

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE J	PAGE OF PAGES 1   24
2. AMENDMENT/MODIFICATION NO. 0001	3. EFFECTIVE DATE 21-Sep-2004	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO.(If applicable) OM-04-191
6. ISSUED BY USACE, CONTRACTING DIVISION ATTN: CEMVN-CT, ROOM 172 7400 LEAKE AVE. NEW ORLEANS LA 70118-3651	CODE W912P8	7. ADMINISTERED BY (If other than item 6) <b>See Item 6</b>		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		X	9A. AMENDMENT OF SOLICITATION NO. W912P8-04-B-0054	
		X	9B. DATED (SEE ITEM 11) 16-Jul-2004	
			10A. MOD. OF CONTRACT/ORDER NO.	
			10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE			
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>				
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The above numbered solicitation for Mississippi River Gulf Outlet, 2004 Maintenance Dredging, Bar Channel Hopper Dredge Rental No. 2-2004, St. Bernard and Plaquemines Parish, LA, is hereby amended as shown on the attached pages:  <p style="text-align: center;">BID OPENING DATE</p> BID OPENING DATE & TIME OF 22 SEPTEMBER 2004, 11:00 A.M. LOCAL TIME AT PLACE OF BID OPENING IS HEREBY ESTABLISHED.				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
		TEL: _____ EMAIL: _____		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED
_____ (Signature of person authorized to sign)		BY _____ (Signature of Contracting Officer)		21-Sep-2004

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

**The following items are applicable to this modification:**CONTINUATION SHEET

## 1. SF30, Block 14 – Add the following to Block 14 of the SF30:

“The dredge must be capable of performing all of the following 14 days after the Notice to Proceed is issued:

(1) The dredge must be capable of dredging in the side casting mode. Side casting dredging must be accomplished by means of discharging from the dredge pumps, through either a jet nozzle or extended piping, or other equivalent means, such that the dredge discharge spans a clear distance of 150-feet adjacent to either side of the dredge, prior to entering the free surface of the channel being dredged.

(2) The dredge must also be capable of dredging in either the agitation mode or dredge-and-haul mode, and must possess the ability to convert from one mode to the other at the jobsite. Agitation dredging must be accomplished by means of discharging from the dredge pumps into the hopper, with overboard disposal from the hopper at or above the water surface. The Contractor will be allowed to perform agitation dredging by pumping directly overboard (bypassing the hopper) only if prior approval is obtained from the Contracting Officer.

## 2. Cover sheet –

(1) Under the “Description and Magnitude of Work”, delete the first sentence and replace with the following sentence: “The work consists of furnishing a fully crewed and equipped self-propelled trailing suction-type hopper dredge(s) on a rental basis for the removal and satisfactory disposal of shoal material in the Mississippi River, Gulf Outlet, St. Bernard and Plaquemines, Louisiana.”

(2) Delete the verbage underneath the “Note” and replace with the following: “All work under these specifications will be performed in accordance with the provisions of EM 385-1-1 “Corps of Engineers Safety and Health Requirements Manual,” dated 3 Nov 2003.”

(3) Subcontracting Plan is due within two (2) hours of verbal notification.

## 3. Page MTC-1 - For Section 01331, delete the title “Channel Bottom Grab Sampling” and replace with “Surveys and Channel Bottom Grab Sampling”. Also delete the page nos. “01331-1 thru 3” and replace with “01331-1 thru 7”.

## 4. SF 1442, Block 12B – Delete the number “5” and replace with “24 hours”.

## 5. Section 00010 – Delete pages 00010-3 through 00010-12 in their entirety and replace with the attached revised bid schedules.

## 6. Page 00010-14 – Delete the table entitled “Approximate Hopper Dredge Contract Duration (Base Plus Option)” and replace with the attached revised table.

## 7. Page 00800-1, Paragraph 1 – In the third line of this paragraph, delete “mile 0.0” and replace with “mile –4.0”.

8. Page 01100-1, Paragraph 1 – Delete the 2<sup>nd</sup>, 4<sup>th</sup>, and 5<sup>th</sup> sentence of this paragraph.

## 9. Page 01100-1, Paragraph 1.2 – In the second sentence, delete the words “Within 5 days after receipt of Notice of Award” and replace with “Within 24 hours after receipt of Notice of Award”.

## 10. Section 01331 – Delete this section in its entirety and replace with the attached Section 01331.

11. Page 01431-1, Paragraph 1.3a – Delete this paragraph in its entirety and replace with the following:

- a. Environmental Protection Requirements and turtle monitoring/protection equipment will not be measured, with the exception of sea turtle trawling and relocation if the contract clause entitled "Changes" (FAR 52.243-4) is invoked for the sea turtle trawling and relocation requirements.

12. Page 01431-2, Paragraph 1.3b – Delete this paragraph in its entirety.

13. Page 01431-2, Paragraph 1.3c – Renumber this paragraph as paragraph b and add the following words to the beginning of the first sentence: “If the contract clause entitled "Changes" (FAR 52.243-4) is invoked for the sea turtle trawling and relocation requirements.”

14. Page 01431-2, Paragraph 1.4.3 – Delete this paragraph in its entirety and replace with the following:

No separate payment will be made for sea turtle observers, accommodations and meals for sea turtle observers, transportation of injured turtles and transportation of sea turtle observers. These items are considered to be part of the dredge plant and the cost for such items shall be placed accordingly.

15. Page 01431-2, Paragraphs 1.4.4a & 1.4.4b – Delete these two paragraphs in their entirety and replace with the following paragraph:

- a. If it is determined by the Contracting Officer that sea turtle trawling and relocation is required, then the contract clause entitled "Changes" (FAR 52.243-4) shall be invoked and payment for mobilization and demobilization of sea turtle trawling and relocation and payment for sea turtle trawling and relocation and gulf sturgeon handling and release, including all costs for furnishing labor, equipment, fuel, oil, materials, and supplies shall be determined accordingly.

16. Page 01431-2, Paragraph 1.4.4c: Renumber this paragraph as paragraph b and add the following sentence to the beginning of the paragraph: “The following applies only if the contract clause entitled "Changes" (FAR 52.243-4) is invoked for the sea turtle trawling and relocation requirements.”

17. Page 01431-9, Paragraph 3.4.3 – Extend the last sentence of this paragraph with the following phrase: “if the contract clause entitled "Changes" (FAR 52.243-4) is invoked for the sea turtle trawling and relocation requirements”.

18. Page 01431-12, Paragraph 3.4.9 – This paragraph shall read as follows:

#### 3.4.9 Sea Turtle Trawling and Relocation

This section applies only if the contract clause entitled "Changes" (FAR 52.243-4) is invoked for the sea turtle trawling and relocation requirements.

19. Page 01431-16, Paragraph 3.4.10 – Delete the chart entitled “Partial List of NMFS-Approved Sea Turtle Observers” and replace with the attached revised chart.

20. Page 02328-1, Paragraph 1.1 – Delete the first sentence of this paragraph in its entirety and replace with the following sentences: “It is the purpose of these specifications to secure for the Government the hire and operation of a self-propelled, trailing suction type hopper dredge(s) conforming to the sizes shown in the table listed in the paragraph of this Section entitled “Dredge Plant”. The maximum contract duration shall not exceed 327 days.”

21. Page 02328-1, Paragraph 1.2.1 – After the last sentence of this paragraph, add the following sentences: “For bid lots eight, nine, and ten, an additional dredge is required in order to meet the maximum contract duration of 327 days. A separate payment will not be made for the mobilization and

demobilization of this additional dredge. Payment for the mobilization and demobilization of this additional dredge is considered to be part of the Item “Mobilization and Demobilization of Hopper Dredge and All Attendant Plant”.

22. Page 02328-1, Paragraph 1.2.2 – After the word “crewboat” in the last line of this paragraph, add the following: “surveys, sea turtle observers, transportation of injured turtles, transportation of sea turtle observers”.

23. Page 02328-14, Paragraph 1.5.8e – Delete this paragraph in its entirety and renumber Paragraph 1.5.8f as Paragraph 1.5.8e.

24. Page 02328-16, Paragraph 1.7d – Delete this paragraph in its entirety and replace with the following: “The gage for the MRGO Bar Channel is mounted on light #24A, located at approximate mile 2 of the MRGO Bar Channel. The coordinates of this gage are Latitude 29° 31’ 21.9” North, Longitude 89° 09’ 51.9” West.”

25. Page 02328-18, Paragraph 3.1.2.1 – After the word “dimensions” in the first sentence, add the following: “of the bar channel”. Also add the following sentence after the first sentence of this paragraph: “The authorized dimensions of the Breton Sound and jetty reaches are –36 feet MLG by 500 feet bottom width, from Mile 23.0 to Mile 0.0, with 4 feet advanced maintenance.”

26. Drawing 1 – In the “Tabulation of Bench Marks/Gages Description” box, delete the words “Gage is a staff type attached to light/beacon #41 at approximate MRGO 9.4. Gage Zero(0) = Mean Low Gulf Datum (MLG)” and replace with “Gage is a staff type attached to light/beacon #24A at approximate MRGO mile 2. Gage Zero (0) = Mean Low Gulf Datum (MLG).”

**SECTION 00010 – BIDDING SCHEDULE**

**MISSISSIPPI RIVER GULF OUTLET, 2004 MAINTENANCE DREDGING,  
 BAR CHANNEL HOPPER DREDGE RENTAL NO. 2-2004  
 ST. BERNARD AND PLAQUEMINES PARISH, LOUISIANA  
 Solicitation No. W912P8-04-B-0054**

**LOT ONE, 33.5 in. Inside Diameter (ID) Pump Suction, 9,500 cy Nominal Hopper Capacity**

Bid Item	DESCRIPTION	Estimated Quantity	Unit	Unit Price	Total Price
0001	MOBILIZATION AND DEMOBILIZATION OF HOPPER DREDGE AND ALL ATTENDANT PLANT.	1	LS		
0002	DREDGING – Rental of a trailing-type hopper dredge with the following characteristics: Pump Suction ID = 33.5 inches Hopper Capacity = 9,500 cy Dragarm(s) = 2 dragarm(s) Including all attendant plant.	2,237	Hour		
Option 0003	DREDGING – Same plant listed in Item No. 0002 of this bid lot.	559	Hour	XXXXXXXXXX	
0004	Hopper Dredge Silent Inspector	1	LS		
TOTAL:				LOT ONE \$	

**Bid Form Notes:**

- Bidders shall bid on all items including optional items. Failure to bid on all items will result in a non-responsive bid.
- Bidders shall use the Item No. 0002 unit price to compute Item Nos. 0002 and 0003 total prices.
- Any bid may be rejected if the Contracting Officer or his/her authorized representative determines in writing that it is unreasonable as to price. Unreasonableness of price includes not only the total price of the bid, but the prices for individual line items as well. Any bid may be rejected if the prices for any line items or subline items are materially unbalanced (see FAR 15.404-1(g)(3)).
- The Notice to Proceed (NTP): The successful bidder is advised that performance and payment bonds shall be submitted in accordance with the time frame in block 12B of SF 1442 after Notice of Award. The NTP will be issued after verification of acceptable performance and payment bonds. Within seven (7) days after issuance of NTP, the Contractor shall initiate a meeting to discuss the submittal process with the Area or Resident Engineer or his authorized representative. Physical work cannot start until the Accident Prevention Program, Contractor Quality Control Plan, and other submittals which may be required, have been submitted and approved and all preliminary meetings called for under the contract, have been conducted.

**SECTION 00010 – BIDDING SCHEDULE**

**MISSISSIPPI RIVER GULF OUTLET, 2004 MAINTENANCE DREDGING,  
 BAR CHANNEL HOPPER DREDGE RENTAL NO. 2-2004  
 ST. BERNARD AND PLAQUEMINES PARISH, LOUISIANA  
 Solicitation No. W912P8-04-B-0054**

**LOT TWO, 33.5 in. Inside Diameter (ID) Pump Suction, 6,300 cy Nominal Hopper Capacity**

Bid Item	DESCRIPTION	Estimated Quantity	Unit	Unit Price	Total Price
0001	MOBILIZATION AND DEMOBILIZATION OF HOPPER DREDGE AND ALL ATTENDANT PLANT.	1	LS		
0002	DREDGING – Rental of a trailing-type hopper dredge with the following characteristics: Pump Suction ID = 33.5 inches Hopper Capacity = 6,300 cy Dragarm(s) = 2 dragarm(s) Including all attendant plant.	3,169	Hour		
Option 0003	DREDGING – Same plant listed in Item No. 0002 of this bid lot.	792	Hour	XXXXXXXXXX	
0004	Hopper Dredge Silent Inspector	1	LS		
TOTAL:				LOT TWO \$	

**Bid Form Notes:**

- Bidders shall bid on all items including optional items. Failure to bid on all items will result in a non-responsive bid.
- Bidders shall use the Item No. 0002 unit price to compute Item Nos. 0002 and 0003 total prices.
- Any bid may be rejected if the Contracting Officer or his/her authorized representative determines in writing that it is unreasonable as to price. Unreasonableness of price includes not only the total price of the bid, but the prices for individual line items as well. Any bid may be rejected if the prices for any line items or subline items are materially unbalanced (see FAR 15.404-1(g)(3)).
- The Notice to Proceed (NTP): The successful bidder is advised that performance and payment bonds shall be submitted in accordance with the time frame in block 12B of SF 1442 after Notice of Award. The NTP will be issued after verification of acceptable performance and payment bonds. Within seven (7) days after issuance of NTP, the Contractor shall initiate a meeting to discuss the submittal process with the Area or Resident Engineer or his authorized representative. Physical work cannot start until the Accident Prevention Program, Contractor Quality Control Plan, and other submittals which may be required, have been submitted and approved and all preliminary meetings called for under the contract, have been conducted.

**SECTION 00010 – BIDDING SCHEDULE**

**MISSISSIPPI RIVER GULF OUTLET, 2004 MAINTENANCE DREDGING,  
 BAR CHANNEL HOPPER DREDGE RENTAL NO. 2-2004  
 ST. BERNARD AND PLAQUEMINES PARISH, LOUISIANA  
 Solicitation No. W912P8-04-B-0054**

**LOT THREE, 30 in. Inside Diameter (ID) Pump Suction, 4,815 cy Nominal Hopper Capacity**

Bid Item	DESCRIPTION	Estimated Quantity	Unit	Unit Price	Total Price
0001	MOBILIZATION AND DEMOBILIZATION OF HOPPER DREDGE AND ALL ATTENDANT PLANT.	1	LS		
0002	DREDGING – Rental of a trailing-type hopper dredge with the following characteristics: Pump Suction ID = 30 inches Hopper Capacity = 4,815 cy Dragarm(s) = 2 dragarm(s) Including all attendant plant.	3,609	Hour		
Option 0003	DREDGING – Same plant listed in Item No. 0002 of this bid lot.	902	Hour	XXXXXXXXXX	
0004	Hopper Dredge Silent Inspector	1	LS		
TOTAL:				LOT THREE \$	

**Bid Form Notes:**

- Bidders shall bid on all items including optional items. Failure to bid on all items will result in a non-responsive bid.
- Bidders shall use the Item No. 0002 unit price to compute Item Nos. 0002 and 0003 total prices.
- Any bid may be rejected if the Contracting Officer or his/her authorized representative determines in writing that it is unreasonable as to price. Unreasonableness of price includes not only the total price of the bid, but the prices for individual line items as well. Any bid may be rejected if the prices for any line items or subline items are materially unbalanced (see FAR 15.404-1(g)(3)).
- The Notice to Proceed (NTP): The successful bidder is advised that performance and payment bonds shall be submitted in accordance with the time frame in block 12B of SF 1442 after Notice of Award. The NTP will be issued after verification of acceptable performance and payment bonds. Within seven (7) days after issuance of NTP, the Contractor shall initiate a meeting to discuss the submittal process with the Area or Resident Engineer or his authorized representative. Physical work cannot start until the Accident Prevention Program, Contractor Quality Control Plan, and other submittals which may be required, have been submitted and approved and all preliminary meetings called for under the contract, have been conducted.

**SECTION 00010 – BIDDING SCHEDULE**

**MISSISSIPPI RIVER GULF OUTLET, 2004 MAINTENANCE DREDGING,  
 BAR CHANNEL HOPPER DREDGE RENTAL NO. 2-2004  
 ST. BERNARD AND PLAQUEMINES PARISH, LOUISIANA  
 Solicitation No. W912P8-04-B-0054**

**LOT FOUR, 28 in. Inside Diameter (ID) Pump Suction, 4,000 cy Nominal Hopper Capacity**

Bid Item	DESCRIPTION	Estimated Quantity	Unit	Unit Price	Total Price
0001	MOBILIZATION AND DEMOBILIZATION OF HOPPER DREDGE AND ALL ATTENDANT PLANT.	1	LS		
0002	DREDGING – Rental of a trailing-type hopper dredge with the following characteristics: Pump Suction ID = 28 inches Hopper Capacity = 4,000 cy Dragarm(s) = 2 dragarm(s) Including all attendant plant.	3,900	Hour		
Option 0003	DREDGING – Same plant listed in Item No. 0002 of this bid lot.	975	Hour	XXXXXXXXXX	
0004	Hopper Dredge Silent Inspector	1	LS		
TOTAL:				LOT FOUR \$	

**Bid Form Notes:**

1. Bidders shall bid on all items including optional items. Failure to bid on all items will result in a non-responsive bid.
2. Bidders shall use the Item No. 0002 unit price to compute Item Nos. 0002 and 0003 total prices.
3. Any bid may be rejected if the Contracting Officer or his/her authorized representative determines in writing that it is unreasonable as to price. Unreasonableness of price includes not only the total price of the bid, but the prices for individual line items as well. Any bid may be rejected if the prices for any line items or subline items are materially unbalanced (see FAR 15.404-1(g)(3)).
4. The Notice to Proceed (NTP): The successful bidder is advised that performance and payment bonds shall be submitted in accordance with the time frame in block 12B of SF 1442 after Notice of Award. The NTP will be issued after verification of acceptable performance and payment bonds. Within seven (7) days after issuance of NTP, the Contractor shall initiate a meeting to discuss the submittal process with the Area or Resident Engineer or his authorized representative. Physical work cannot start until the Accident Prevention Program, Contractor Quality Control Plan, and other submittals which may be required, have been submitted and approved and all preliminary meetings called for under the contract, have been conducted.

**SECTION 00010 – BIDDING SCHEDULE**

**MISSISSIPPI RIVER GULF OUTLET, 2004 MAINTENANCE DREDGING,  
 BAR CHANNEL HOPPER DREDGE RENTAL NO. 2-2004  
 ST. BERNARD AND PLAQUEMINES PARISH, LOUISIANA  
 Solicitation No. W912P8-04-B-0054**

**LOT FIVE, 27 in. Inside Diameter (ID) Pump Suction, 3,600 cy Nominal Hopper Capacity**

Bid Item	DESCRIPTION	Estimated Quantity	Unit	Unit Price	Total Price
0001	MOBILIZATION AND DEMOBILIZATION OF HOPPER DREDGE AND ALL ATTENDANT PLANT.	1	LS		
0002	DREDGING – Rental of a trailing-type hopper dredge with the following characteristics: Pump Suction ID = 27 inches Hopper Capacity = 3,600 cy Dragarm(s) = 2 dragarm(s) Including all attendant plant.	4,800	Hour		
Option 0003	DREDGING – Same plant listed in Item No. 0002 of this bid lot.	1,200	Hour	XXXXXXXXXX	
0004	Hopper Dredge Silent Inspector	1	LS		
TOTAL:				LOT FIVE \$	

**Bid Form Notes:**

- Bidders shall bid on all items including optional items. Failure to bid on all items will result in a non-responsive bid.
- Bidders shall use the Item No. 0002 unit price to compute Item Nos. 0002 and 0003 total prices.
- Any bid may be rejected if the Contracting Officer or his/her authorized representative determines in writing that it is unreasonable as to price. Unreasonableness of price includes not only the total price of the bid, but the prices for individual line items as well. Any bid may be rejected if the prices for any line items or subline items are materially unbalanced (see FAR 15.404-1(g)(3)).
- The Notice to Proceed (NTP): The successful bidder is advised that performance and payment bonds shall be submitted in accordance with the time frame in block 12B of SF 1442 after Notice of Award. The NTP will be issued after verification of acceptable performance and payment bonds. Within seven (7) days after issuance of NTP, the Contractor shall initiate a meeting to discuss the submittal process with the Area or Resident Engineer or his authorized representative. Physical work cannot start until the Accident Prevention Program, Contractor Quality Control Plan, and other submittals which may be required, have been submitted and approved and all preliminary meetings called for under the contract, have been conducted.

**SECTION 00010 – BIDDING SCHEDULE**

**MISSISSIPPI RIVER GULF OUTLET, 2004 MAINTENANCE DREDGING,  
 BAR CHANNEL HOPPER DREDGE RENTAL NO. 2-2004  
 ST. BERNARD AND PLAQUEMINES PARISH, LOUISIANA  
 Solicitation No. W912P8-04-B-0054**

**LOT SIX, 24 in. Inside Diameter (ID) Pump Suction, 4,000 cy Nominal Hopper Capacity**

Bid Item	DESCRIPTION	Estimated Quantity	Unit	Unit Price	Total Price
0001	MOBILIZATION AND DEMOBILIZATION OF HOPPER DREDGE AND ALL ATTENDANT PLANT.	1	LS		
0002	DREDGING – Rental of a trailing-type hopper dredge with the following characteristics: Pump Suction ID = 24 inches Hopper Capacity = 4,000 cy Dragarm(s) = 2 dragarm(s) Including all attendant plant.	4,766	Hour		
Option 0003	DREDGING – Same plant listed in Item No. 0002 of this bid lot.	1,192	Hour	XXXXXXXXXX	
0004	Hopper Dredge Silent Inspector	1	LS		
TOTAL:				LOT SIX \$	

**Bid Form Notes:**

- Bidders shall bid on all items including optional items. Failure to bid on all items will result in a non-responsive bid.
- Bidders shall use the Item No. 0002 unit price to compute Item Nos. 0002 and 0003 total prices.
- Any bid may be rejected if the Contracting Officer or his/her authorized representative determines in writing that it is unreasonable as to price. Unreasonableness of price includes not only the total price of the bid, but the prices for individual line items as well. Any bid may be rejected if the prices for any line items or subline items are materially unbalanced (see FAR 15.404-1(g)(3)).
- The Notice to Proceed (NTP): The successful bidder is advised that performance and payment bonds shall be submitted in accordance with the time frame in block 12B of SF 1442 after Notice of Award. The NTP will be issued after verification of acceptable performance and payment bonds. Within seven (7) days after issuance of NTP, the Contractor shall initiate a meeting to discuss the submittal process with the Area or Resident Engineer or his authorized representative. Physical work cannot start until the Accident Prevention Program, Contractor Quality Control Plan, and other submittals which may be required, have been submitted and approved and all preliminary meetings called for under the contract, have been conducted.

**SECTION 00010 – BIDDING SCHEDULE**

**MISSISSIPPI RIVER GULF OUTLET, 2004 MAINTENANCE DREDGING,  
 BAR CHANNEL HOPPER DREDGE RENTAL NO. 2-2004  
 ST. BERNARD AND PLAQUEMINES PARISH, LOUISIANA  
 Solicitation No. W912P8-04-B-0054**

**LOT SEVEN, 27 in. Inside Diameter (ID) Pump Suction, 3,700 cy Nominal Hopper Capacity**

Bid Item	DESCRIPTION	Estimated Quantity	Unit	Unit Price	Total Price
0001	MOBILIZATION AND DEMOBILIZATION OF HOPPER DREDGE AND ALL ATTENDANT PLANT.	1	LS		
0002	DREDGING – Rental of a trailing-type hopper dredge with the following characteristics: Pump Suction ID = 27 inches Hopper Capacity = 3,700 cy Dragarm(s) = 2 dragarm(s) Including all attendant plant.	5,004	Hour		
Option 0003	DREDGING – Same plant listed in Item No. 0002 of this bid lot.	1,251	Hour	XXXXXXXXXX	
0004	Hopper Dredge Silent Inspector	1	LS		
TOTAL:				LOT SEVEN \$	

**Bid Form Notes:**

- Bidders shall bid on all items including optional items. Failure to bid on all items will result in a non-responsive bid.
- Bidders shall use the Item No. 0002 unit price to compute Item Nos. 0002 and 0003 total prices.
- Any bid may be rejected if the Contracting Officer or his/her authorized representative determines in writing that it is unreasonable as to price. Unreasonableness of price includes not only the total price of the bid, but the prices for individual line items as well. Any bid may be rejected if the prices for any line items or subline items are materially unbalanced (see FAR 15.404-1(g)(3)).
- The Notice to Proceed (NTP): The successful bidder is advised that performance and payment bonds shall be submitted in accordance with the time frame in block 12B of SF 1442 after Notice of Award. The NTP will be issued after verification of acceptable performance and payment bonds. Within seven (7) days after issuance of NTP, the Contractor shall initiate a meeting to discuss the submittal process with the Area or Resident Engineer or his authorized representative. Physical work cannot start until the Accident Prevention Program, Contractor Quality Control Plan, and other submittals which may be required, have been submitted and approved and all preliminary meetings called for under the contract, have been conducted.

**SECTION 00010 – BIDDING SCHEDULE**

**MISSISSIPPI RIVER GULF OUTLET, 2004 MAINTENANCE DREDGING,  
 BAR CHANNEL HOPPER DREDGE RENTAL NO. 2-2004  
 ST. BERNARD AND PLAQUEMINES PARISH, LOUISIANA  
 Solicitation No. W912P8-04-B-0054**

**LOT EIGHT, 28 in. Inside Diameter (ID) Pump Suction, 4,350 cy Nominal Hopper Capacity**

Bid Item	DESCRIPTION	Estimated Quantity	Unit	Unit Price	Total Price
0001	MOBILIZATION AND DEMOBILIZATION OF HOPPER DREDGE AND ALL ATTENDANT PLANT.	1	LS		
0002	DREDGING – Rental of a trailing-type hopper dredge(s) with the following characteristics: Pump Suction ID = 28 inches Hopper Capacity = 4,350 cy Dragarm(s) = 1 dragarm(s) Including all attendant plant.	7,021	Hour		
Option 0003	DREDGING – Same plant listed in Item No. 0002 of this bid lot.	1,755	Hour	XXXXXXXXXX	
0004	Hopper Dredge Silent Inspector	1	LS		
TOTAL:				LOT EIGHT \$	

**Bid Form Notes:**

- Bidders shall bid on all items including optional items. Failure to bid on all items will result in a non-responsive bid.
- Bidders shall use the Item No. 0002 unit price to compute Item Nos. 0002 and 0003 total prices.
- Any bid may be rejected if the Contracting Officer or his/her authorized representative determines in writing that it is unreasonable as to price. Unreasonableness of price includes not only the total price of the bid, but the prices for individual line items as well. Any bid may be rejected if the prices for any line items or subline items are materially unbalanced (see FAR 15.404-1(g)(3)).
- The Notice to Proceed (NTP): The successful bidder is advised that performance and payment bonds shall be submitted in accordance with the time frame in block 12B of SF 1442 after Notice of Award. The NTP will be issued after verification of acceptable performance and payment bonds. Within seven (7) days after issuance of NTP, the Contractor shall initiate a meeting to discuss the submittal process with the Area or Resident Engineer or his authorized representative. Physical work cannot start until the Accident Prevention Program, Contractor Quality Control Plan, and other submittals which may be required, have been submitted and approved and all preliminary meetings called for under the contract, have been conducted.
- Bidders electing to bid on Lot Eight shall provide an additional hopper dredge in order to meet the maximum contract duration of 327 days. A separate payment will not be made for the mobilization and demobilization of this additional dredge. Payment for the mobilization and demobilization of this additional dredge is considered to be part of the Item "Mobilization and Demobilization of Hopper Dredge and All Attendant Plant". The calculation of hours for the addition of plant shall be calculated as per Section 02328, Paragraph 1.5.9 entitled "Addition of Plant".

**SECTION 00010 – BIDDING SCHEDULE**

**MISSISSIPPI RIVER GULF OUTLET, 2004 MAINTENANCE DREDGING,  
 BAR CHANNEL HOPPER DREDGE RENTAL NO. 2-2004  
 ST. BERNARD AND PLAQUEMINES PARISH, LOUISIANA  
 Solicitation No. W912P8-04-B-0054**

**LOT NINE, 18 in. Inside Diameter (ID) Pump Suction, 2,100 cy Nominal Hopper Capacity**

Bid Item	DESCRIPTION	Estimated Quantity	Unit	Unit Price	Total Price
0001	MOBILIZATION AND DEMOBILIZATION OF HOPPER DREDGE AND ALL ATTENDANT PLANT.	1	LS		
0002	DREDGING – Rental of a trailing-type hopper dredge with the following characteristics: Pump Suction ID = 18 inches Hopper Capacity = 2,100 cy Dragarm(s) = 2 dragarm(s) Including all attendant plant.	9,989	Hour		
Option 0003	DREDGING – Same plant listed in Item No. 0002 of this bid lot.	2,497	Hour	XXXXXXXXXX	
0004	Hopper Dredge Silent Inspector	1	LS		
TOTAL:				LOT NINE \$	

**Bid Form Notes:**

- Bidders shall bid on all items including optional items. Failure to bid on all items will result in a non-responsive bid.
- Bidders shall use the Item No. 0002 unit price to compute Item Nos. 0002 and 0003 total prices.
- Any bid may be rejected if the Contracting Officer or his/her authorized representative determines in writing that it is unreasonable as to price. Unreasonableness of price includes not only the total price of the bid, but the prices for individual line items as well. Any bid may be rejected if the prices for any line items or subline items are materially unbalanced (see FAR 15.404-1(g)(3)).
- The Notice to Proceed (NTP): The successful bidder is advised that performance and payment bonds shall be submitted in accordance with the time frame in block 12B of SF 1442 after Notice of Award. The NTP will be issued after verification of acceptable performance and payment bonds. Within seven (7) days after issuance of NTP, the Contractor shall initiate a meeting to discuss the submittal process with the Area or Resident Engineer or his authorized representative. Physical work cannot start until the Accident Prevention Program, Contractor Quality Control Plan, and other submittals which may be required, have been submitted and approved and all preliminary meetings called for under the contract, have been conducted.

**5. Bidders electing to bid on Lot Nine shall provide an additional hopper dredge in order to meet the maximum contract duration of 327 days. A separate payment will not be made for the mobilization and demobilization of this additional dredge. Payment for the mobilization and demobilization of this additional dredge is considered to be part of the Item "Mobilization and Demobilization of Hopper Dredge and All Attendant Plant". The calculation of hours for the addition of plant shall be calculated as per Section 02328, Paragraph 1.5.9 entitled "Addition of Plant".**

**SECTION 00010 – BIDDING SCHEDULE**

**MISSISSIPPI RIVER GULF OUTLET, 2004 MAINTENANCE DREDGING,  
 BAR CHANNEL HOPPER DREDGE RENTAL NO. 2-2004  
 ST. BERNARD AND PLAQUEMINES PARISH, LOUISIANA  
 Solicitation No. W912P8-04-B-0054**

**LOT TEN, 21.5 in. Inside Diameter (ID) Pump Suction, 1,300 cy Nominal Hopper Capacity**

Bid Item	DESCRIPTION	Estimated Quantity	Unit	Unit Price	Total Price
0001	MOBILIZATION AND DEMOBILIZATION OF HOPPER DREDGE AND ALL ATTENDANT PLANT.	1	LS		
0002	DREDGING – Rental of a trailing-type hopper dredge with the following characteristics: Pump Suction ID = 21.5 inches Hopper Capacity = 1,300 cy Dragarm(s) = 1 dragarm(s) Including all attendant plant.	13,790	Hour		
Option 0003	DREDGING – Same plant listed in Item No. 0002 of this bid lot.	3,448	Hour	XXXXXXXXXX	
0004	Hopper Dredge Silent Inspector	1	LS		
<b>TOTAL:</b>				<b>LOT TEN \$</b>	

**Bid Form Notes:**

- Bidders shall bid on all items including optional items. Failure to bid on all items will result in a non-responsive bid.
- Bidders shall use the Item No. 0002 unit price to compute Item Nos. 0002 and 0003 total prices.
- Any bid may be rejected if the Contracting Officer or his/her authorized representative determines in writing that it is unreasonable as to price. Unreasonableness of price includes not only the total price of the bid, but the prices for individual line items as well. Any bid may be rejected if the prices for any line items or subline items are materially unbalanced (see FAR 15.404-1(g)(3)).
- The Notice to Proceed (NTP): The successful bidder is advised that performance and payment bonds shall be submitted in accordance with the time frame in block 12B of SF 1442 after Notice of Award. The NTP will be issued after verification of acceptable performance and payment bonds. Within seven (7) days after issuance of NTP, the Contractor shall initiate a meeting to discuss the submittal process with the Area or Resident Engineer or his authorized representative. Physical work cannot start until the Accident Prevention Program, Contractor Quality Control Plan, and other submittals which may be required, have been submitted and approved and all preliminary meetings called for under the contract, have been conducted.
- Bidders electing to bid on Lot Ten shall provide an additional hopper dredge in order to meet the maximum contract duration of 327 days. A separate payment will not be made for the mobilization and demobilization of this additional dredge. Payment for the mobilization and demobilization of this additional dredge is considered to be part of the Item "Mobilization and Demobilization of Hopper Dredge and All Attendant Plant". The calculation of hours for the addition of plant shall be calculated as per Section 02328, Paragraph 1.5.9 entitled "Addition of Plant".

<b>APPROXIMATE HOPPER DREDGE CONTRACT DURATION (BASE PLUS OPTION)</b>				
<b>Bid Lot</b>	<b>Pump inside diam. inches</b>	<b>Hopper Size Cubic Yards</b>	<b>No. of Dragarms</b>	<b>Maximum Number Of Rental Days</b>
1	33.5	9500	2	168
2	33.5	6300	2	222
3	30	4815	2	247
4	28	4000	2	263
5	27	3600	2	315
6	24	4000	2	313
7	27	3700	2	327
8	28	4350	1	327*
9	18	2100	2	327*
10	21.5	1300	1	327*

\* An additional hopper dredge is required for these bid lots in order to meet the maximum contract duration of 327 days.

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## SECTION 01331 - SURVEYS AND CHANNEL BOTTOM GRAB SAMPLING

## PART 1 GENERAL

## 1.1 SCOPE

The work provided for herein consists of furnishing all plant, labor, equipment, and materials, and performing all operations necessary for surveying and channel bottom grab sampling as specified herein.

## 1.2 MEASUREMENT AND PAYMENT

No separate measurement or payment will be made for surveys or channel bottom grab sampling. The cost of the work covered under this section shall be included in the contract unit price per hour for "Dredging". No payment will be made for Channel Bottom Grab Sampling; however, a deduction of \$500.00 per sample will be assessed for samples not provided in accordance with these specifications.

## 1.3 PROFESSIONAL CERTIFICATION

All surveys shall be performed in the presence of the Contracting Officer's Representative. All surveys shall be performed under the direction of and certified by a Professional Land Surveyor currently licensed by a state of the United States. In addition, the surveyor shall document at least three years of experience in hydrographic surveying of navigable channels.

## 1.4 SURVEY EQUIPMENT

## 1.4.1 Survey Boat

The Contractor shall furnish one diesel-powered survey boat, with twin propellers, capable of maintaining and traveling no less than the minimum speed of 25 miles per hour / 22 knots, not less than 40 feet in length, with enclosed space for at least six passengers after installation of all required equipment. The survey boat shall meet or exceed all applicable US Coast Guard regulations for vessels 65 feet or less in length, and shall be certified by the US Coast Guard. The survey boat shall be equipped with the following:

- (1) VHF-FM marine radio transceiver for ship-to-ship communications, described in the paragraph of Section 02328 – Dredging, entitled "Communication Equipment".
- (2) Navigation radar, as described in the paragraph of Section 02328 – Dredging, entitled "Navigation Radar".
- (3) air conditioning and heating;

- (4) Safety equipment meeting the inspection requirements of the US Coast Guard Auxiliary;
- (5) an electronic positioning system, described in the paragraph of this Section entitled "Electronic Positioning Equipment";
- (6) A recording depthsounder, described in the paragraph of this Section entitled "Depthsounders" and

When the survey boat is not being used for surveying, it may be used for transporting Government personnel and for crew changes or other purposes, with the Inspector's approval. Transport of Government personnel shall take precedence during non-survey use. The survey boat shall be operated and available 24 hours a day. The minimum full-time crew for the survey boat during survey use shall be one operator for the day shift plus any survey personnel required to operate the survey equipment. Smoking shall not be allowed inside the cabin and operator's space while occupied by Government personnel. NO SMOKING signs shall be posted. Hearing protection signs must be posted in the passenger quarters.

#### 1.4.2 Electronic Positioning Equipment

- a. The Contractor shall furnish and maintain an electronic positioning system capable of providing 24-hour real-time positioning, with an accuracy of +/- 5 feet, for use aboard both the dredge and the survey boat. Initial calibration and subsequent checks shall be in accordance with the manufacturer's instructions as required in paragraph 3.1.1 of this Section.
- b. The electronic positioning systems used on board the dredge and survey boat shall each be equipped with a track indicator, magnetic media recorder (3½ inch floppy disk, ASCII, IBM compatible format), and a roll-chart track plotter. The system must be capable of accepting programmed waypoints, and giving a course between waypoints. The track indicator must show deviations from programmed course. The magnetic media recorder shall record position fixes in X-Y coordinates (State Plane Grid), and associated depths from the depthsounder. The roll chart plotter shall show courses steered, in real time, and must also be capable of plotting digitized depth data from the depthsounder.
- c. The position indicating instrument console shall be installed in the pilothouse of the dredge. The track indicators shall be mounted in clear view of the helmsman of the dredge and the operator of the survey boat.
- d. The locations and frequency of the U.S. Coast Guard towers for DGPS use are as follows:

English Turn, LA	293 KHz
Mobile Point, AL	300 KHz
Galveston, TX	296 KHz
Vicksburg, MS	313 KHz

e. No separate payment will be made for electronic positioning equipment.

#### 1.4.3 Depthsounders

a. Survey Boat. Each survey boat shall be equipped with a depthsounder.

(1) System Characteristics. The depthsounder shall be capable of recording depths from a minimum depth of 4 ft. below the transducer to a maximum depth of at least 100 ft. The depthsounder shall be accurate to +/- 0.1 ft. The transducer shall be mounted within the vessel so as to insure optimal depthsounder performance. The transducer transmit frequency shall be within the range of 24-28 kHz and the unit shall be capable of a pulse power output of up to 500 watts. The depthsounder shall have a sounding rate of at least 15 soundings/sec. It shall be capable of automatic Time Varied Gain (TVG) adjustments. The unit shall also have manual controls that allow vessel draft, water level (+/-) and speed of sound adjustments.

Analog depthsounder recordings shall be made on a dry thermal or electrostatic paper medium. Chart paper operational speeds shall be within a range of 1-8 in./min. The vertical scaling shall be at minimum 1 in. per 10 ft. of water depth. Draft, tide and speed of sound settings shall be automatically annotated on the chart. The depthsounder shall be capable of manual event marking. A remote digital depth display shall be provided to the survey boat operator.

The depthsounder shall be electronically interfaced with a positioning survey system, all recorded digitized depth soundings must be accurately annotated on the analog paper chart with an event mark and its event designation. The operational chart paper speed utilized will not cause any event mark/event designation overwrites.

(2) Calibration. The Contracting Officer's Representative shall be present at all depthsounder calibrations. The speed of sound calibration method will be approved by the Contracting Officer's Representative. A calibration shall be performed at the start of each day, when the vessel moves to another survey locale and after any maintenance is performed on the depthsounder (to include chart paper replacement). Once the calibration is complete, no speed of sound adjustments shall be made until the next calibration. The depthsounder shall be calibrated at a depth equal to 80% of the maximum expected survey depth or at a depth of 40 ft. (whichever is less). The analog chart paper recording of the calibration shall be provided to the Contracting Officer's Representative.

b. Dredge. The dredge shall be fitted with an efficient electronic depthsounder in accordance with U.S. Coast Guard regulation 46CFR96.27-1. Calibration checks shall be in accordance with paragraph 1.4.3.a (2) above.

PART 2 PRODUCTS (Not Applicable)

PART 3 EXECUTION

### 3.1 SURVEYS

#### 3.1.1 Pre-Dredging Survey (Primary Dredging Region)

a. No later than 5 days prior to the dredge commencing work, the Contractor shall submit to the Contracting Officer the following surveys:

(1) A hydrographic survey of the channel between C/L stations 3484+40 and 4003+00. The survey shall include full channel cross-sections taken every 500 feet or as directed by the Contracting Officer.

b. The Contractor shall layout its work from Government established baselines (centerline of the channel) and bench marks (established gages) indicated on the drawings and shall be responsible for all measurements in connection with the layout.

c. Should the Contractor be given other dredging assignments in the Secondary Dredging Regions listed in the paragraph of Section 02328 – Dredging, entitled “Secondary Dredging Regions”, details of the survey requirements for the respective regions will be given to the Contractor by the Contracting Officer's Representative prior to the start of work.

#### 3.1.2 After Dredging Cross Sections

After dredging cross sections shall be provided, as directed, to the Contracting Officer's Representative. Channel cross section intervals shall be 500 ft full channel. Cross section soundings shall be taken with  $\pm 20$  ft tolerance from the perpendicular cross sectional line to the channel centerline. Distance between soundings on each cross section shall be between 10 ft and 20 ft apart and shall not exceed 20 ft on an azimuth normal to the centerline of the cut. Soundings obtained from the depthsounder charts shall be picked from the top of the true bottom line. Reflected lines (fluff lines) from lighter sedimentary materials will be disregarded. Soundings should be chosen to the nearest 0.1 ft precision specified in paragraph 1.4.3 entitled “Depthsounders”. The depthsounder charts shall be furnished to the Government. The after dredging surveys shall be furnished to the Government not later than 3 days after the completion of the cross section. Data shall be furnished to the Government in a computerized IBM-compatible structured ASCII format on magnetic media. Each disk submitted shall bear a pre-printed disk label that provides for disk contents, have a write protect seal mechanism, and provide a space to indicate disk virus check. All disks submitted shall be virus checked, cleared of viruses if necessary, and all disk label entries completed.

b. The actual location of each sounding taken on each before dredging cross section range shall be provided. This information shall be recorded in the form of a printout tabulation. Soundings shall be to the nearest 0.1-ft precision, shall be expressed in feet, and shall be referenced to 0.0 MLG (mean low gulf). This information shall also

be plotted on a printout sheet, 1 in. = 100 ft horizontal: 1 in. = 10 ft vertical scale, along with a section showing the required dredging dimensions. The time, date, and applicable gauge reading to the survey shall be shown. The applicable gauge shall be read to the nearest 0.1 ft precision prior to and after each day's survey. More frequent readings may be required when directed by the Contracting Officer or his/her authorized representative.

### 3.2 CHANNEL BOTTOM GRAB SAMPLING

#### 3.2.1 Before Dredging

For each one-mile interval within an assignment the Contractor shall obtain one (1) before-dredging channel bottom grab sample at the mid-way point of each one-mile interval. The samples shall be taken subsequent to the before- dredging channel cross section surveys.

#### 3.2.2 Grab Sampling Device

The type of grab sampling device the Contractor intends to use to sample materials, and sampling methods, shall be approved by the Contracting Officer's Representative before sampling begins. Typical grab sampling device types are termed as follows: Petersen, Ponar, van Veen, Smith-McIntyre, and Ekman grab samplers. These devices are described in detail in Dredging Operations Technical Support Program, Technical Report No. D-90- 11, "Selected Tools and Techniques for Physical and Biological Monitoring of Aquatic Dredged Material Disposal Sites". For more information, this report may be requested, upon availability, from the US Army Corps of Engineer Research and Development Center, 3909 Halls Ferry Road, Vicksburg, Mississippi 39180-6199.

#### 3.2.3 Samples

Samples from each sampling location shall consist of at least 19 liters (5 gallons) of channel bottom materials. Multiple grab samples may be necessary from each specified location in order to obtain the required volume of material per location. Upon retrieval, each sample shall be preserved in a sturdy, sealed sample container that will contain the full required material volume, and shall be approved by the Contracting Officer's Representative.

#### 3.2.4 Sample Identifications

Sample containers shall be clearly labeled with the contract number, date and time of the sampling, sample retrieval location (channel C/L Station and "X" and "Y" Lambert coordinates), corrected depth/elevation of sampling below water surface (FT M.L.G.), grab sampling device type, visual classification of material, and name of field technician performing the work. Each before dredging grab sample shall be identified as "BD#", where the "#" shall be consecutive numbering starting from "1". Complete

grab sample identification shall be recorded on a copy of the form located at the end of this section. The completed form shall be placed in a sealed plastic bag (compatible to a zip lock bag) and shall be securely affixed to the respective sample container. A copy of each completed sample label shall be submitted with the sample and to the Government Inspector for inclusion in the Daily Report of Operations.

### 3.2.5 Inspection Of Samples

(1) Samples shall be made available for inspection by the Contracting Officer's Representative. After this inspection is complete, and no more than 96 hours after sampling, the Contractor shall deliver the sample to the New Orleans District, USACE, 7400 Leake Avenue, New Orleans, LA 70118, ATTN: Mr. Vernon Leufroy/CEMVN-ED-FG-P, Room 105.

(2) No samples will be accepted on Saturday, Sunday, or Federal Holidays. If a Federal Holiday falls on a Friday or Monday, and the 96 hour limit expires on that day, the sample will be accepted on the following working day without any assessment for late delivery.

<b>DELIVER TO:</b>	<b>U.S. Army Corps of Engineers New Orleans District 7400 Leake Avenue New Orleans, LA 70118</b>
<b>ATTN:</b>	<b>Mr. Vernon Leufroy 504-862-1870 CEMVN-ED-FG-P Rm. No. 105.</b>

GRAB SAMPLE IDENTIFICATION LABEL

MISSISSIPPI RIVER GULF OUTLET, 2004 MAINTENANCE DREDGING, BAR  
CHANNEL HOPPER DREDGE RENTAL NO. 2-2004, ST. BERNARD AND  
PLAQUEMINES PARISHES, LOUISIANA

Reproduce form as necessary, complete for each sampling effort, and securely affix to corresponding sample container. Refer to paragraph 01331-3.2.4 of the specs for details on completing this form.

CONTRACT NO.: \_\_\_\_\_ DATE: \_\_\_\_\_

SAMPLE NO. BD-\_\_\_\_\_ TIME: \_\_\_\_\_

SAMPLE LOCATION:C/L Sta. \_\_\_\_\_

X= \_\_\_\_\_

Y= \_\_\_\_\_

CORRECTED DEPTH BELOW WATER SURFACE [FT MLG]= \_\_\_\_\_

GRAB SAMPLING DEVICE TYPE USED: \_\_\_\_\_

VISUAL MATERIAL CLASSIFICATION: \_\_\_\_\_

SAMPLING PERFORMED BY: \_\_\_\_\_

PROJECT INSPECTOR'S INITIALS: \_\_\_\_\_ DATE RECEIVED: \_\_\_\_\_

## 3.4.10 Partial List of NMFS-Approved Sea Turtle Observers

<p>Dr. L. M. Ehrhart Dept. of Biological Science University of Central Florida P.O. Box 25000 Orlando, FL 32816 407-823-2970 Fax: 407-283-5769 lehrhart@pegasus.cc.ucf.edu</p>	<p>A.I.S. Inc. (P.O.C. Arv Poshkus) 19 Camden Street P.O. Box 421 Stoughton, MA 02072-0421 800-230-8032 Fax: 781-297-7669 ARVIDAS1@juno.com</p>	<p>Mary Jo Barkaszi ECOES, Inc. 7341 Glenwood Road Cocoa, FL 32927 321 635-8477 Fax: 321-635-8449 maryjo@eco.es.com www.ecoes.com</p>
<p>Jane Provancha Dynamac Corporation DYN-2 Kennedy Space Ctr., FL 32899 321-853-6578 Fax: 321-853-6543 Jane.Provancha@esc.patrick.af.mil</p>	<p>Dr. James Richardson Institute of Ecology University of Georgia Room 103, Ecology Building Athens, GA 30602 706-542-2968 Fax: 706-542-6040 <a href="mailto:rainforestry@earthlink.net">rainforestry@earthlink.net</a></p>	<p>Trish Bargo, * REMSA, Inc. 124 W Queens Way Hampton, VA 23669 757-722-0637 Fax: 757-722-0638 Cellular: 757-544-0295 trish@remsameso.com</p>
<p>Gregg Gitschlag NMFS, Galveston Laboratory 4700 Avenue U Galveston, TX 77550 409-766-3517 Fax: 409-766-3508 Gregg.Gitschlag@noaa.gov</p>	<p>R. Eric Martin Ecological Associates, Inc. P.O. Box 405 Jensen Beach, FL 34958 561-334-3729 Fax: 561-334-4925 eai@gate.net</p>	<p>Andrea Balla-Holden, Marine &amp; Marine Life Consulting 5988 SE Kelsey Court Port Orchard, WA 98367 360-769-5934: Office 360-769-4195: Fax MarineMarineLife@aol.com</p>
<p>Christopher Slay, President * Coastwise Consulting (Environmental Consultants - Land, Sea, Air) 173 Virginia Avenue Athens, GA 30601 706-543-6859 904-261-8518 Fax/Tel cslay@att.net</p>	<p>Richard Alboth Tiny's Marine Environmental Services 7 Rogers Street Randolph, MA 02368 Cellular: 321-431-6502 tinysvc@aol.com</p>	<p>Robert K. Metzger * Relocation Trawling Biologist 1327 N. Wheaton Dr. St. Charles, MO 63301-0881 636-946-6464 Tel/Fax 314-265-4806: Cell metzgerr@swbellnet</p>

\* Contractors that also provide sea turtle trawling and relocation services.