

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. 0001		3. EFFECTIVE DATE 3-Feb-2003	4. REQUISITION/PURCHASE REQ. NO. N25PHS-2301-3926	J	1
6. ISSUED BY CONTRACTING DIVISION WANAMAKER BUILDING 100 PENN SQUARE EAST PHILADELPHIA PA 19107-3390		CODE DACW61	7. ADMINISTERED BY (If other than item 6) US ARMY ENGINEER DISTRICT, PHILADELPHIA POC: SANDI FLETCHER WANAMAKER BUILDING 100 PENN SQUARE EAST PHILADELPHIA PA 19107-3390		CODE E5CTCSGF
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X	9A. AMENDMENT OF SOLICITATION NO. DACW61-03-B-0001
				X	9B. DATED (SEE ITEM 11) 17-Jan-2003
					10A. MOD. OF CONTRACT/ORDER NO.
					10B. DATED (SEE ITEM 13)
CODE		FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<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.					
<b>Maint. Dredging, Wilmington Harbor</b>					
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
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.) THIS AMENDMENT DOES NOT EXTEND THE 18 FEBRUARY 2003 BID OPENING DATE AT 11:00 AM					
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)		
15B. CONTRACTOR/OFFEROR  _____ (Signature of person authorized to sign)		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED

14. DESCRIPTION OF AMENDMENT (continued)

a. SF 1442 AND BIDDING SCHEDULE: Section 00010, Page 3 - Please delete page 00010-3 in its entirety and substitute the new page of the same number, annotated Amendment No. 0001, attached hereto.

b. SECTION 00800 - SPECIAL CONTRACT REQUIREMENTS:

(1) TABLE OF CONTENTS, SPECIAL CONTRACT REQUIREMENTS - Please delete page i, the TABLE OF CONTENTS, SPECIAL CONTRACT REQUIREMENTS, in its entirety and substitute the new page of the same number, annotated Amendment No. 0001, attached hereto.

(2) SECTION 00800 - SPECIAL CLAUSES - Please delete page 00800-3 in its entirety and substitute the new page of the same number, annotated Amendment No. 0001, attached hereto.

(3) SECTION 00800 - SPECIAL CLAUSES- Please delete page 00800-5 in its entirety and substitute the new page of the same number, annotated Amendment No. 0001, attached hereto.

(4) SECTION 00850 - ABSTRACT OF BOTTOM SAMPLES - Please add page 00850-1, "ABSTRACT OF BOTTOM SAMPLES", annotated Amendment No. 0001, attached hereto.

c. TECHNICAL SPECIFICATIONS:

(1) Section 02325 - DREDGING: Please delete page 02325-2 in its entirety and substitute the new page of the same number, annotated Amendment No. 0001, attached hereto.

(2) Section 02325 - DREDGING: Please delete page 02325-10 in its entirety and substitute the new page of the same number, annotated Amendment No. 0001, attached hereto.

d. CONTRACT DRAWINGS: Drawing Nos. 61821 and 61822 - Please delete Drawing Number 61821, "SOUNDINGS, STA. 000+00 TO STA. 6+236.8", and Drawing Number 61822, "SECTIONS", in their entirety and substitute the revised sheets, of the same Drawing Numbers, with a revision date of 30 Jan 2003, attached hereto.

e. Please indicate receipt of this amendment on Standard Form 1442 (SOLICITATION, OFFER, AND AWARD) as Amendment No.0001. Failure to acknowledge all amendments may be cause for rejection of the bid.

BIDDING SCHEDULE  
 (To be attached to SF 1442)

Item No.	Description	Estimated Quantity	Unit	Unit Price	Estimated Amount
1.	Mobilization & Demobilization	1	JOB	L.S.	\$
2.	Removal & Satisfactory Disposal of Material	<b>425,761</b>	CY	\$	\$
	Adjustment in bid price if Contractor-furnished disposal areas, described as hereinafter specified, are used, deduct	1	JOB	L.S.	(\$ )
TOTAL ESTIMATED AMOUNT					\$

NOTE: Bidders must bid on all items.

ACCEPTANCE OF ADJUSTMENT FOR CONTRACTOR-FURNISHED DISPOSAL AREAS: Award of the contract on the basis of using Contractor-furnished disposal areas will be subject to the acceptance of these disposal areas by the Contracting Officer. The Contractor shall be required to obtain all applicable Federal and State approvals as specified in SECTION:01040 COORDINATION FOR CONTRACTOR-FURNISHED DISPOSAL AREAS of the Specifications. Failure by the bidder to furnish these approvals with the bid at the time of the bid opening will result in the bid for use of the Contractor-furnished disposal areas to be rejected as being non-responsive.

If the bidder proposes to use disposal areas other than those stipulated in the specifications, an adjustment in the bid price based on acceptance of the Contractor-furnished areas shall be entered as an adjustment item in the Bidding Schedule and the net total bid price. If the bid is based on the use of Contractor-furnished areas, the bidder shall execute DESCRIPTION OF DISPOSAL AREAS form, complete in accordance with the notations thereon, and shall submit the form with the bid. The bid shall adequately describe such Contractor-furnished areas and shall be accompanied by the written permission of the land owners. Description of Contractor-furnished areas shall include location, size and capacity of each area. If the bidder proposes to use both the Government-furnished areas shown on the contract drawings and Contractor-furnished areas, he shall describe in his bid the portion or portions of all the areas which will be used and the estimated quantity of dredged material to be placed in each area.

TABLE OF CONTENTS  
SPECIAL CONTRACT REQUIREMENTS

00800	SPECIAL CLAUSES
00805	CONTRACT ADMINISTRATION
00815	WAGE RATES
00835	REGIONS FOR THE CONSTRUCTION EQUIPMENT OWNERSHIP AND OPERATIONS EXPENSE SCHEDULE
00845	SURVEY CONTROL DESCRIPTION SHEETS
<b>00850</b>	<b>ABSTRACT OF BOTTOM SAMPLES</b>

Drawing No.	Subtitle	Date	Latest Revision Date
61820	General Plan & List of Drawings	17 Jan 2003	None
<b>61821</b>	<b>Soundings</b> <b>Sta. 000+00 to Sta. 6+236.8</b>	<b>17 Jan 2003</b>	<b>30 Jan 2003</b>
<b>61822</b>	<b>Sections</b>	<b>17 Jan 2003</b>	<b>30 Jan 2003</b>
61823	Wilmington Harbor South Disposal Area	17 Jan 2003	None

SC-4 PHYSICAL DATA (APR 1984)

Data and information furnished or referred to below is for the Contractor's information. The Government shall not be responsible for any interpretation of or conclusion drawn from the data or information by the Contractor. (FAR 52.236-4)

a. The indications of physical conditions on the drawings and in the specifications are the result of site investigations by surveys. Samples of material to be dredged and dated as shown were obtained by using harpoon and bottle samplers. New samples will be taken and included as an amendment prior to bid opening.

b. Tide Data. The mean range of tides in the Delaware River opposite the mouth of the Christina River is 5.6 feet. The elevation of mean low water is +1.56 feet above the Corps of Engineers Christina River Datum (CRD). The maximum velocity of the normal tidal current is approximately 1/3 mile per hour.

c. Weather Conditions. The site of the work is sheltered from storms. It is believed that work can be performed during all seasons of the year except during winter months when ice conditions may interfere with dredging operations. Complete weather records and reports may be obtained from the local U.S. Weather Bureau Office nearest to the work site. The Contractor shall satisfy himself as to the hazards likely to arise from weather conditions during the construction period.

d. Channel Traffic. Traffic in the work area consists of ocean going and coastwise vessels, tugs and barges, and pleasure craft. Passing vessels may interfere with dredging operations. Vessels docked at the Wilmington Harbor Marine Terminal may extend into the Federal Navigation Channel. It is the Contractor's responsibility to schedule dredging around shipping schedules.

e. Conditions of Channel and Turning Basin. The Contract Drawings are representative of typical channel and turning basin conditions. There are no cables, pipelines or submarine structures crossing the area to be dredged. There is a buried AT&T telephone cable in the area to be traversed by the discharge pipeline. The Contractor should be aware that a section of the riverbank along the high water line (HWL) in the vicinity of the Bellevue Rear Light access walkway has eroded. Due to this erosion a portion of the high voltage cable located directly west of this structure is now exposed. The Contractor must exercise extreme caution if working in this area. The channel conditions shown on the contract drawings represent the results of surveys made on the dates indicated and can only be considered as indicating the general conditions at that time.

f. Obstruction of Channel. The Government will not undertake to keep the

SUFFICIENTLY IN ADVANCE OF THE PLANNED CLOSING TO PREVENT DELAY TO THE DREDGING OPERATIONS AND COMPLY WITH THE COAST GUARD REQUIREMENTS. The minimum depth to the top of any submerged pipe shall not be less than 35 feet Christina River Datum (CRD) between stations 0+000 and 1+975 or 38 feet CRD between station 1+975 and 6+236.

j. Bridge to Bridge Radio Telephone Equipment. In order that radio telephone communication may be with passing vessels, all dredges engaged in work under the contract shall be equipped with and operate bridge-to-bridge radio telephone equipment. The radio telephone equipment shall operate on VHF Channel 13 (156.65 MHz) with low power output having a communication range of approximately ten miles. The frequency has been approved by the Federal Communication Commission.

k. The most recent dredging of this project was completed under Contract No. DACW61-02-C-0038 by Norfolk Dredging Company. Work under this contract was completed 07 August 2002. Dredging between station 0+000 and 1+975 was completed to a required depth of 35' MLW plus 1' allowable overdepth and 1+975 to 6+236 was dredged to a required depth of 38' MLW plus 1' allowable overdepth.

l. Disposal Areas: The following Government-furnished disposal area is available for use under this contract: Wilmington Harbor South Disposal Area. Dike preparation by the Contractor will not be required for this contract. The area is south of the Christina River and east of Interstate 495. A drawing showing the disposal area is enclosed in the Contract Drawings. The drawing is marked to indicate approved discharge pipe limits within the disposal area. It is requested that the dredge discharge pipeline location and limits be coordinated with Harry Faulls, Tel. (215)365-1892 CENAP-OP-PF.

m. Magnitude of the Contract Work. The estimated value of the contract is between \$500,000 and 1,000,000.

n. **"Abstract of Bottom Samples" is included in Section 00850 of this contract.**

o. A Survey control description sheet is included as Section 00845 of this contract.

#### SC-5 LAYOUT OF WORK (APR 1965 OCE)

The Contractor shall lay out its work from Government-provided channel coordinates. The Contractor shall furnish, at its own expense, such stakes, templates, platforms, equipment, range markers and labor as may be required in laying out any part of the work from the channel coordinates furnished by the Government. The Contractor shall be responsible for executing the work to such lines and grades. The Contractor must have real time differential GPS positioning in accordance with the Corps survey manual, class 1 survey requirements for dredge positioning and disposal area layout. The Contractor shall provide real time positioning on a computer screen during dredging, and have the capability of playback in 15-minute intervals. The position must be recorded on disk every 15 minutes and submitted to the Contracting Officer on a monthly basis.(CENAP)

#### SC-6 PERFORMANCE OF WORK BY THE CONTRACTOR (APR 1984)

All Samples with Harpoon

ABSTRACT OF BOTTOM SAMPLES

LOCATION	NUMBER	STATION	NORMAL DISTANCE	MACHINE SOUNDING	LEAD LINE		HARPOON DEPTH	SAMPLE RETAINED	BOTTLE DEPTH	DENSITY	DATE OF SAMPLING	SAMPLING BY	REMARKS
					LIGHT	HEAVY							
Wilmington Harbor													
	52A	1+400	120' North	355	37.2	38.8	41.5	Top 10'		1260	Jan/08/03	Shuman	MUD
	51B	"	"	"	"	"	"	Mid 10'		1275			"
	51C	"	"	"	"	"	"	Bot. 7'		1278			"
Reduced													
	52A	2+800	300' North	34.3	39.3	40.3	43.3	Top 10'		1230			MUD
	52B	"	"	"	"	"	"	Mid 10'		1280			"
	52C	"	"	"	"	"	"	Bot 10'		1312			"
Reduced													
	53A	4+800	4	32.4	37.4	38.4	41.4	Top 10'		1209			MUD
	53B	4+800	"	"	"	"	"	Mid 10'		1282			"
	53C	"	"	"	"	"	"	Bot 10'		1290			"
Reduced													
				30.0	31.4	32.8	36.8						Phil. District Corps of Engineers Christina River Datum

ENCL #3

U.S. ARMY CORPS OF ENGINEERS (USACE)

EM 1110-2-1003 (1 Jan 2002) Hydrographic Survey Manual

EM 385-1-1 (Latest Revision) Safety and Health  
Requirements Manual

1.3 ORDER OF WORK

The Contractor shall commence dredging at station 6+236 and proceed upstream to station 0+000, unless otherwise directed by the Contracting Officer.

1.4 CHARACTER OF MATERIALS

a. The material to be removed to restore the depth to within the limits called for in the specifications and drawings, is that composing the shoaling that has occurred since the channel was last dredged as noted in the Special Clauses. The character of the material is believed to be as indicated by the results of the Government-conducted sampling. **An abstract of bottom samples is included in Section 00850 of this specification.** Material typically dredged in the past consists of dark grey, very soft silt.

b. It is the Government's position that sufficient information has been provided in this contract package to enable the Contractor to establish the type and quantity of material to be removed. However, prior to bidding, the Contractor may, at his discretion and expense, conduct additional investigation to further determine conditions at the site.

1.5 SITE CONDITIONS

Bidders are expected to examine the site of the work, including the disposal area and decide for themselves as to the conditions affecting their operations. See the Contract Clause entitled: SITE INVESTIGATION AND CONDITIONS AFFECTING THE WORK. The entire work site is designated as a hard hat area in accordance with EM 385-1-1.

1.6 FUEL OIL HANDLING

The Contractor shall assure that all fuel oil transfer operations to or from his plant comply with all Federal, state, and municipal laws, codes and regulations. The Contractor shall incorporate in his accident prevention program, submitted in compliance with the Contract Clause entitled: ACCIDENT PREVENTION, sufficient information to demonstrate compliance with 33 CFR 156 and any other applicable laws, codes, and regulations.

1.7 DIFFERENTIAL GLOBAL POSITIONING SYSTEM(DGPS) EQUIPMENT

The Contractor must have a differential GPS, in accordance with the Project Classification Requirements outlined in the Hydrographic Survey Manual EM 1110-2-1003, dated 1 January 2002. The Contractor shall provide real time positioning on a computer screen during dredging, and have the capability of playback in 15 minute intervals. The position must be recorded on a disk every 15 minutes and submitted to the Contracting Officer on a daily basis. The DGPS shall indicate the position of the dredge, each dump scow, as well as an estimated quantity for each scow and location of placement. The position of each scow shall automatically be recorded when the dump

overdepth, is **158,041** cubic yards measured in place. The maximum amount of allowable overdepth dredging, as shown on the drawings and specified herein, is estimated to be **105,000** cubic yards measured in place. As a basis for soliciting bids, the sum of **425,761** cubic yards, measured in place will be used. The following acceptance sections are specified for this contract:

ACCEPTANCE SECTION	Station to Station	TO PROJECT DEPTH 35' (CY)	TO OVERDEPTH 36' (CY)
AS-1	0+000 to 1+975	<b>9,628</b>	<b>25,986</b>
		TO PROJECT DEPTH 38' (CY)	TO OVERDEPTH 39' (CY)
AS-2	1+975 to 3+600	<b>44,321</b>	<b>79,646</b>
AS-3	3+600 to 4+600	<b>53,460</b>	<b>69,168</b>
AS-4	4+600 to 6+236	<b>50,632</b>	<b>65,364</b>
	SURVEY TOTALS	<b>158,041</b>	<b>240,164</b>
	ESTIMATED BID QUANTITY	<b>425,761</b>	

### 3.6 LIMIT OF DREDGING

#### 3.7.1 General

The area to be dredged is within the limits indicated on the Contract Drawings and specified in the Special Clause entitled: FINAL EXAMINATION AND ACCEPTANCE, as defined by dredging prism indicated in the Paragraphs entitled: OVERDEPTH AND SIDE SLOPES and MEASUREMENT AND PAYMENT, of this section.

#### 3.6.1 Quantity Acceptance

The Contractor is responsible for completing all dredging requirements for any one acceptance section prior to acceptance of the work by the Government. In any portion of an acceptance section, when the before dredging survey indicates dredging is required, the Contractor is responsible for removing any material found to be remaining above the required depth by the after dredging survey, unless such dredging is waived by the Contracting Officer. Material removed as a result of redredging within the dredging prism, will be paid for at the contract unit price and as determined by the quantity calculation resulting from the before dredging survey. In any portion of an acceptance section, when the after dredging survey indicates dredging is required that was not indicated by the before dredging survey, the Contractor shall be responsible for removing such material to the required depth, unless waived by the Contracting Officer. The Contractor will be paid for such work at the contract unit price and an additional quantity calculation will be made based on the after dredging survey, provided that the material is not determined by the Contracting Officer to be misplaced material.

### 3.7 CONTRACTOR QUALITY CONTROL