIVE
BATON ROUGE, LA 70808

COASTAL PROTECTION AND
RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DELTA-WIDE CREVASSES
PROJECT

CREVASSE MP-3
LAYOUT

STATE PROJECT NUMBER: MR-09

DATE: MOD - JUNE 2013

DRAWN BY: SHANE FAUST

DESIGNED BY: KYLE BREAU, E.I.

APPROVED BY: TOM BERNARD, P.E.

FEDERAL PROJECT NUMBER: MR-09

SHEET 4A OF 17

BASELINE COORDINATES		
POINT	LONGITUDE	LATITUDE
A	89° 14' 01.71"	29° 12' 19.49"
B	89° 13' 57.79"	29° 12' 17.54"

MECHANICAL DREDGE MATERIAL PLACEMENT (OPTION A)

CREVASSE OP-4

150.0' (TYP.)

OCTAVE PASS

SHELL 16" PIPELINE



- NOTES:
1. THE CREVASSE SHOWN ON PLANS DEPICTS THE BOTTOM WIDTH OF CUT.
 2. BACKGROUND AERIAL IMAGES SHOWN ON THE PLANS WERE TAKEN IN 2010.
 3. THE CUT VOLUME OF THE CREVASSE EQUALS 73,398 CUBIC YARDS.
 4. FOR THE DREDGE MATERIAL PLACEMENT, THE CONTRACTOR WILL CHOOSE EITHER OPTION A OR OPTION B.
 5. DREDGE MATERIAL SHALL BE DISCHARGED TO OPEN WATER AND NOT EXISTING WETLANDS.

LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES
200 OULLE DRIVE
BATON ROUGE, LA 70808

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: SHAHE FAUST

DESIGNED BY: KYLE BREAU, E.I.

APPROVED BY: TOM BERNARD, P.E.

DELTA-WIDE CREVASSES PROJECT

CREVASSE OP-4 LAYOUT

STATE PROJECT NUMBER: MR-08

DATE: MOD - JUNE 2013

FEDERAL PROJECT NUMBER: MR-09

SHEET 5A OF 17

LIMITS OF DREDGING

MECHANICAL DREDGE MATERIAL PLACEMENT (OPTION A)

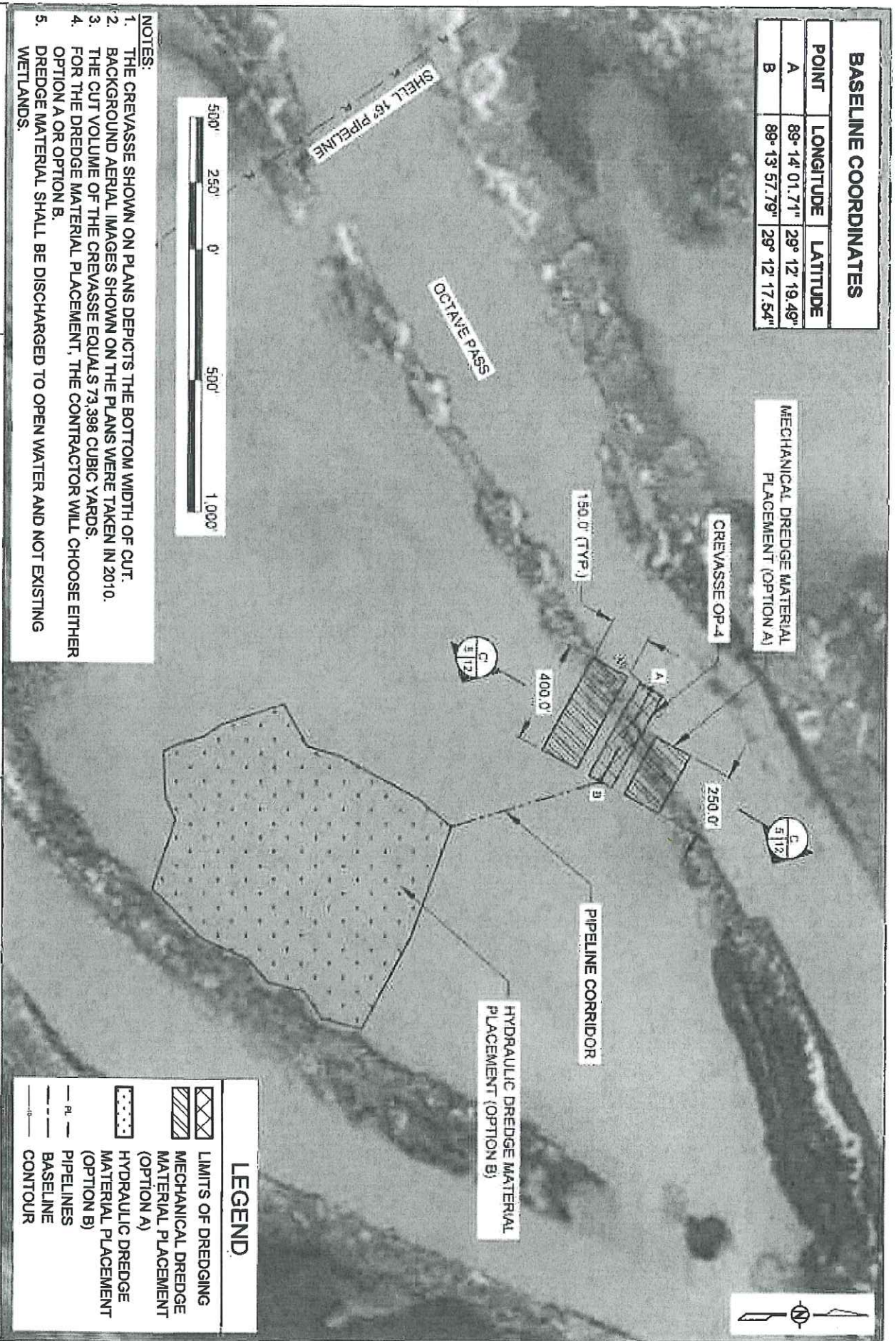
HYDRAULIC DREDGE MATERIAL PLACEMENT (OPTION B)

PIPELINES

BASELINE

CONTOUR

LEGEND



FEATURE COORDINATES		
POINT	LONGITUDE	LATITUDE
A	89° 15' 03.40"	29° 12' 03.26"
B	89° 14' 59.20"	29° 12' 10.71"
C	89° 15' 02.15"	29° 12' 04.37"
D	89° 14' 43.26"	29° 12' 08.87"
E	89° 14' 43.18"	29° 12' 10.53"
F	89° 14' 35.73"	29° 12' 21.98"
G	89° 14' 29.03"	29° 12' 28.59"
H	89° 14' 25.96"	29° 12' 32.48"
I	89° 14' 12.58"	29° 12' 41.28"

- NOTES:**
1. THE CREVASSE SHOWN ON PLANS DEPICTS THE BOTTOM WIDTH OF CUT.
 2. BACKGROUND AERIAL IMAGES SHOWN ON THE PLANS WERE TAKEN IN 2012.
 3. THE CUT VOLUME OF THE CREVASSE EQUALS 219,316 CUBIC YARDS.
 4. FOR THE DREDGE MATERIAL PLACEMENT, THE CONTRACTOR WILL CHOOSE EITHER OPTION A OR OPTION B.
 5. DREDGE MATERIAL SHALL BE DISCHARGED TO OPEN WATER AND NOT EXISTING WETLANDS.

LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES
2000 GUALE DRIVE
BATON ROUGE, LA 70808

COASTAL PROTECTION AND RESTORATION AUTHORITY
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: SHANE FAUST

DESIGNED BY: KYLE BREAU, E.I.

APPROVED BY: TOM BERNARD, P.E.

STATE PROJECT NUMBER: MR-08
FEDERAL PROJECT NUMBER: MR-09

DELTA-WIDE CREVASSES PROJECT

CREVASSE OP-5 LAYOUT

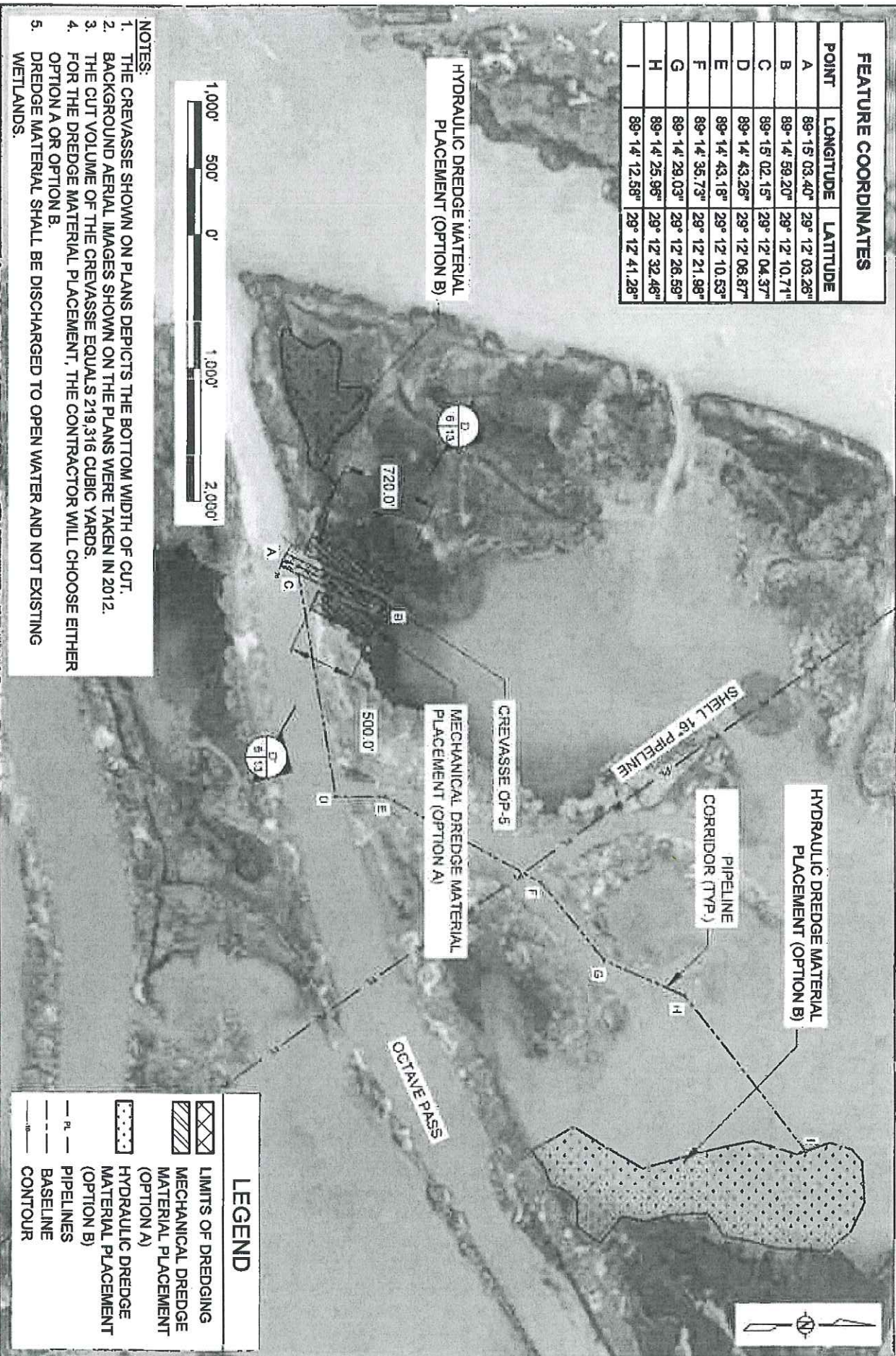
DATE: MOD - JUNE 2013

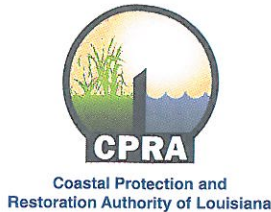
SHEET 8A OF 17



LEGEND

- LIMITS OF DREDGING
- MECHANICAL DREDGE MATERIAL PLACEMENT (OPTION A)
- HYDRAULIC DREDGE MATERIAL PLACEMENT (OPTION B)
- PIPELINES
- BASELINE
- CONTOUR





State of Louisiana

BOBBY JINDAL
GOVERNOR

July 22, 2013

Mr. Robert J. Barham, Secretary
Department of Wildlife and Fisheries
Post Office Box 98000
Baton Rouge, La. 70898-9000

RE: Letter Agreement
Delta Wide Crevasses Project MR-09
Plaquemines Parish, Louisiana

Dear Mr. Barham:

When accepted by you, this letter shall constitute an agreement (the Agreement) by and between the Louisiana Coastal Protection and Restoration Authority (CPRA) and the Louisiana Department of Wildlife and Fisheries (LDWF) whereby LDWF authorizes CPRA and its assigns to conduct construction and maintenance operations for the Delta Wide Crevasses Project MR-09 (Project) on the Pass-A-Loutre Wildlife Management Area (PWMA).

LDWF has no objection to CPRA, or its assigns, proceeding with the proposed Project for the purposes authorized by Federal (16 U.S.C. 3951, et seq.) and State (R.S. 49:213-214) law within the Project area shown on Exhibit A, provided, however, that CPRA complies with the following stipulations:

1. CPRA shall abide by LDWF PWMA Wildlife Management Area Fishing Regulations and Hunting Regulations.
2. This Agreement pertains to areas and activities as shown on Exhibit A, all within the LDWF PWMA, attached hereto and made a part hereof.
3. Prior to any activities on the WMA, CPRA shall contact Mr. Todd Baker or his assign(s) (WMA Biologist Program Manager), at (337) 373-0032, to coordinate Project details. In the event any change or condition should develop that affects the WMA and that would affect CPRA's ability to perform the activities granted under this Agreement, LDWF and CPRA agree to contact each other. Detailed contact information for both LDWF and CPRA is set forth in the attached Exhibit B.
4. All equipment and routes shall be approved by the WMA Biologist Program Manager or his assigns.
5. No activities will be allowed within 1500 feet of nesting bird colonies unless approved by the WMA Biologist Program Manager or his assigns.
6. It shall be the responsibility of CPRA to repair any damages which may occur as a result of the Project.

7. CPRA agrees to defend, indemnify and hold LDWF harmless from and against any and all claims, demands, expense and liability arising out of injury or death to any person or the damage, loss or destruction of any property which may occur or in any way grow out of the proposed Project.
8. No activities will be allowed during waterfowl over-wintering seasons unless approved by LDWF.
9. This agreement allows CPRA to make minor modifications to the Project, but only insofar as changes pertain to materials for project features and minor changes to project features locations, as may be deemed necessary to fully and properly implement and maintain the Project. Further, CPRA will notify LDWF of such modifications and allow LDWF to comment on the modifications prior to the implementation of such modifications, and shall, when practicable, consider and include any comments by LDWF. LDWF and CPRA acknowledge that LDWF shall make all determinations for access to and production from mineral leases within the project area, including, if necessary, modifications to project structures which will be made at the sole expense of the mineral lease holder, and which will be designed by LDWF and lease holder in a manner which will not compromise the integrity of the project.
10. CPRA is responsible for all maintenance and repair of all project features. In the event LDWF notifies CPRA that project features require maintenance or repair, CPRA will provide such maintenance or repair in a time frame that ensures that the objectives of the project are not compromised.
11. CPRA will provide a fulltime, on-site construction inspector to ensure compliance with the project plans, specs, and the terms and conditions of this Agreement. If, in the opinion of LDWF, CPRA's operations conflict with the plans, specs and/or the terms of this Agreement, LDWF shall contact CPRA, fully describing what is in conflict. CPRA will immediately contact the contractor to remedy said conflict. If the conflict is not remedied to LDWF's satisfaction within two (2) days, LDWF may suspend CPRA's operations until such time that conflict can be appropriately addressed and remedied.
12. In the event any change or condition should develop that affects the WMA and that would affect CPRA's ability to perform the activities granted under this Agreement, LDWF and CPRA agree to contact each other, as set forth in Exhibit B.

This Agreement shall become effective upon the signature of LDWF and shall remain in effect for twenty-five (25) years, unless sooner released by CPRA.

CPRA may assign or transfer, in whole or in part, any or all of its rights hereunder, but only to the extent necessary to implement the purposes of the Project on the said Lands.

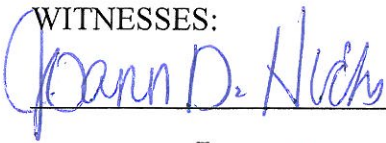
This Agreement shall be binding upon, and inure to the benefit of, the parties hereto, their successors in interest, transferees and assigns.

If the foregoing accurately reflects the agreement between CPRA and LDWF relative to the referenced Project activities on the WMA, please evidence your approval by signing the five (5) originals and returning four (4) executed originals to this office. The documents will be recorded in the public records of Plaquemines Parish and a certified duplicate will be returned to your office upon completion. Thank you for your cooperation in this matter.

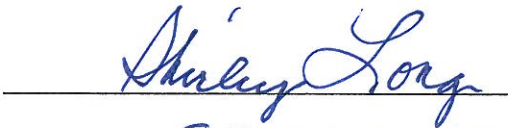
Thank you for your cooperation in this matter.

Very truly yours,

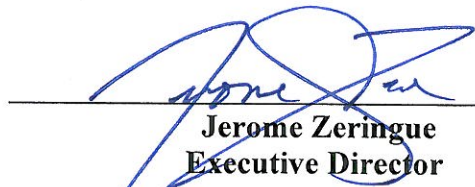
WITNESSES:



Print Name: **Joann D. Hicks**



Print Name: **SHIRLEY LONG**



Jerome Zeringue
Executive Director

**COASTAL PROTECTION AND
RESTORATION AUTHORITY**

ACCEPTED AND APPROVED THIS 8th DAY OF August 2013.

WITNESSES:

**LOUISIANA DEPARTMENT OF WILDLIFE
AND FISHERIES**

Wendy Bryn

Print Name: Wendy Bryn

Lana A. Givens

Print Name: Lana A. Givens

By:  8-8-13
Robert J. Barham

Title: Secretary

ACKNOWLEDGMENT

STATE OF LOUISIANA

PARISH OF EAST BATON ROUGE

BEFORE ME, the undersigned authority, duly commissioned and qualified in and for said Parish and State aforesaid, on this 26th day of July, 2013, personally came and appeared **Jerome Zeringue**, to me known, who declared that he is the **Executive Director** of the **Coastal Protection and Restoration Authority, State of Louisiana**, that he executed the foregoing instrument on behalf of said State Agency and that the instrument was signed pursuant to the authority granted to him by said State Agency and that he acknowledged the instrument to be the free act and deed of said State Agency.



OFFICIAL SEAL
Clifton O. Bingham, Jr.
BAR ROLL # 03052
STATE OF LOUISIANA
My Commission is for Life


Print: **Clifton O. Bingham, Jr.**
NOTARY PUBLIC

Notary Number: _____
My commission expires: _____
(SEAL)

ACKNOWLEDGMENT

STATE OF LOUISIANA

PARISH OF EAST BATON ROUGE

BEFORE ME, the undersigned authority, duly commissioned and qualified in and for said Parish and State aforesaid, on this 9th day of August, 2017, personally came and appeared **Robert J. Barham**, to me known, who declared that he is the **Secretary** of the **Department of Wildlife and Fisheries, State of Louisiana**, that he executed the foregoing instrument on behalf of said State Agency and that the instrument was signed pursuant to the authority granted to him by said State Agency and that he acknowledged the instrument to be the free act and deed of said State Agency.

Print: _____

Notary Number: _____
My commission expires: _____
(SEAL)

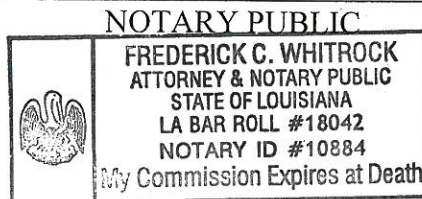
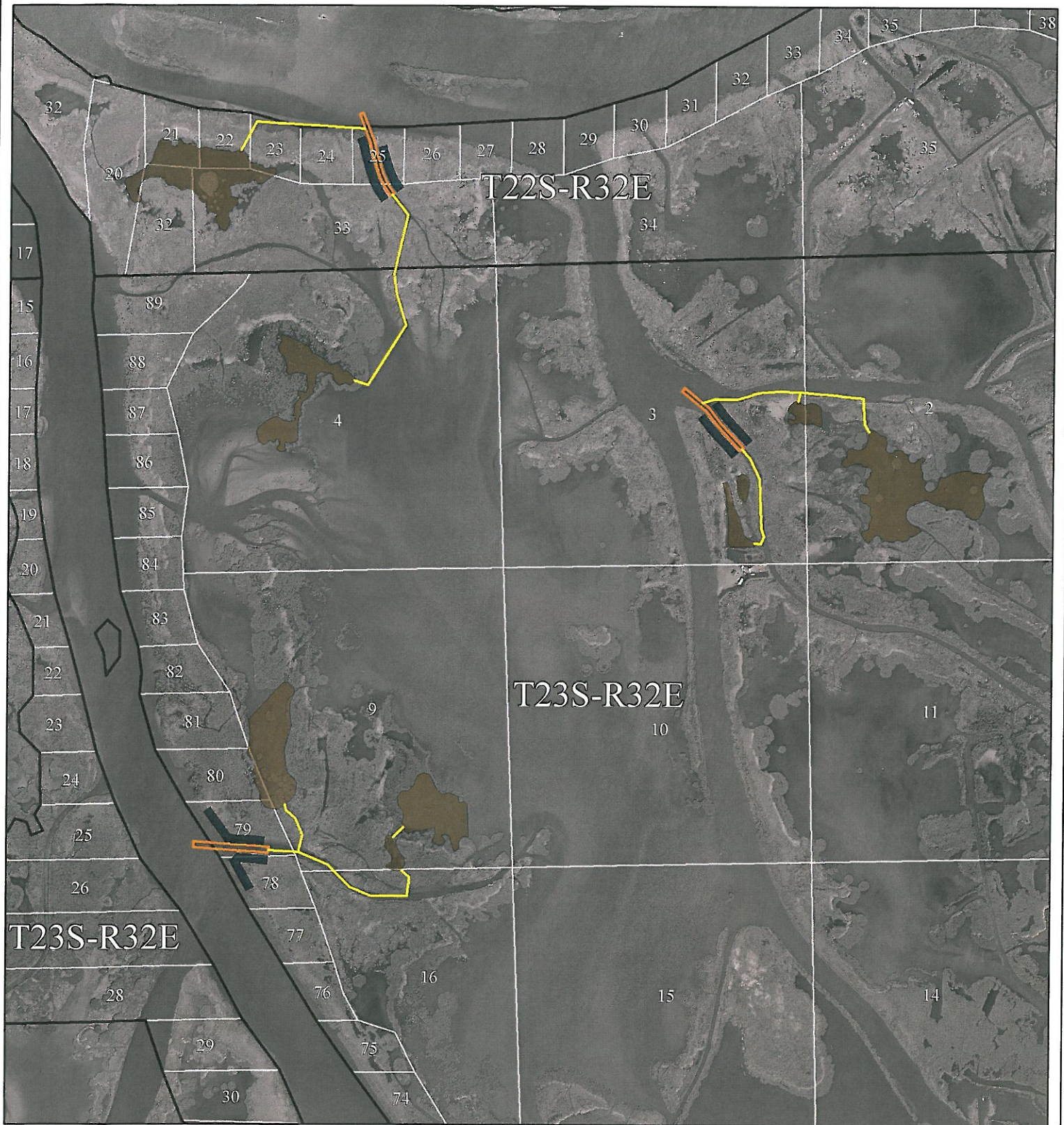


EXHIBIT A



Delta Wide Crevasses Project MR-9

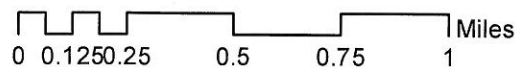
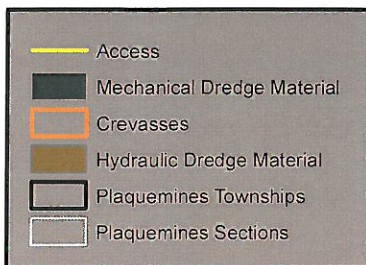


EXHIBIT B

CONTACT INFORMATION FOR LDWF AND CPRA

Attached to, and made a part hereof, that Letter Agreement for the Delta Wide Crevasses Project MR-09 on the Pass-A-Loutre Wildlife Management Area (PWMA), dated _____, by and between the Louisiana Department of Wildlife & Fisheries (LDWF) and the Louisiana Coastal Protection and Restoration Authority (CPRA).

LDWF CONTACT INFORMATION:

Todd Baker
Biologist Program Manager
LDWF/Coastal and Non-Game Resources Division
2415 Darnall Rd.
New Iberia LA 70560
Phone: (337-373-0032)
tbaker@wlf.la.gov

Other contact information/ requirements:

CPRA CONTACT INFORMATION:

FOR LETTER AGREEMENT ISSUES, CONTACT THE CPRA LAND SECTION:

LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY
CPRA Land Section
Attention: Benjamin Barnes, Land Specialist
P.O. Box 44027
Baton Rouge, LA 70804-4027
Phone: (225) 342-5068
e-mail address: Benjamin.Barnes@la.gov

FOR TECHNICAL ISSUES REGARDING THE PROJECT, INCLUDING: CONSTRUCTION EQUIPMENT, PROJECT FEATURES, SITE VISITS, ETC., CONTACT THE CPRA PROJECT MANAGEMENT SECTION:

LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY
CPRA, New Orleans Regional Office
Kyle Breaux / Operations Project Manager
2045 Lakeshore Dr.
New Orleans, LA 70122
Phone: (504) 280-1005
e-mail address: Kyle.Breaux@la.gov

APPENDIX E: PERMITS OBTAINED BY OWNER



State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

AUG 01 2013

Louisiana Coastal Protection & Restoration Authority
450 Laurel Street, Suite 1200
Baton Rouge, LA 70801

Attention: Sydney Dobson, Agent for Louisiana Department of Wildlife and Fisheries

RE: Water Quality Certification (WQC 130723-01/AI 188207/CER 20130001)
Corps of Engineers Permit (MVN-2013-1658-ETT)
Plaquemines Parish

Dear Mr. Dobson:

We have received notice of your application for a Corps of Engineers 404 Permit to dredge and place spoil material for coastal marsh creation, at various locations in the vicinity of Venice, Louisiana. Prior to processing the certificate, this office requires:

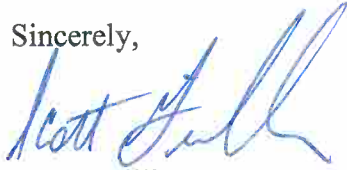
- 1. Assurance that any excavated material will be, to the best of your knowledge, free of contaminants and/or will be disposed of in an approved landfill.**
- 2. A non-commercial processing fee of \$33.00.**

Be sure to include our reference number (WQC 130723-01/AI 188207) on all responses. Please send all correspondence and your check or money order made payable to the Louisiana Department of Environmental Quality to the following address:

Louisiana Department of Environmental Quality
Water Permits Division
P.O. Box 4313
Baton Rouge, LA 70821-4313
Attn: Water Quality Certifications

If we haven't received this information within 30 days from the date of this letter, your application will be considered inactive. If you have any questions, please call Blake Perkins at 225-219-3540.

Sincerely,



Scott Guilliams
Administrator
Water Permits Division

SG/bmp

c: Corps of Engineers- New Orleans District



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
1315 East-West Highway
Silver Spring, Maryland 20910

JUN 19 2013

MEMORANDUM FOR:

THE RECORD

FROM:

Christopher D. Doley
Chief, F/HC3

SUBJECT:

Categorical Exclusion for Delta Wide Crevasses Project,
Plaquemines Parish, Louisiana CWPPRA (MR-09)

NOAA Administrative Order (NAO) 216-6, Environmental Review Procedures, requires that all proposed Federal projects be reviewed for their environmental consequences on the human environment. This memo summarizes the determination that the construction and maintenance for cycle 3 of the Delta Wide Crevasses project (constructed in 1999 and maintained in 2005) qualifies to be categorically excluded from further NEPA review.

Description of Action:

The proposed project was authorized for funding under the Coastal Wetland Planning, Protection and Restoration Act (Pub. L. No. 101-646, title III - CWPPRA) enacted into law in 1990. NOAA Fisheries provided funding via cooperative agreement NA0NMF4630652 to the Coastal Protection and Restoration Authority of Louisiana. The proposed project is a continuation of the construction of new crevasse splays and maintenance of crevasse splays constructed under this project in 1999 and 2005 in Plaquemines Parish to the southeast of Venice, Louisiana in the Mississippi River Delta. These activities were categorically excluded from further NEPA review in 1998 and 2003. The project is located in the Pass-A-Loutre Wildlife Management Area (PALWMA) and the Delta National Wildlife Refuge (DNWR) as authorized in the original project plan approved by the CWPPRA Task Force. The PALWMA covers 66,000 ac (26,709 ha) between Pass-A-Loutre and South Pass and is owned and managed by the Louisiana Department of Wildlife and Fisheries (LDWF). The DNWR covers 48,000 ac (19,425 ha) from just north of Main Pass southward to Pass-A-Loutre and is owned and managed by the U.S. Fish and Wildlife Service (USFWS). Both agencies reviewed and concurred with the proposed activity and were actively engaged in identifying the specific sites for crevasse splays either requiring maintenance or construction.

Sustaining original project goals, the proposed third cycle of this project would utilize a major process of subaerial land creation, *i.e.* the formation of crevasses. Crevasses are breaks in the natural levee that allow overbank deposition of sediments to occur in adjacent receiving bays. This deposition of sediments causes land formation that is controlled by the processes of water velocity and volume in concert with the sediment load it carries. Crevasse splay construction and maintenance involves the removal, via mechanical (bucket) or hydraulic dredging, of a relatively small amount of marsh (or subtidal, largely sand-mud in the case of maintenance) material used beneficially for marsh creation and to allow a greater extent of marsh to accrete in the receiving area.



Effects of the Action:

The original project has been monitored since 1999, therefore the proposed project, as cycle 3 of the original project, has no unique or unknown risks. Both the original project goals and results of the project to-date have been considered in the development of the current maintenance and construction event. The proposed project would impact 3.6 acres of wetlands and 11.5 acres of non-vegetated water bottom. Approximately 40 acres of marsh would be created by the proposed action. Aerial data and elevation surveys show the project has created 499 of land for fresh marsh as intended from the previously constructed components for which the proposed action is the continuation (see Table 1).

Table 1. Land area (acres) for 22 crevasses in the MR-09 project area (source: Louisiana Office of Coastal Protection and Restoration, 2009 OMM Report for Delta Wide Crevasses).

Crevasse	2001	2002	2007	Change	Relative gain/loss	Rate (acres/year)
6	116	150	171	55	47.4%	7.9
7	24	28	30	6	25.0%	0.9
8	5	8	10	5	100%	0.7
9	39	45	45	6	15.4%	0.9
11	116	131	157	41	35.3%	5.9
12	21	28	40	19	90.5%	2.7
15	19	26	26	7	36.8%	1.0
20	28	28	39	11	39.3%	1.6
24	3	4	5	2	66.7%	0.3
27	7	10	29	22	314.3%	3.1
31	67	90	191	124	185.1%	17.7
36	125	136	181	56	44.8%	8.0
38	102	99	181	79	77.5%	11.3
45	47	51	54	7	14.9%	1.0
47	3	5	9	6	200%	0.9
51	21	24	23	2	9.5%	0.3
53	33	36	15	-18	-54.5%	-2.6
54	41	47	57	16	39.0%	2.3
81	10	.	29	19	190%	2.7
CO-2	2	7	19	17	850%	2.4
NC-1	5	6	11	6	120%	0.9
NC-3	6	11	17	11	183.3%	1.6
Totals	840	970	1339	499	59.4%	71.3
Average	38	46	61	23	59.4%	3.2

The NOAA Program Office has evaluated this proposed maintenance and construction event and determined it is unlikely to result in a significant impact in both context and intensity as defined in 40 CFR 1508.27. When assessing these activities, factors present since the last review in 2003 were considered, such as the passage and impacts of hurricanes, the contaminant releases from oil spills and marsh losses due to the Deepwater Horizon Oil Spill, and other activities or changed site conditions in the area that could potentially have a cumulative impact in conjunction with this project. None of these events has changed the site conditions of this project location in a significant way or in a manner

that proposed project activities would present a cumulatively significant impact to the project area. Endangered Species Act and Essential Fish Habitat informal consultations were solicited from the US Fish and Wildlife Service and NOAA Fisheries, as recorded in project files (USFWS letter to NOAA Fisheries 4-30-2013).

The implementation of these proposed activities is similar in intent to the original determinations that were made in the categorical exclusions in 1998 and 2003 and meet the criteria intended for use in Categorical Exclusions for Restoration Actions (specifically 6.03b.2(a)).

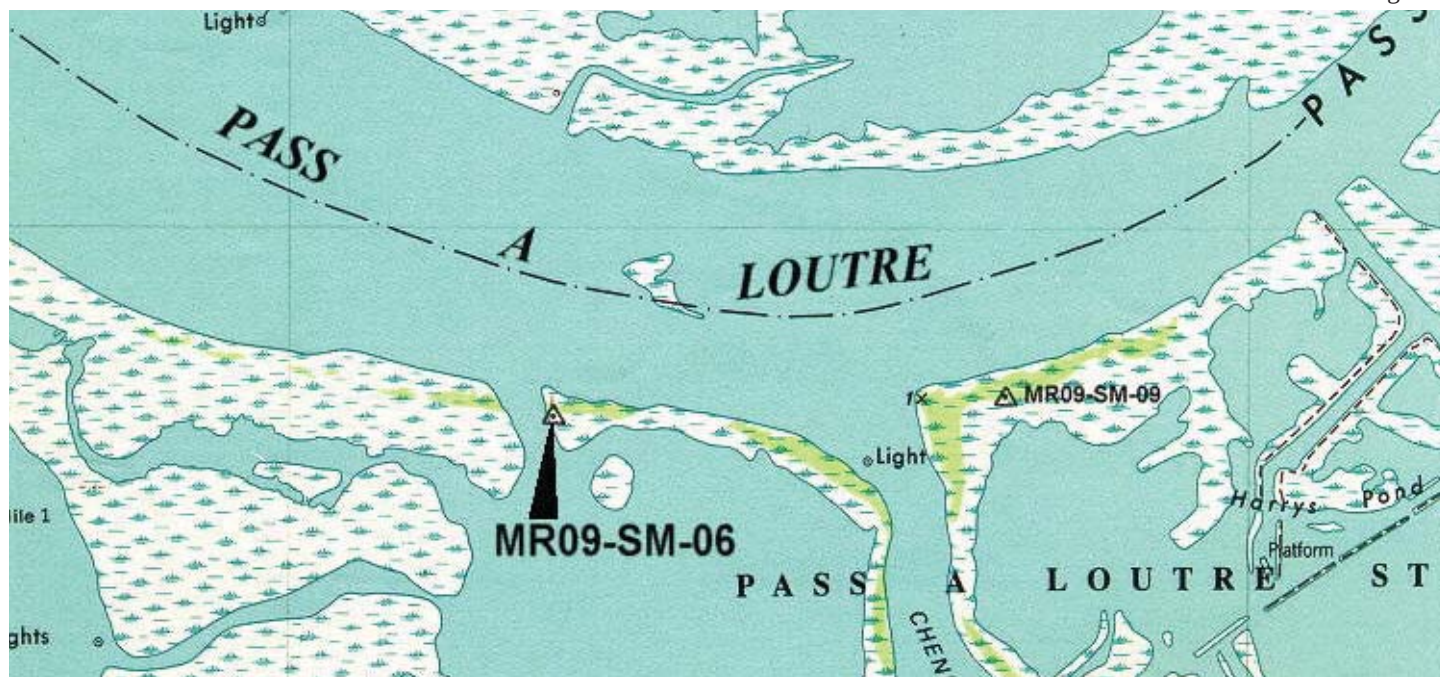
Categorical Exclusion:

This action would not result in any changes to the human environment. As defined in Sections 5.05 and 6.03b.2(a) of NAO 216-6, the proposed work is intended to restore an ecosystem, habitat, biotic community, or population of living resources to a determinable pre-impact condition. As such, it is categorically excluded from the need to prepare an Environmental Assessment. This memorandum will remain in the project files.

APPENDIX F: DIRECTIONS TO BOAT LAUNCH



APPENDIX G: SECONDARY SURVEY MONUMENT DATA SHEETS



VICINITY MAP

Scale: 1" = 2000'

Reproduced from USC&GS "PASS A LOUTRE WEST, LA" Quadrangle

Station Name: "MR09-SM-06"

Monument Location: By boat from Venice, Louisiana, proceed southeasterly in the Mississippi River for approximately 10 miles to the Head of Passes. Turn left and proceed easterly into Pass a Loutre for approximately 2 miles to the monument on the right.

Monument Description: Deep Rod Monument; standard 3" survey disk set on steel rods and driven 54.5 feet to refusal, set in a PVC pipe and is recessed 0.4 feet below top of PVC pipe.

Date: August, 2002

Monument Established By: Pyburn & Odom, Inc.

For: Louisiana Department of Natural Resources, CRD

P&O Published NAD 83 Geodetic Position

Lat. 29°08.371"N

Long. 89°13.560"W

P&O Published NAVD88 (Feet)

Elevation = 3.94

Adjusted NAD 83 Geodetic Position

Lat. 29° 08' 22.13239"N

Long. 89° 13' 33.85342"W

Adjusted NAD 83 Datum LSZ (1702) Feet

N= 238,749.46

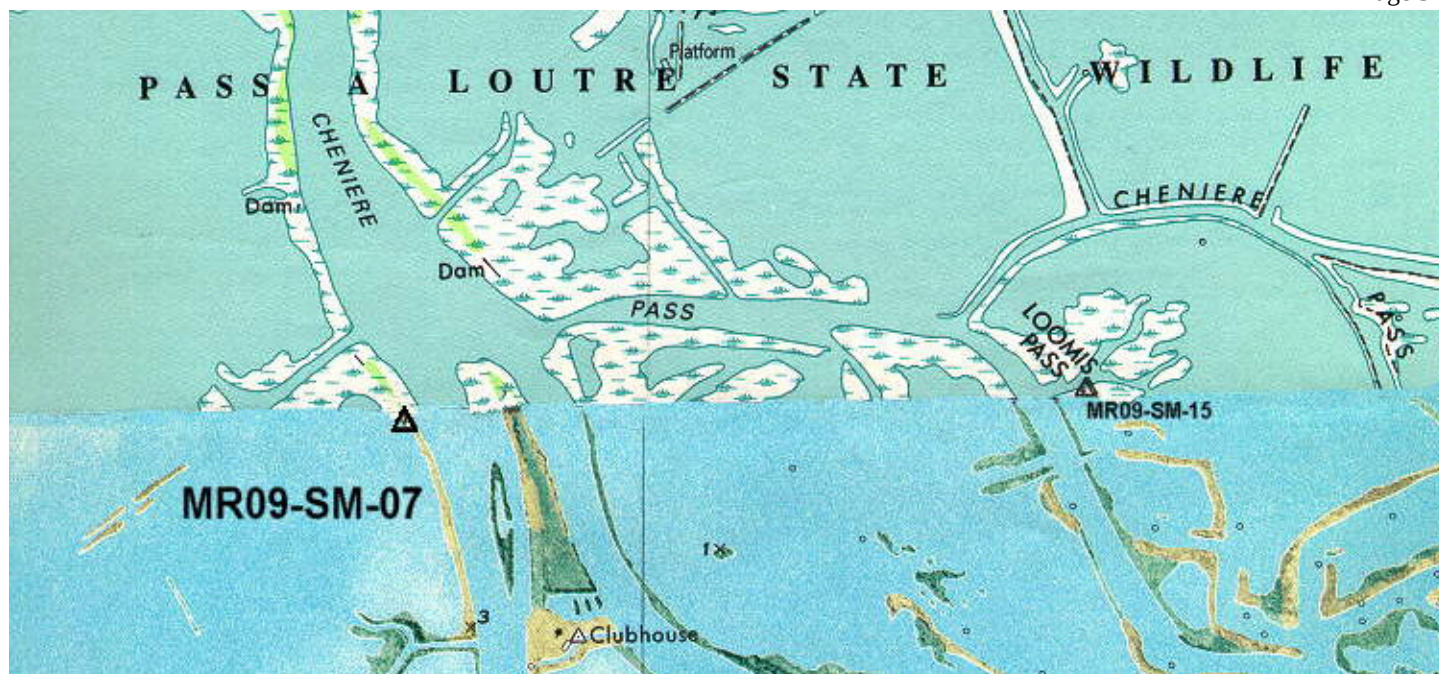
E= 3,953,566.05

Adjusted NAVD88 Height

Elevation = 3.89 ft

Position determined by using Real-time Kinematic (RTK) survey from Secondary GPS Monument "MR09-SM-11"





VICINITY MAP

Scale: 1" = 2000'

Reproduced from USC&GS "PASS A LOUTRE WEST, LA" Quadrangle

Station Name: "MR09-SM-07"

Monument Location: By boat from Venice, Louisiana, proceed southeasterly in the Mississippi River for approximately 10 miles to the Head of Passes. Turn left and proceed easterly into Pass a Loutre for approximately 2.4 miles Cheniere Pass on the right. Turn right and proceed southerly in Cheniere Pass for approximately 1 mile to the monument on the right.

Monument Description: Deep Rod Monument; standard 3" survey disk set on steel rods and driven 66.5 feet to refusal, set in a PVC pipe and is recessed 0.4 feet below top of PVC pipe.

Date: August, 2002

Monument Established By: Pyburn & Odom, Inc.

For: La Department of Natural Resources, CRD

P&O Published NAD 83 Geodetic Position

Lat. 29° 07.502"N

Long. 89° 12.689"W

P&O Published NAVD88 (Feet)

Elevation = 3.56

Adjusted NAD 83 Geodetic Position

Lat. 29° 07' 29.98810"N

Long. 89° 12' 41.56297"W

Adjusted NAD 83 Datum LSZ (1702) Feet

N= 233,568.56

E= 3,958,300.12

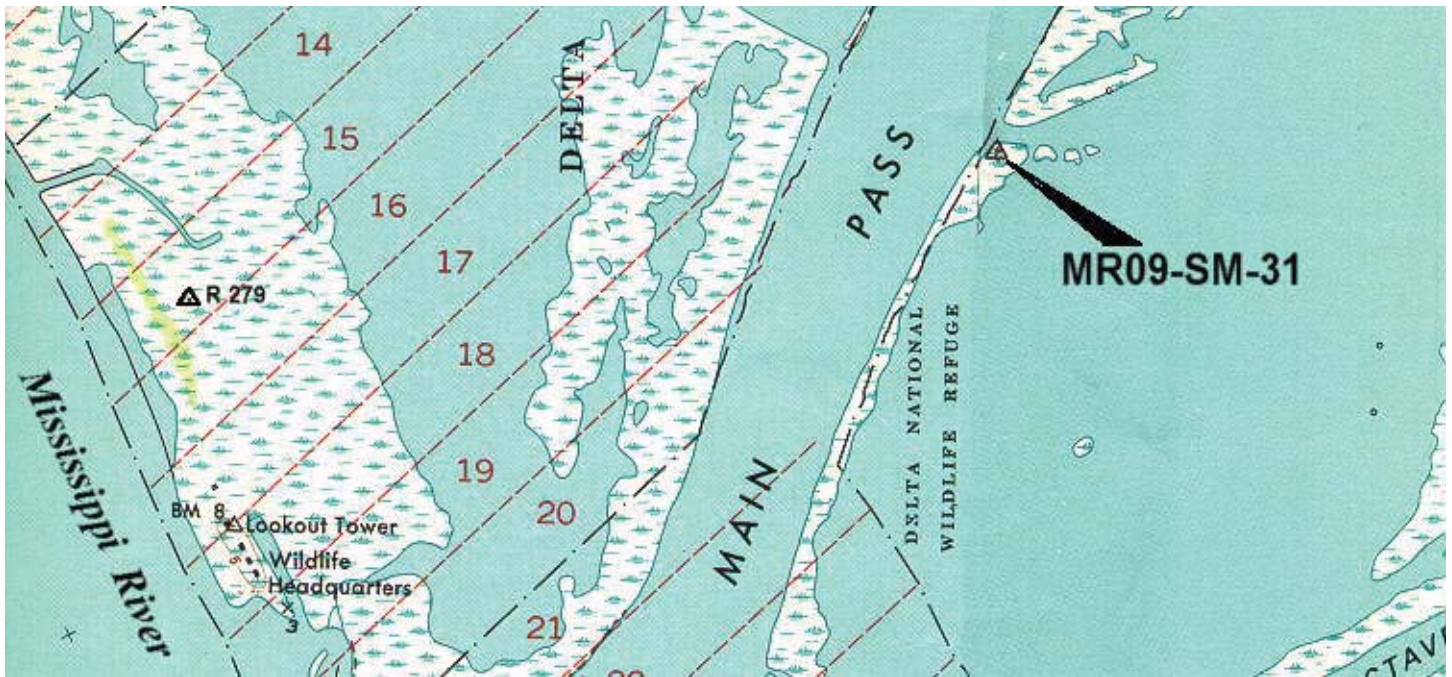
Adjusted NAVD88 Height

Elevation = 3.91 ft



Position determined by using Real-time Kinematic (RTK) survey from Secondary GPS Monument "MR09-SM-11"

Adjusted Position Established by John Chance Land Surveys, Inc. for Louisiana Department of Natural Resources, CRD



VICINITY MAP Scale: 1"=2000' Reproduced from USC&GS "PILOTTOWN & PASS A LOUTRE WEST, LA" Quads

Station Name: "MR09-SM-31"

Monument Location: By boat from Venice, Louisiana, proceed southeasterly in the Mississippi River for approximately 7.4 miles to Cubits Gap at the left. Turn left and proceed easterly though the north of Cubits Gap into Main Pass and continue for 1.5 miles to the monument on the right.

Monument Description: Deep Rod Monument; standard 3" survey disk set on steel rods and driven 52.2 feet to refusal, set in a PVC pipe and is recessed 0.4 feet below top of PVC pipe.

Date: August, 2002

Monument Established By: Pyburn & Odom, Inc.

For: LA Department of Natural Resources, CRD

P&O Published NAD 83 Geodetic Position

Lat. 29° 13.130"N

Long. 89° 14.951"W

P&O Published NAVD88 (Feet)

Elevation = 7.51

Adjusted NAD 83 Geodetic Position

Lat. 29° 13' 07.59626"N

Long. 89° 14' 57.26099"W

Adjusted NAD 83 Datum LSZ (1702) Feet

N= 267,445.51

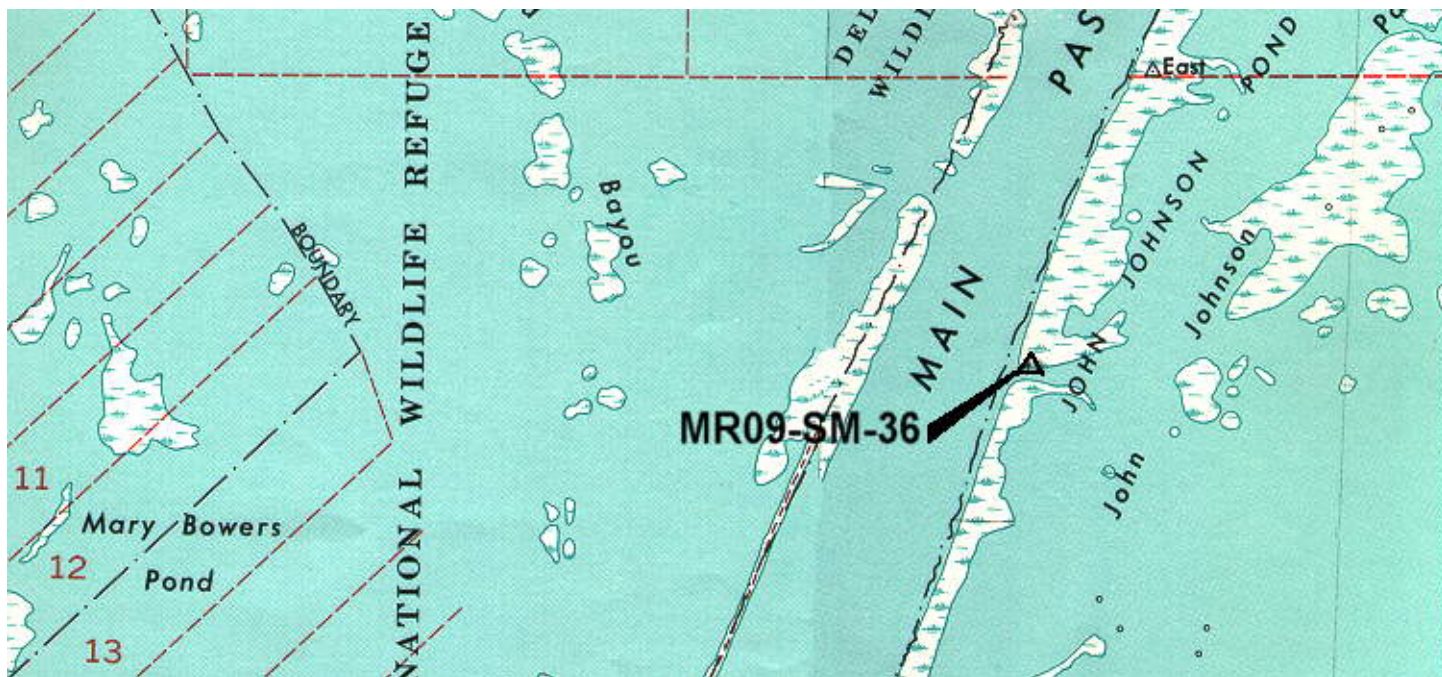
E= 3,945,645.93

Adjusted NAVD88 Height

Elevation = 7.60 ft



Position determined by using Real-time Kinematic (RTK) survey from Temporary Flypoint "BILL"



VICINITY MAP Scale: 1"=2000' Reproduced from USC&GS "PILOTTOWN & PASS A LOUITRE WEST, LA" Quads

Station Name: "MR09-SM-36"

Monument Location: By boat from Venice, Louisiana, proceed southeasterly in the Mississippi River for approximately 7.4 miles to Cubits Gap at the left. Turn left and proceed easterly though the north of Cubits Gap into Main Pass and continue for 2.5 miles to the monument on the right.

Monument Description: Deep Rod Monument; standard 3" survey disk set on steel rods and driven 54.3 feet to refusal, set in a PVC pipe and is recessed 0.4 feet below top of PVC pipe.

Date: August, 2002

Monument Established By: Pyburn & Odom, Inc.

For: Louisiana Department of Natural Resources, CRD

P&O Published NAD 83 Geodetic Position

Lat. 29°14.593"N

Long. 89°14.621"W

P&O Published NAVD88 (Feet)

Elevation = 3.95

Adjusted NAD 83 Geodetic Position

Lat. 29°13'55.76298"N

Long. 89°14'36.22903"W

Adjusted NAD 83 Datum LSZ (1702) Feet

N= 272,344.18

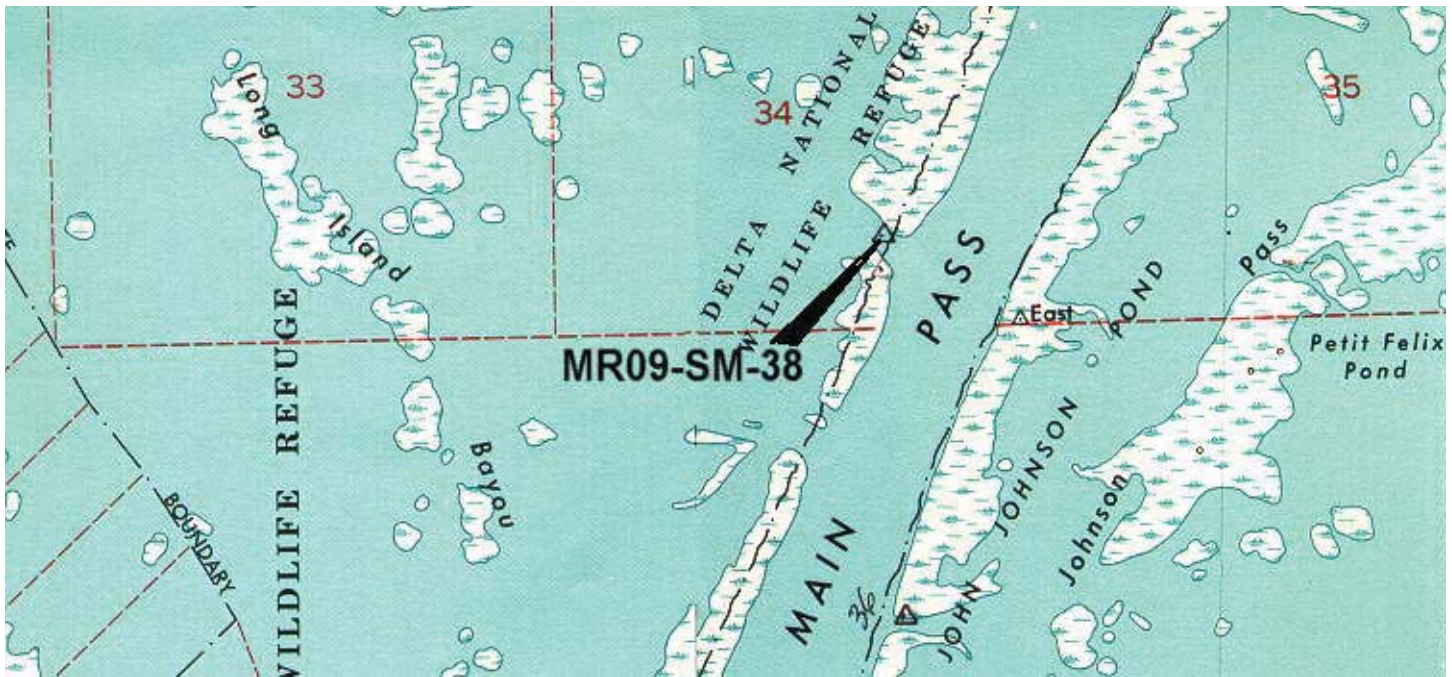
E= 3,947,420.62

Adjusted NAVD88 Height

Elevation = 4.34 ft



Position determined by using Real-time Kinematic (RTK) survey from Temporary Flypoint "BILL"
Position established by John Chance Land Surveys, Inc. for the Louisiana Department of Natural Resources, Coastal Restoration Division



VICINITY MAP Scale: 1"=2000' Reproduced from USC&GS "PILOTTOWN & PASS A LOUTRE WEST, LA" Quads

Station Name: "MR09-SM-38"

Monument Location: By boat from Venice, Louisiana, proceed southeasterly in the Mississippi River for approximately 7.4 miles to Cubits Gap at the left. Turn left and proceed easterly though the north of Cubits Gap into Main Pass and continue for 3.3 miles to the monument on the left.

Monument Description: Deep Rod Monument; standard 3" survey disk set on steel rods and driven 54.3 feet to refusal, set in a PVC pipe and is recessed 0.4 feet below top of PVC pipe.

Date: August 2002

Monument Established By: Pyburn & Odom, Inc.

For: LA Department of Natural Resources, CRD

P&O Published NAD 83 Geodetic Position

Lat. 29°14.592"N

Long. 89°14.267"W

P&O Published NAVD88 (Feet)

Elevation = 3.69

Adjusted NAD 83 Geodetic Position

Lat. 29° 14' 35.62284"N

Long. 89° 14' 37.40572"W

Adjusted NAD 83 Datum LSZ (1702) Feet

N= 276,368.03

E= 3,947,242.96

Adjusted NAVD88 Height

Elevation = 4.00 ft



Position determined by using Real-time Kinematic (RTK) survey from Temporary Flypoint "BILL"

APPENDIX H: DREDGE DATA SHEET

HYDRAULIC DREDGE DATA SHEET
FOR THE DELTA WIDE CREVASSES MAINTENANCE PROJECT (MR-09)

The Contractor shall submit the following Dredge Data Sheet in the Work Plan for each dredge that is proposed to be utilized to perform the Work. The Dredge Data Sheet shall only be utilized for informational purposes. The submitted information is pertinent to the evaluation of the proposed dredges and their capability to perform the Work. The Contractor shall only omit data or information considered to be proprietary. The Dredge Data Sheet shall constitute a certification that the proposed equipment is available to and under control of the Contractor during the Work.

Name of dredge	
Type	
Manufacturer and manufacture date	
Rebuild date and type	
Current location	

Owner/Lease (specify) name	
Contact person	
Contact address	
Contact phone number	

Maximum draft (ft)	
Minimum operating depth (ft)	
Loaded freeboard (ft)	
Maximum dredge depth (ft)	
Minimum dredge depth (ft)	
Maximum effective dredge swing (Degrees)	
Length of dredge spuds (ft)	
Length of dredge hull (ft)	
Beam of dredge hull (ft)	
Length of dredge ladder (ft)	
Inside diameter of suction inlet (in)	
Inside diameter of pump discharge (in)	
Diameter of pump impeller eye (in)	
Outside diameter of pump impeller (in)	
Suction lift or elevation of main dredge pump relative to the water surface level (ft)	
Brake horsepower and corresponding engine RPMs applied to pump impeller at rated drive of the prime mover during dredging operations	
Brake horsepower applied to cutter head during dredging operations	
Pump engine horsepower and RPMs	
Minimum channel width in which dredge can successfully operate and turn 180 degrees	
Type of production rate monitoring equipment	

Expected production rate for beach and dune fill (CY/Day)	NA
Expected production rate for marsh fill (CY/Day)	

Booster pump name and horsepower	
Booster pump name and horsepower	
Booster pump name and horsepower	

APPENDIX I: EQUIPMENT DATA SHEET

EQUIPMENT DATA SHEET
FOR THE DELTA WIDE CREVASSES MAINTENANCE PROJECT (MR-09)

The Contractor shall submit the following Equipment Data Sheet in the Work Plan for each piece of heavy construction equipment (I.E., barge, track hoe, dozer, pile hammer, etc.) that is proposed to be utilized to perform the Work. The Equipment Data Sheet shall only be utilized for informational purposes. The submitted information is pertinent to the evaluation of the proposed equipment and their capability to perform the Work. The Contractor shall only omit data or information considered to be proprietary. The Equipment Data Sheet shall constitute a certification that the proposed equipment is available to and under control of the Contractor during the Work.

Type of equipment	
Manufacturer and manufacture date	
Condition	
Current location	
Description of use on project	

Owner/Lease (specify) name	
Contact person	
Contact address	
Contact phone number	

Expected production rate (Daily or hourly)	
Weight (tons)	
Dimensions (ft)	
Method of mobilization and demobilization	

APPENDIX J: DAILY PROGRESS REPORT FORM

DAILY PROGRESS REPORT

Date: _____ Report No. _____
(Report is due by 12:00 p.m. of the following day)

Project: Delta Wide Crevasses Maintenance Project (MR-09)

Weather: (Clear) (P. Cloudy) (Cloudy) (Precipitation: _____)

Temperature: Min. _____ Max. _____

Wind Speed: _____ mph Direction _____

Wave Height at:

Borrow Site: _____ feet

Fill Area: _____ feet

Wave Direction: _____

Location of discharge: Station _____

Fill Operations Complete To: Fill Site _____, Station _____

Contractor/SUB-Contractor and area of responsibility:

1. **Work Performed Today:** (Indicate location and description of work performed. Provide beach/dune or marsh fill advance over last 24 hours. Attach dredge position printouts and plot to this report.)
2. **Results of Surveillance:** (Include satisfactory work completed or deficiencies with action to be taken.)
3. **Buoy Check:** Were submerged pipeline buoys checked today (Yes/No)? _____
Did buoys require resetting (Yes/No)? _____

4. Water Quality Monitoring: Was water quality monitoring conducted today in compliance with project permit requirements and water quality protection laws, and the results provided to the Engineer (Yes/No)? _____
5. Verbal Instructions Received: (List any instructions given by the OWNER or ENGINEER, construction deficiencies, retesting required, etc., with action to be taken.)
6. Remarks: (Cover delays and any conflicts in Plans, specifications or instructions.)
7. Safety Inspection: (Report violations noted; corrective instructions given; and corrective actions taken.)
8. Equipment Data: (Indicate items of construction equipment other than hand tools at job site and whether or not used and if operable.)
9. Dredge Status: (Is the dredge working, not operating due to weather/sea state, or is it under repair?)
10. Avoidance of Overdredging: Do you certify that the dredge has excavated within the limits of the borrow areas, as shown in the Plans (Yes/No)? _____. Also, do you certify that the borrow area has not been excavated below the limit as shown in the Plans (Yes/No)? _____

11. Progress Summary:

	This Day	To Date
Worked Hours		
Downtime Hours (Explain Below)		
Length of Discharge Advance (Ft.)		
Volume Pumped (Estimated c.y.)		
Volume Pay (c.y. accepted sections only)		
Linear % Completed		

Explanation of Downtime:

Contractor's Verification: The above report is complete and correct and equipment used and work performed during this reporting period are in compliance with the contract drawings and specifications except as noted above.

Contractor's Approved Authorized Representative

Note: This form must include continuous plots of dredge locations and depths.