

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. 0005	3. EFFECTIVE DATE 22-Jul-2003	4. REQUISITION/PURCHASE REQ. NO. W25PHS-3090-8556		1 4
6. ISSUED BY US ARMY ENGINEER DISTRICT, PHILADELPHIA CONTRACTING DIVISION WANAMAKER BLDG, 100 PENN SQ EAST PHILADELPHIA PA 19107-3390	CODE DACW61	7. ADMINISTERED BY (If other than item 6) See Item 6		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		X	9A. AMENDMENT OF SOLICITATION NO. DACW61-03-R-0019	
		X	9B. DATED (SEE ITEM 11) 18-Jun-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 <u>1</u> 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)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. 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.) The above solicitation is amended as follows. The date and time set for receipt of proposals remains unchanged. Section C, Specifications: Pages C-14 and C-16 annotated Amendment 0002, and page C-17 are deleted and substituted with the attached pages numbered C-14, C-16, and C-17, annotated Amendment 0004. Offerors should acknowledge this Amendment by signing and returning one copy with their proposal. Failure to acknowledge an amendment may lead to rejection of the offer. All other information remains the same.				
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)		23-Jul-2003

C130 COMPARTMENT CAPACITIES

Tank capacity tables shall be provided for all ballast and consumables tanks.

Sounding tables in gallons per inch shall be provided for all tanks in their final configuration. The sounding tables shall be presented in tabular form with one tank per page on 8 1/2" x 11" paper using the GHS computer software. Each table shall include the identity of the tank (as labeled on the drawings), its location in the vessel and the center of gravity (longitudinally, vertical and transversely) of the fluid at each sounding level. The compartmentation definition files shall be submitted in electronic format with the sounding tables.

The minimum tank capacities shall be as follows:

- Fuel Oil Storage 7,500-gallons
- Fuel Oil Day 200-gallons
- Potable Water 2,000-gallons
- Oily Bilge 500-gallons
- Waste Oil 250-gallons
- Hydraulic Oil 250-gallone
- Lube Oil 275-gallons

Inage capacity sounding tables shall be provided for all tanks identified above. Tables shall note location of the sounding tube, and location and height of striker plate above the baseline and tank bottom.

C150 DAMAGED STABILITY

The vessel shall meet a one compartment damaged stability standard in the most critical transit loading condition where with any one compartment flooded, the vessel shall maintain positive righting arm and all parts of the hull above the margin line remain above the flooded waterline. The margin line shall be 3 inches below the main deck edge.

Damaged stability calculations shall show equilibrium water lines, curve of righting arm versus heel angle in 5-degree or less increments to capsizes angle for each flooded compartment. The freeboard shall be reported at the four deck corners, and at each deck knuckle for each damaged condition.

The Contractor shall prepare a damaged stability analysis for the vessel during the Engineering Phase of this contract verifying compliance with this criterion. Any calculations showing a failure to meet this criteria shall be reported in a timely manner to the COR with recommendations for correction. The analysis shall be performed using the GHS computer software and all run files and macros used in calculating the damaged stability shall be submitted with the analysis in electronic format. The analysis shall be repeated using the lightship weight determined by the ~~inclining experiment~~ deadweight survey after completion of the vessel (prior to Final Acceptance).

The damaged stability calculations shall be presented in report form with a cover sheet complying with the drawing standards and including a drawing type title block. The report shall include a table of contents, summary, explanation of all assumptions and clear definition of origins and units used, and the finished calculations.

C. CALCULATIONS

The calculations shall be performed using the GHS computer software. Other proven (ABS and USCG accepted) Naval Architecture software may be used after notification to, and approval by, the Contracting Officer. All run files and macros used in the calculations shall be submitted with the analysis in electronic format. (Note: Section C125 requires the hydrostatics to be performed using the GHS computer software and the hull definition file (or *.gf file) to be provided in electronic format (on a 3.5 inch disk or CD ROM) with the hydrostatics submittal.)

The intact stability calculation shall be presented in report form with a cover sheet complying with drawing standards and including a drawing type title block (see contract Clause H13). The report shall include a table of contents, summary, explanation of all assumptions and clear definition of origins and units used and the finished calculations.

D. TRIM & STABILITY BOOKLET

The Contractor shall prepare a Trim and Stability booklet for the vessel during the Engineering Phase of the contract documenting compliance with the criteria. The booklet shall assist the Master in assessing the stability and anticipated inclinations of the vessel, by include the following:

- Instructions to the Master.
- Tank capacities.
- Hydrostatics data.
- Plots of maximum KG vs. Draft.
- Procedure for trim and stability calculations.
- Calculated loading conditions.

The Contractor shall verify that the vessel can achieve a 17-foot air draft in the following condition:

- Ballasted down.
- 10% consumables.
- Spuds stowed on deck.
- Material handler machine not on board.
- No special fixed ballast.

Thirty days prior to Final Inspection of the vessel, the Contractor shall provide a final Trim and Intact Stability Booklet for that vessel determining loading procedures to maintain a stable platform throughout the loading process. The lightship weight of the vessel shall be that determined from the ~~Inclining Experiment~~ Deadweight survey.

C170 DRY DOCKING PLAN

The Contractor shall develop a dry docking plan for the vessel. The dry docking plan shall be developed to show the blocking for dry-docking. It shall show all major hull structure on the bottom, all hull penetrations, all transverse and longitudinal bulkheads connecting with the bottom shell, the sea chests, the transducer wells, any anodes, and other features, which could interfere with the setting and shifting of the blocks.

The dry docking plan shall include an alternate blocking arrangement to allow for the servicing of all areas of the bottom of the vessel.

The plan shall identify the size (foot print) of blocks supporting the hull and the maximum block loading (KP/foot-squared). The blocks shall be located to evenly distribute the loads and avoid undue stresses within the hull structure. Blocks shall be located in way of main structural longitudinal and transverse bulkheads wherever possible. Where blocking is located on frames other than bulkheads, appropriate docking brackets shall be designed and installed within the hull. Docking bracket details shall be shown on the structural drawings. If the end(s) of the vessel are unsupported, the Contractor shall provide calculations with drawing submittal showing that the hull strength is adequate to handle the cantilevered load.

The dry docking plan shall also include the following:

- Lightship weight as determined by the ~~Inclining Experiment~~ Deadweight survey and its CG.
- Full load weight as determined by the as-built Stability Calculations.