

SOLICITATION, OFFER AND AWARD			1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)		RATING	PAGE OF PAGES 1 229	
2. CONTRACT NO.	3. SOLICITATION NO. W912BU-04-R-0025	4. TYPE OF SOLICITATION [] SEALED BID (IFB) [X] NEGOTIATED (RFP)	5. DATE ISSUED 15 Jul 2004	6. REQUISITION/PURCHASE NO. W25PHS-4156-9731			
7. ISSUED BY US ARMY ENGINEER DISTRICT, PHILADELPHIA CONTRACTING DIVISION WANAMAKER BUILDING 100 PENN SQUARE EAS PHILADELPHIA PA 19107-3390		CODE W912BU	8. ADDRESS OFFER TO (If other than Item 7) See Item 7				
TEL: FAX:		TEL: FAX:					

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

SOLICITATION

9. Sealed offers in original and 3 copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handcarried, in the depository located in _____ until 01:30 PM local time 17 Aug 2004
(Hour) (Date)

CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.

10. FOR INFORMATION CALL:	A. NAME CATHERINE T SCHOENHERR	B. TELEPHONE (Include area code) (NO COLLECT CALLS) 215-656-6764	C. E-MAIL ADDRESS Catherine.T.Schoenherr@usace.army.mil
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OFFER (Must be fully completed by offeror)

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within _____ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause No. 52.232-8)	
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14. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated):	AMENDMENT NO.	DATE	AMENDMENT NO.	DATE

15A. NAME AND ADDRESS OF OFFEROR	CODE	FACILITY	16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)
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15B. TELEPHONE NO (Include area code)	<input type="checkbox"/> 15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE.	17. SIGNATURE	18. OFFER DATE
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AWARD (To be completed by Government)

19. ACCEPTED AS TO ITEMS NUMBERED	20. AMOUNT	21. ACCOUNTING AND APPROPRIATION	
22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c)() <input type="checkbox"/> 41 U.S.C. 253(c)()		23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	ITEM
24. ADMINISTERED BY (If other than Item 7)	CODE	25. PAYMENT WILL BE MADE BY	CODE
26. NAME OF CONTRACTING OFFICER (Type or print) TEL: EMAIL:		27. UNITED STATES OF AMERICA (Signature of Contracting Officer)	28. AWARD DATE

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

Design, Construct, Test and Deliver a steel Maintenance Gate Barge for the Corps of Engineers, Rock Island District for use in support of their navigation and maintenance missions on the Mississippi River and its tributaries, in accordance with the attached plans and specifications. In addition, one option line item may be awarded for gate lashing components:

<u>ITEM NUMBER</u>	<u>ITEM</u>	<u>QTY.</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
0001	CEMVR Maintenance Gate Barge	1	VESSEL		
0001AA	<u>PLANNING</u> (The submittals required for "Planning" are listed in contract clause H02.). This item is initiated by a Notice To Proceed (NTP) issued by the Contracting Officer.	1	LUMP SUM	XXXX	\$ _____
0001AB	<u>ENGINEERING AND SCHEDULING</u> (The submittals required for "Engineering and Scheduling are listed in contract Clause H02.). This item is initiated only by a Notice To Proceed issued by the Contracting Officer. The Contractor may not start this item until he receives a Notice To Proceed for this item.	1	LUMP SUM	XXXX	\$ _____
0001AC	<u>CONSTRUCT, TEST AND DELIVER</u> the vessel (The submittals for "Construct, Test and Deliver" are listed in contract Clause H02.). This item is initiated only by a Notice To Proceed issued by the Contracting Officer. The Contractor may not start this item until he receives a Notice To Proceed for this item.	1	LUMP SUM	XXXX	\$ _____
	TOTAL ITEM 0001	1	VESSEL	XXXX	\$ _____

<u>ITEM NUMBER</u>	<u>ITEM</u>	<u>QTY.</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
0002	Gate Lashing Components	1	LUMP SUM	XXXX	\$ _____
TOTAL FOR PROPOSAL (ITEMS 0001 and 0002)					\$ _____

INSERT LOCATION OF THE SHIPYARD WHERE THE WORK WILL BE PERFORMED:

The Government may reject an offer as non-responsive if it is materially and mathematically unbalanced as to price for any offered item or combination of offered items. An offer is unbalanced when it is based on prices significantly less than cost for some work and prices, which are significantly overstated for other work.

Refer to contract Section M for EVALUATION FACTORS FOR AWARD criteria.

If the Government exercises option line item 0002, the option shall be exercised at or prior to notice to proceed for Phase III, CONSTRUCT, TEST, and DELIVER of line item 0001.

**PART I - THE SCHEDULE - SECTION C
DESCRIPTION/SPECIFICATION/WORK STATEMENT**

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**PART I - THE SCHEDULE - SECTION C
DESCRIPTION/SPECIFICATION/WORK STATEMENT**

C000 GENERAL

C001 DESCRIPTION

The Marine Design Center of the U.S. Army Corps of Engineers (USACE) has issued this solicitation for acquisition of one welded steel maintenance gate barge, in support of the civil works maintenance and repair mission of the USACE Rock Island District. In addition, an option for gate lashing components for supporting the gate on the barge, may be awarded.

The vessel shall be constructed in accordance with the provisions of this specification, and as shown on the Contract Drawing.

The vessel shall be of welded steel construction and shall have raked ends with a cambered deck. The deck shall not contain sheer. The vessel shall be provided with four towknees on each end. The towknees shall be located symmetrically about the vessel centerline, two port and two starboard, spaced as shown on the contract drawing.

The vessel will be used in scheduled lock maintenance operations year-round, or in emergencies. The vessel will operate on the Mississippi and Illinois Rivers and provide assistance to other USACE Districts.

The vessel will stow maintenance gate modules and enable erection of complete gate leafs for temporary installation in lock chambers to facilitate service gate repairs.

The vessel will work in still water alongside a floating crane inside the lock chambers. Maintenance gates will be stowed on the deck, transported to site, assembled and picked from the vessel by a floating crane. Service gates will be removed from the lock chamber and set on barge deck sills located amidships. Lashings are used to secure the gate to the deck.

The vessel is capable of operating in both shallow and ice and drift-strewn rivers.

C002 PRINCIPAL CHARACTERISTICS

The principle dimensions of the vessel shall be as follows:

Construction Material.....	ABS approved steel
Length (Overall)	301'- 0" (approx.)
Length (Molded).....	300'- 0"
Beam (Overall).....	40'- 4"
Beam (Molded).....	40'- 0"
Draft	6'-0" (max.)
Bow.....	Raked
Stern.....	Raked

Hull depth may vary between 10'-0" and 12'-0", depending upon the Contractor's design. However, 6'-6" minimum clear headroom must be provided throughout the storerooms. No bottom or under deck structure may extend into the 6'-6" headroom envelope.

C003 DESIGN STANDARDS

The vessel to be provided under this contract shall be constructed in accordance with the rules, regulations and standards of the following Regulatory Agencies (latest edition) and other organizations (latest edition) as noted in the individual specifications sections:

- U.S. Army Corps of Engineers, Publication No. EM 385-1-1; "Safety and Health Requirements Manual." <http://www.usace.army.mil/inet/usace-docs/eng-manuals/em385-1-1/toc.htm>
- American Bureau of Shipping (ABS) "Rules for Building and Classing Steel Vessels for Service on Rivers and Intracoastal Waterways" 1997.
- American Bureau of Shipping (ABS) "Rules for Steel Barges", 1991.
- American Bureau of Shipping (ABS) "Rules for Building and Classing Steel Vessels", 2004.

- American Institute of Steel Construction (AISC) Allowable Stress Design Manual (ASD), Ninth Edition, 1989.
- American Bureau of Shipping (ABS) “Guide For Shipbuilding and Repair Quality Standard for Hull Structures During Construction”, July 1998.
- American Bureau of Shipping (ABS) Guide for Certification of Container Securing Systems, 1988.
- American Welding Society "Guide For Steel Hull Welding", ANSI/AWS D3.5-85.
- The National Shipbuilding Research Program (NSRP 0490) “Industrial Standards for Hull Structural Penetration Design Criteria and Details”, January 1998.
- U.S. Coast Guard Regulation 46 CFR Subchapter C – Uninspected Vessels.
- U.S. Coast Guard Regulation 46 CFR Subchapter J – Electrical Engineering.
- U.S. Coast Guard Regulation 46 CFR Subchapter S - “Subdivision and Stability.”
- U.S. Coast Guard Regulation 33 CFR Part 164, Navigation Safety Regulations.
- U.S. Navy Design Manual NAVFAC DM-25.1, “Piers and Wharves” (to be replaced late 2004 by MILHDBK 1025-1, “Piers and Wharves”)
- Institute of Electrical and Electronic Engineers Standard, Publication No. IEEE-45 – Recommended Practice for Electrical Installation on Shipboard.
- Institute of Electrical and Electronic Engineers Standard, Publication No. IEEE Std. 519-1992.
- Illuminating Engineering Society, “Recommended Practice for Marine Lighting”, RP-12-97.
- National Electrical Code (NEC).

C004 CLASSING AND CERTIFICATION

The Contractor shall be responsible for preparing necessary drawings and calculations, obtaining necessary regulatory body reviews and approvals, obtaining necessary inspections and surveys during construction and for the certification and classing of the vessel as follows:

- ABS Classification “Maltese Cross, A-1, BARGE, River Service”, with “Reinforcement B” notation.

The Contractor shall bear all expenses associated with the acquisition of the required classing and certifications. The recommended ABS point of contact is Mr. Glenn Ashe, who can be reached by phone, or mail, at: (703) 518-0801, Gashe@eagle.org, or 1321 Prince Street, Suite 200, Alexandria, VA 22314.

If the Contractor intends to launch, test, operate, or tow the barges “out of class,” the Contractor must specifically advise ABS of such intent and incorporate any and all modifications required by that agency for such operation at no additional cost to the Government and with no additional contract time. Any such modification which, in the opinion of the COR, affects the arrangements, operability or suitability of the barges shall be removed from the barges by the Contractor at no additional cost or time and the barges returned to new condition prior to Final Acceptance.

Note that this contract requires structural analysis above the minimum requirements of ABS. See Contract Clause C160 and C305.

The Contractor shall obtain an ABS Statement of Fact Letter, documenting that the vessel longitudinal strength meets the requirements set forth in Clause C160(B).

The Contractor shall obtain an ABS Statement of Fact that the vessel deck, together with above deck fittings and structure, as well as under deck structure, meets the requirements and criteria set forth in Clauses C300(D)-C300(H).

C005 VESSEL IDENTIFICATION

The barges to be acquired through this solicitation have been assigned the following Name and Marine Design Center hull and project numbers:

MDC Project Number2492

MDC Hull617

Vessel Name To be determined

The MDC hull number shall be used on all document and drawings numbers. The Government will provide the Contractor with the vessel name as soon as possible, after Contract award.

For the purposes of document and drawing preparation, the title "CEMVR MAINTENANCE GATE BARGE" shall be used.

C010 DEFINITIONS

The following definitions are applicable to phrases and acronyms used throughout this contract:

- COR - Contracting Officer’s Representative - a member of the contract management and quality assurance team authorized by the Contracting Officer to perform certain administrative and managerial duties. A copy of the COR’s authority letter is furnished to the Contractor.
- GFE - Government Furnished Equipment - Equipment, materials or components furnished by the Government to the Contractor for installation in the vessel.
- K.O. - Contracting Officer - A person with the authority to enter into, administer and/or terminate contracts and make related determinations and findings.
- MDC - Acronym for Marine Design Center.
- QC - Quality Control - Quality Control is a function of the Contractor. Refer to Clause E03. Quality Assurance (QA) is a function of the Government.

- USACE - Acronym for United States Army Corps of Engineers.

C025 CONTRACTOR QUALITY STANDARDS

The Contractor shall be responsible for the construction of complete and functioning vessel. The Contractor shall utilize the specified components so as to meet specification requirements utilizing construction and testing methods to ensure that the complete vessel shall conform to the intended design.

Inspection by the Marine Design Center is for the purpose of verifying the proper function of the Contractor's quality control measures and is not to be used as a substitute for control of quality by the Contractor.

A. STRUCTURAL MATERIALS

Unless otherwise specified or noted on the Contract Drawing, all structural hull material shall be in accordance with the following specifications:

- American Bureau of Shipping (ABS), "Rules for Building and Classing Steel Vessels" and "Rules for Building and Classing Steel Vessels for Service on Rivers and Intracoastal Waterways."
- Welding Materials - ABS "Approved Welding Electrodes, Wire-Flux and Wire Gas Combination."

B. STANDARD PARTS AND MATERIALS

All articles, fittings, equipment, machinery, supplies, and materials used in the construction and outfitting of the barges shall be the highest grade, free from defects and imperfections, unused and, be the standard product of reputable manufacturers, to the maximum extent practicable. Any material not specified shall be the best of their kind for the purpose intended.

Materials specified herein to meet the requirements of standard specifications published by national authorities shall conform with the respective editions, including amendments, specified. No salvage materials shall be used in the work.

Bolts, Nuts and Screws - ASTM A307-82, Specification for Carbon Steel Externally and

C. WORKMANSHIP

All labor shall be especially skilled for each kind of work and under competent direction.

In engaging one kind of work with another, marring or damage of previously acceptable construction shall be cause for rejection. All parts of the vessel intended to join or bear upon other parts shall have complete and solid contact and shall fit together without excessive cold work during erection. Shims or liners shall not be used for the purpose of overcoming a bad fit. Lightening holes may be punched or flame-cut and all edges shall have burrs removed. Holes in members having sharp curvature shall be avoided.

D. WELDERS

All welding under this contract shall be done only by welders who have successfully passed qualification tests accepted by the American Bureau of Shipping or other regulatory bodies acceptable to ABS.

The Contractor shall bear the expense of conducting these tests and shall certify, by name to the Contracting Officer, welders who have successfully passed the prescribed tests and hold current, valid certifications.

The Contractor shall require any welder to repeat these tests when in the opinion of the Contracting Officer, the work of the welder indicates a reasonable doubt of his proficiency. In such cases the welder shall be re-certified as above if he successfully passed the retest; otherwise, he shall be disqualified until he has successfully passed the retest.

The Contractor shall maintain records of each welder's certification during the course of the contract. The records are to be available for examination upon request of the Contracting Officer.

E. WELDING

All welding and welding procedures shall be in accordance with the current rules of the American Bureau of Shipping and ANSI/AWS D3.5-85. All welding equipment used on the work shall be of a modern type subject to close control. The electrodes used throughout the work shall be suitable for use with the parent metal at each weld, and be approved by ABS.

Welding procedures, as to direction, length, numbers and sequence of beads, shall be carefully planned to minimize lock-up stresses. Care shall be exercised to produce smooth even

beads, especially on all exposed plating and fittings. Beads shall be ground where directed by the Contracting Officer.

The Contractor shall employ appropriate welding procedures and grounding connections to preclude the possibility of anodic erosion of the hull after launching.

F. INSTALLATION

Materials and equipment shall be installed in accordance with the approved recommendations of the manufacturer, and in compliance with the contract documents. The installation shall be accomplished by workmen skilled in this type of work.

G. PLATE FAIRNESS

Steel plating shall be installed using proper welding procedures and sequences to insure fair, undistorted plating panels. The use of filler materials to surface unfair areas is not acceptable.

Maximum allowable plating distortion is depicted in the "Guide For Shipbuilding And Repair Quality Standard For Hull Structure During Construction" from ABS. Distortion shall not exceed the amounts in this guide.

H. CONSTRUCTION STANDARDS

All material, machinery and equipment shall be new, of current manufacture and suitable for the marine service intended. Spare parts and service shall be readily obtainable.

All material, unless otherwise specified in these specifications or in the drawings, shall be of commercial quality to ASTM, ANSI, or SAE specifications.

During construction and before delivery, the Contractor shall be responsible for protection of all material, equipment, etc., intended for the barges.

The overweight tolerance of members shall be within the limits defined by the specifications of the American Society for Testing and Materials.

All materials shall be free of imperfections due to manufacturing processes and from defects which adversely affect appearance or serviceability.

All sharp edges or projections which constitute a personnel hazard shall be removed or

ground smooth. All notches shall have a radius to prevent stress concentrations.

C040 SCOPE OF WORK

A. CONTRACTOR’S RESPONSIBILITY

The contract consists of three phases:

- Phase I..... Planning
- Phase II Engineering & Scheduling
- Phase III Construction, Tests & Delivery

In accordance with the three phases, the Contractor assumes complete responsibility for designing, building, testing, and delivering the vessel to meet the requirements of the contract. Should the Contractor determine at any time that he is unable to fulfill those responsibilities, he shall notify the COR immediately of the problem experienced and his proposed manner of correction.

B. DETAILED DESIGN

During Phase II, Engineering & Scheduling, it is the Contractor’s responsibility to complete the Detailed Design of the vessel based on the “Contract Design” developed for the vessel. The Detailed Design is the basis for construction and is always completed prior to the start of construction.

Once the Detailed Design phase has commenced, changes in hull dimensions and subdivision, for other than very minor changes in arrangement, will not be made.

The Detailed Design must be so clear in its intent that the features, characteristics, capabilities, design criteria, margins and success criteria of each component or system cannot be mistaken. The level of detail presented and documented by calculation in the Detailed Design shall

be sufficient for all required regulatory approvals, and for the Government’s quality assurance function.

C. DRAWINGS PROVIDED AND REQUIRED

1. Contract Drawing

The contract drawing is provided with these specifications to define the arrangements of the vessel, for design development and construction.

2. Reference Drawings

These drawings are from previously built designs, which are provided to the Contractor for vessel design and construction guidance. Where specifically required, the Contractor shall use the details contained in these drawings, for vessel design development and construction.

3. Drawings Required

The minimum drawings required to be completed during the Engineering and Scheduling phase of this contract in order to complete the Detailed Design are listed in Section H, Clause H13, Engineering & Drawings. The requirements for developing the Detailed Design drawings are delineated in Clause H03 with any specific requirements for structure or mechanical systems defined in the relevant contract clauses.

The requirements for the “As-Built” drawings for the completed vessel are defined in Section H, Clause H14, “As-Built” Drawings.

D. CONSTRUCTION, TESTING, GATE STOWAGE & DELIVERY

During the Construction, Testing and Delivery phase, (Phase III), the Contractor shall fabricate, test and deliver the vessel. Performance by the Contractor in this phase includes:

- Vessel fabrication
- Vessel testing
- Transport of spare gate units and associated items, from the gate unit fabricator to the Contractor’s facility. Expected completion date for construction of gate units is March 2005.
- Stowage of spare gate units and associated items at Contractor’s facility from March 2005 until vessel is ready for delivery
- Vessel delivery, with spare gate units and associated items

The transportation of the spare gate units and associated items from G & G STEEL (POC Danny Gist, 256-332-6652 to verify physical location of gates), 18625 Hwy 243, Russellville, AL 35653, to the Contractor’s facility, is the responsibility of the Contractor. Packaging and loading the spare gate units and associated items on the Contractor’s means of transport, are the

responsibility of the Government. The Contractor shall be responsible for:

- proper securing and storage to avoid damage of the spare gate units and associated items until vessel is ready for delivery
- loading and securing the spare gate units from Contractor's facility to vessel, using the lashing gear discussed later in these specs.
- delivery of spare gate units and associated items with vessel, to final delivery location
- all costs to repair/replace spare gate units and associated items due to any damage that may occur during transport from G&G STEEL to Contractor's facility, storage and loading at Contractor's facility and delivery

The spare gates shall be stored on wood blocks not in contact with the ground, vegetation, or standing water. All gates shall be stored vertically such that they drain water; they shall be supported uniformly at each vertical diaphragm; and shall be guyed down for wind loadings. See Contract Clause H19 for further requirements on storage of Government property.

If the option is awarded for the gate lashing assembly components as identified in Contract Clause C498, then the Government shall provide only the top set of gate lashing assemblies necessary for gate stowage and transport. If the option is not awarded, the Government shall provide all gate lashing assemblies necessary for gate stowage and transport.

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C100 SCIENTIFIC

C105 HULL GEOMETRY

A. CONTRACT DRAWING

617-A215-01, General Arrangements

B. GENERAL

The hull shall have a full width rake at the bow and stern. The sides shall be flat and vertical. The bottom shall be flat with no deadrise. A 12-inch bilge radius shall be provided to connect the side to the bottom plate. The bilge radius shall transition from 12 to 18 inches in the rake ends, to meet the barge corner radius. The deck shall be flat with a 3" camber. A 3-inch gunwale radius shall be provided from the deck to the sides, except at the bow and stern. The head log and stern log shall be identical and flat.

The head log/stern log intersection with the side shell shall incorporate an 18-inch radius transition, using the log plating. The headlog and sternlog depth shall be 24 inches.

“Moderate speed” (45-degree) rakes shall be provided at both vessel ends.

The intersection between the flat and raked bottom plates shall be formed by a 12-inch radius.

C115 WEIGHT ESTIMATE AND LIGHTSHIP SURVEY

A. REFERENCE DRAWING

Reference Drawing 665-C115-01, Weight Estimate

B. WEIGHT ESTIMATE

A Weight Estimate for the vessel is required. VCG, LCG, and TCG shall be included in the weight estimate. The estimate shall be based on the Final Design drawings developed during the Engineering Phase. Sufficient detail shall be provided to identify individual bulkheads, deck, bottom, sides and frames itemizing plate, stiffeners and brackets. The weight estimate shall include the weight of paint, weld and mill tolerance as individual entries. Weights and centers of gravity

shall be documented in a spreadsheet type format. A 5% margin shall be included in the Engineering Phase weight estimate. The Reference Drawing is provided as a sample weight estimate.

The weight estimate shall be performed for the lightship condition.

During the Engineering Phase of the contract, a weight estimate shall be developed and submitted for review.

A final weight report shall be submitted at the time of delivery to bring the estimated lightship weight and center of gravity into reasonable agreement with the lightship survey results. No margin shall be included in the final weight report.

C. LIGHTSHIP SURVEY

Upon completion of all work, with the vessel in the lightship condition, a lightship survey shall be conducted. The lightship survey shall be carried out in accordance with ASTM F 1321 - 90. The Contractor shall provide a lightship survey report, which gives the "lightship" load condition displacement.

Within 10 business days after completion of the lightship survey, the Contractor shall submit the results to the Government.

C125 HYDROSTATICS

Hydrostatics shall be performed for the vessel. The Hydrostatic calculations shall be performed on the molded properties, accounting appendages such as the tow knees.

A document providing tables shall be developed to reflect the curves of form. The tables shall be complete for drafts from 6 inches to the deck edge on 3-inch increments. The tabulated values are to include as a minimum:

- displacement in fresh water, full and molded
- center of buoyancy (LCB and VCB)
- longitudinal center of flotation (LCF)
- tons per inch immersion (TPI)
- transverse and longitudinal metacentric heights (KM_L and KM_T)
- moment to change trim one inch (MTI1")

The tabulated values shall be submitted for review, in professional form with a cover sheet including the standard drawing title block and drawing number.

The body plan and isometric plot shall be provided for visual verification and included in the hydrostatics booklet.

The hydrostatics shall be performed using the GHS computer software (Creative Systems Inc., Port Townsend, WA 360-385-6212). The hull definition file (or *.gf file) shall be provided in electronic format (on a 3.5" disk or CD ROM) with the hydrostatics submittal.

C150 DAMAGED STABILITY

A. CONTRACT DRAWING

617-A215-01, General Arrangements

B. GENERAL

The vessel shall meet a one compartment damaged stability standard for all vessel loading conditions as shown on the Contract Drawing, where, when any one compartment is flooded, the vessel shall maintain positive righting arm and all parts of the main deck shall remain above the flooded waterline.

Damaged stability calculations shall show equilibrium water lines, curves of righting arm versus heel angle in 5 degree increments. The freeboard shall be reported at the four deck corners for each damaged condition.

The Contractor shall prepare a damaged stability analysis during the Engineering Phase of this contract documenting compliance with one compartment damaged stability and submit for review. That report shall be up-dated to include the "as surveyed" lightship weight during the Construction Phase and after completion of the Lightship Survey.

The Contractor shall be responsible for calculation of the centers of gravity for the spare gate unit assemblies as shown on the Contract Drawing. Estimated values are provided on the Contract Drawing. Drawings detailing spare gate unit construction shall be provided by the Government to the successful offeror.

The damaged stability analysis shall be presented in a complete, professional manner with an introduction, summary of results, and conclusion statements. All references, assumptions and design

methodologies shall be clearly identified. The calculations shall be easy to follow without knowledge of the specific analysis software used. Units and origins of measure shall be clearly labeled throughout the document.

C155 TRIM AND STABILITY

A. CONTRACT DRAWING

617-A215-01, General Arrangements

B. GENERAL

The vessel shall be shown, by design calculations, to satisfy U.S. Coast Guard weather criteria (46 CFR 170.170). Calculations shall be performed for each of the vessel loading conditions as shown on the Contract Drawing. For the purpose of calculating the GM required at a given draft, the "angle of heel" shall be defined as the heeling angle at which: the draft at the side is reduced by one-half; or, the freeboard (to the main deck) at the other side is reduced by one-half; or fourteen degrees, whichever is less.

The vessel shall be shown, by design calculation, to satisfy U.S. Coast Guard dynamic stability criteria (46 CFR 174.015) for "Protected Waters". Calculations shall be performed for drafts in three-inch increments, from the light ship draft to the full load draft. The minimum required residual dynamic stability for the barge is established as five foot-degrees for rivers.

The Contractor shall be responsible for calculation of the centers of gravity for the spare gate unit assemblies as shown on the Contract Drawing. Estimated values are provided on the Contract Drawing. Drawings detailing spare gate unit construction shall be provided by the Government to the successful offeror.

The trim and stability analysis shall be submitted for review. The analysis shall be presented in a complete, professional manner with an introduction, summary of results, and conclusion statements. All assumptions and design methodologies shall be clearly identified. The calculations shall be easy to follow without knowledge of the specific analysis software used. Units and origins for measurements shall be clearly labeled throughout the document.

C160 LONGITUDINAL STRENGTH

A. CONTRACT DRAWING

617-A215-01, General Arrangements

B. GENERAL

The Contractor shall prepare a longitudinal strength analysis for the hull, based upon examination of all gate loading conditions as shown the Contract Drawing, combined with the vessel lightship weight distribution, and submit for review.

Only the loading conditions corresponding to worst case hull girder shear force and bending moment shall be used to analyze the stresses on the minimum effective hull girder cross section. The minimum effective hull girder cross section shall include the effects of buckling on individual elements, and shall also include the effects of deck openings, such as those for the storeroom companionway and access hatch. Shear lag effects shall also be considered in the calculation of the minimum effective hull girder cross section.

Hull girder strength, including buckling criteria, shall be based upon Parts 3 and 5 of the 2004 ABS Steel Vessel Rules, in addition to the ABS Rules referenced in Contract Clause C003. Buckling analysis of individual elements due to vessel primary shear force, primary bending moment and any combination thereof, shall also be provided in evaluation of hull girder strength. The effects of local hydrostatic pressure on plate and member buckling strength shall be included, which is also addressed in the aforementioned ABS Steel Vessel Rules.

The longitudinal strength analysis shall be presented in a complete, professional manner with an introduction, summary of results, and conclusion statements. All references, assumptions and design methodologies shall be clearly identified. The calculations shall be easy to follow without knowledge of the specific analysis software used. Units and origins for measurements shall be clearly labeled throughout the document. Results shall be provided in both tabular and graphical forms. Results shall include the following:

- Hull girder shear force and bending moment
- Hull girder bending stress, based upon minimum effective hull girder cross section, accounting for buckling of individual elements
- Hull girder deflection, based upon minimum effective hull girder cross section

The longitudinal strength shall be performed using the GHS computer software (Creative Systems Inc., Port Townsend, WA 360-385-6212). All files necessary to create the longitudinal strength analysis shall be provided in electronic format (on a 3.5" disk or CD ROM) with the longitudinal strength analysis.

C170 DRY DOCKING PLAN

A. REFERENCE DRAWING

301-D170-01, Drydocking (Blocking) Plan

B. GENERAL

The Contractor shall develop a dry docking plan for the vessel, based upon the block size and locations as shown on the Reference Drawing, and submit for review. The dry docking plan shall show vessel blocking required for dry docking the vessel. It shall show all major hull structure on the bottom, all hull penetrations, all transverse and longitudinal bulkheads connected to the bottom shell, and any other features which could interfere with the setting and shifting of the docking 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 Contractor shall submit the docking plan together with the supporting docking calculations, for review. The docking plan will not be reviewed without submittal of the drydocking calculations. The docking plan calculations shall be presented in a complete, professional manner with an introduction, summary of results, and conclusion statements. All assumptions and design methodologies shall be clearly identified. The calculations shall be easy to follow without knowledge of the specific analysis software, if any, used. Units and origins for measurements shall be clearly labeled throughout the document.

C185 TESTS AND TRIALS

The vessel and their component parts shall undergo testing and trials in accordance with Clause E05.

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C200 ARRANGEMENTS

C215 GENERAL ARRANGEMENTS

A. CONTRACT DRAWING

617-A215-01, General Arrangements

B. GENERAL

The configuration of the hull and deck arrangement shall be as shown on the Contract Drawing.

Three longitudinal bulkheads within the hull shall be at locations as shown on the Contract Drawing. One bulkhead is on vessel centerline. The longitudinal bulkheads located off the vessel centerline are centered under the midship gate pads. All longitudinal bulkheads shall be watertight.

Locations of transverse bulkheads shall be determined by the Contractor, based upon the results of the damaged stability and structural analysis requirements.

Two storerooms shall be provided in the hold. For illustrative purposes, the Contract Drawing shows two storerooms, one located forward and one located aft of midships. The Contractor shall determine the storeroom size such that it utilizes the entire space between transverse and longitudinal bulkheads. The storerooms shall accommodate storage of all customer provided, and optional gate lashing assemblies referenced in Contract Clause C498, and the bulkhead mounted fastener storage boxes referenced in Contract Clause C410 (F). The storerooms shall be equipped with ventilation, lighting, receptacles and a raised, timber flooring system.

One companionway containing an inclined ladder with handrail, shall be provided for direct access into each storeroom. One raised hatch shall be installed on the main deck, located in way of each storeroom, for placement or removal of cargo gear.

Gate pad structure shall be provided above the main deck for supporting erected gates and individual gate units and shall be located as shown on the Contract Drawing. Each gate pad shall provide a level surface for supporting the gates or gate units. Each "angled" gate pad structure above the deck consists of three groups of four beams, to align with the timber blocking assemblies placed under the three blocking pads mounted on the gate assemblies. Each midship

gate pad is one group of four beams. Continuous plate is provided on top of only the midship gate pad beams, to form work areas and keep out debris.

Tie-down assemblies shall be provided on the main deck, to transfer loads from the gate lashing assemblies into the vessel structure. Each tie-down assembly consists of four individual tie-downs, welded to insert plates.

Two means of egress are required for each hold space.

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C300 STRUCTUREA. CONTRACT DRAWING

617-A215-01, General Arrangements

B. GENERAL

The Contractor shall develop detailed structural drawings in accordance with the requirements of this Contract. The drawings shall show all details necessary for vessel construction, including all hull and deck scantlings, welds, seams, butt joints, member end connections, brackets, penetrations, cut-outs, conduits for electrical cable, cable trays, equipment and deck fitting foundations (including electrical equipment), outfit, etc. Use of typical details is acceptable. The required drawing submittals are listed in Contract Clause H13.

The Contractor shall be responsible for preparation of all calculations necessary to prepare detailed structural drawings. The Contractor shall also be responsible for coordination with ABS, for the calculations necessary to design the hull structure supporting gate pad loads and the deck tie-down assemblies.

The calculations shall be presented in a complete, professional manner with an introduction, summary of results, and conclusion statements. All references, assumptions and design methodologies shall be clearly identified. The calculations shall be easy to follow without knowledge of the specific analysis software, if any, used. Units and origins for measurements shall be clearly labeled throughout the document.

The Contractor shall submit the drawings and supporting calculations together, for review. Structural drawings submitted without supporting calculations will not be reviewed.

C305 HULL STRUCTUREA. CONTRACT DRAWING

617-A215-01, General Arrangements

B. GENERAL

The hull shall be of all welded steel construction and divided into watertight compartments with transverse and longitudinal bulkheads. Longitudinal bulkheads shall be located on the vessel centerline and at 10'-0" off vessel centerline, port and starboard. The longitudinal bulkheads located off vessel centerline are centered under the midship gate pads.

Locations of transverse bulkheads shall be determined by the Contractor, based upon the requirements of the damaged stability and structural analysis calculations.

The hull shall be designed and constructed to meet the requirements of ABS "Reinforcement B". However, the hull and deck structure in way of the gate pads and the deck tie-down assemblies shall also be designed and constructed to withstand the applied loads as defined in this Contract.

All steel, welding and weld sizes shall meet the minimum requirements of the applicable standards of the American Bureau of Shipping, referenced in Contract Clause C003. In addition to these requirements, all steel and welds in way of the gate pads and deck tie-down assemblies shall be designed to withstand the applied gate loads. Welds shall be indicated on a welding table or schedule, except for welds in way of gate pads and deck tie-down assemblies, which shall be specially marked on all applicable drawings.

The deck and all shell plate shall be longitudinally framed. Main transverse frames shall be provided and welded directly to the hull and deck plate. Use of "floating frames" is not permitted.

Vertical stiffeners shall be used to stiffen all internal transverse and longitudinal bulkheads, and the headlog and sternlog. All vertical bulkhead stiffeners shall extend down to the bottom shell, as close as possible. Stiffeners shall have a constant cross section throughout their length.

The shell and main deck plating shall be constructed of longitudinal strakes of lengths consistent with accepted practice for hulls. All seams shall be connected with full penetration welds.

C. MAIN DECK

The Contractor shall design the main deck scantlings and obtain approval by ABS, for a loading of 1000 psf, outside of the gate pad areas. The deck stiffeners, transverse and longitudinal beams and all other structure connected to the main deck shall be sized based on the ABS required thickness for the main deck plating.

D. DECK (GATE) PADS

The Contractor shall design the deck and supporting hull structure in way of all gate pad areas by basic principles methods, and obtain approval by ABS, for the gate block loads that generate the maximum stresses in the vessel structure. The design shall be adequate for the following loads:

- Vertical load - 262,000 lbs; transverse load - 21,300 lbs; longitudinal load - 9,400 lbs
- Vertical load - 259,000 lbs; transverse load - 52,300 lbs; longitudinal load - 1,800 lbs
- Vertical load - 232,000 lbs; transverse load - 23,200 lbs; longitudinal load - 9,000 lbs

These loads were based upon a fully assembled gate, of approximately 35 feet in height, elevated 5 feet above the deck (actual elevation of gate bottom is 4'-6" above the deck) and subjected to the worst-case combination of gate weight and gate environmental loads (90 MPH wind, 0.25 g transverse acceleration due to barge side impact and 3 degrees barge heel) as transmitted by the gate lashing assemblies.

Loads are distributed using above deck structure (see Paragraph G below) and timber gate blocks (see Paragraph H below).

The gate pad structure shall be designed in accordance with the requirements as defined in the AISC ASD Manual, referenced in Contract Clause C003, in addition to meeting the minimum requirements as defined by the applicable sections of the ABS Rules. The gate pads shall be designed so that the worst-case gate block loading can be placed anywhere along the length of any gate pad.

All bulkhead stiffeners supporting gate pad loads shall be checked for buckling, in accordance with the requirements of the AISC ASD Manual referenced in Contract Clause C003, in addition to the requirements of the ABS River Rules.

The longitudinal bulkhead plate panels between stiffeners, shall be checked for buckling in accordance with the longitudinal strength analysis required by Contract Clause C160, including the simultaneous effects of buckling directly due to the gate block loads.

Transverse bulkheads shall be analyzed for primary stresses, due to shear force and bending moment in the bulkhead, as generated by gate pad and/or tie-down loads and hydrostatic pressure. This information may be obtained from basic principles methods. The stresses shall be compared to allowable values for plate girder members, as defined in the AISC ASD Manual, referenced in Contract Clause C003.

All bulkhead plate panels shall be designed in accordance with the requirements of Part 5 of the 2004 ABS Steel Vessel Rules referenced in Contract Clause C003.

The Contractor has the option of performing an FEA model of the entire vessel, subjected to all loading conditions defined in Contract Clause C160, to obtain the stresses necessary to perform design and, buckling analysis of the vessel structure.

Vessel structure welds in way of the gate pads shall be designed by basic principles methods, to withstand the applied gate loads. Weld size shall be designed in accordance with the criteria defined by the AISC ASD Manual and machinery foundations as defined by the ABS River Rules, as referenced in Contract Clause C003.

E. DECK TIE-DOWN SUPPORT STRUCTURE

The main deck structure supporting the deck tie-down assemblies shall be designed for 125% of the following loads, all applied simultaneously to each tie-down:

- Vertical load – 79,000 lbs
- Longitudinal load – 5100 lbs
- Athwartships load – 35,000 lbs

These loads were obtained from the worst case combination of gate weight and aforementioned gate environmental loads and shall be applied to the deck tie-downs on one side of each gate pad, when designing the deck and supporting hull structure.

The configuration of the deck tie-downs shall be in accordance with the requirements of Contract Clause C420(F).

The deck and supporting hull structure shall be designed to withstand application of the above loads on any three of the four tie-downs in one tie-down group. The Contractor shall select the combination of the three tie-downs for each group that generate the maximum stresses in the deck and supporting hull structure.

For offering purposes, the deck tie-down loads shall be assumed to be applied at the top of the deck tie-down, as shown on the Reference Drawing.

The deck and supporting hull structure shall be designed by basic principles methods, to withstand simultaneous application of all of the above loads, which can occur on either side of each gate. The supporting structure shall be designed using minimum safety factors as defined in the AISC ASD Manual, referenced in Contract Clause C003, in addition to the requirements of the ABS River Rules.

Vessel structure welds in way of the deck tie-downs shall be designed by basic principles methods, to withstand the applied gate lashing assembly loads. Welds shall be based upon the larger of the weld sizes designed in accordance with the criteria defined AISC ASD Manual and the machinery foundation requirements of the ABS River Rules, referenced in Contract Clause C003.

Contractor shall obtain ABS approval for the tie-down system and under deck structural interface, in association with the loads delineated above.

The minimum plate thickness for the barge corners shall be 5/8 inch.

F. GATE PAD STRUCTURE ABOVE MAIN DECK

The gate pad structure above the main deck shall be arranged and located as shown on the Contract Drawing. Each gate pad consists of four beams, constructed from structural tee sections. Details of the existing above deck gate pad structure are shown on the Contract Drawing.

The gate pads shall be designed so that a level blocking surface parallel to vessel baseline, is provided at the top of all gate pad beams, based upon a tee section height of 6 inches at the inboard beams. In order to account for the effects of deck camber, the heights of the remaining outboard beams for each gate pad shall be increased beyond 6 inches as necessary, to achieve the level surface. The ends of each gate pad shall be tapered over a length of 12 inches, to avoid a tripping hazard. The webs of all gate pad beams shall be chocked, at a spacing not to exceed 24 inches. Under deck bracketing shall be provided and aligned at each web chock. Each midship gate pad shall be provided with a continuous plate of 1/4-inch thickness, between the tee

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section flanges, to form work areas and keep debris out of the spaces between the gate pad beams.

The Contractor shall design the structural tee sections to withstand the worst-case gate block loads defined in C305(D), such that the load may be placed anywhere along the length of any group of gate pad beams. Gate pad beams shall be designed in accordance with the requirements of the AISC ASD Manual referenced in Contract Clause C003, in addition to any applicable requirements of the ABS River Rules. Provision of transverse structural tee sections for the midship gate pads shall be considered, due to the length of the midship gate pad beams.

Welds for connection of the gate pad structure above deck, shall be designed by basic principles methods, to withstand the applied gate loads. Welds shall be based upon the larger of the weld sizes designed in accordance with the criteria defined AISC ASD Manual and the machinery foundation requirements of the ABS River Rules, referenced in Contract Clause C003.

The Contractor shall not design the 1/4-inch continuous plate on the midship gate pads to withstand the gate block loads, since the structural tee sections will be designed to withstand this loading.

G. GATE BLOCKS

Gate blocks will be provided by the Government. Gate blocks are constructed from timber and are placed to form a 48"x48" footprint. Typical blocking operations involve the placement of one layer of timber, approximately 8 inches in height, directly over all gate pads, except those at midship. A maximum of four layers (minimum is two layers) of 12"x12" is placed on top of the continuous plate.

The Contractor shall provide three 46"x46" timber pads, for each gate pad supporting stowed gate units. Each pad shall consist of one layer of 6"x6" wolmanized fir timber.

H. COMPANIONWAY

The Contractor shall determine the location of the companionways, necessary to provide direct access into the storeroom(s). See the Reference Drawing for design and construction guidance.

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C400 OUTFIT

C406 COATING SYSTEM

A. SURFACE PREPARATION

Surface preparation for all structural steel shall be in accordance with Steel Structures Painting Council Standards, SSPC-SP10-85 (Near White Metal Blast) throughout. Profile after blasting shall be 1-1/2 to 2-1/2 mils in depth and jagged. All mill scale, weld spatter, dirt, oil, and grease shall be removed.

Immediately upon completion of surface preparation, all steel shall be coated with the coating system described in the following.

Contractor may limit initial coating to base coat only. In this case, or where pre-construction primer is used prior to application of subsequent coats, all surfaces shall be prepared in accordance with the paint manufacturer's requirements, and any damaged areas repaired prior to application of the remainder of the system. All areas needing repair shall be cleaned to bare metal, spot blasted to restore profile, and re-coated with the base coat.

B. PAINT REQUIREMENTS

Paint shall be delivered in sealed containers with labels to indicate manufacturer, contents, and any special instructions. Paints and painting materials shall be stored under cover and protected from extreme temperatures.

Paints shall not be used if they have exceeded the closed shelf life or pot life recommended by the manufacturer. Additionally, paints shall not be applied in weather or humidity conditions not recommended by the manufacturer.

C. APPLICATION OF COATINGS

Surface preparation and paint application shall be in strict compliance with the coating manufacturer's recommendations. The Contractor shall take particular care to insure that coating system requirements are met in all areas, especially those difficult to coat, such as flange undersides.

All painting on both the interior and exterior surfaces below the main deck shall be accomplished prior to launching of the vessel.

D. COATING SYSTEM

The system is composed of the following coating types:

- self priming epoxy base coat
- abrasion resistant epoxy barrier coat
- fade resistant urethane top coat

A Paint Schedule shall be developed and submitted to MDC during the Engineering Phase of the contract.

E. APPROVED COATINGS

The following coating systems from Ameron, BLP Mobile, International Paint and Finnaren & Haley have been reviewed and are considered to meet the coating requirements of this section. The Contractor may select any of these systems at his discretion. However, selection of any other coating system will require the review of the proposed coating manufacturer's data and concurrence of the Marine Design Center *prior to any application of the system*. Systems may not be "mixed" (i.e., mixing an "a" with a "b," as identified below, is not acceptable). The specific coating designations to be used are as follows:

Surface Tolerant Base Coat

- a. Ameron Amercoat 370
- b. Amercoat 235 (formerly Devoe Bar Rust 235)
- c. BLP Mobile MOPOXY-PLUS
- d. International INTERTUF 262 (use INTERGARD 403 for Ballast Tanks)
- e. Finnaren & Haley INDULON 235 (use INDULINE 891 UHS for Ballast Tanks)

Abrasion Resistant Epoxy Barrier Coat

- a. Ameron Amerlock 400GF
- b. Amercoat 238 (formerly Devoe Devguard 238)
- c. BLP Mobile MOPOXY-PLUS FG
- d. International INTERSHIELD 350
- e. Finnaren & Haley INDULON 882 Abrasion Resistant Epoxy

Fade Resistant Urethane Top Coat

- a. Ameron Amercoat 450 HS
- b. Amercoat 369 (formerly Devoe Devthane 369)
- c. BLP Mobile MOTHANE HS-900
- d. International paint system requires:
 - 1) INTERGARD 267 (for exterior Hull below the Waterline)
 - 2) INTERTHANE 990 (for exterior Hull surfaces, other than those below the Waterline)
- e. Finnaren & Haley INDURATHANE 890 (above the waterline)

F. NUMBER OF COATS

The number of coats is not specified. The Contractor is required to provide the number of coats necessary to attain the DFT thicknesses required in the schedule below. Thickness applied per coat may not exceed the manufacturer's recommended maximum thickness. Each coat shall be listed in the Paint Schedule.

G. COATING "TYPE" AND DFT SCHEDULE

All areas of the vessel shall be coated in accordance with the following schedule:

1. Hull Exterior

All steel surfaces shall be coated with base coat at 8 mils DFT minimum.

All surfaces shall be overcoated (over the base coat) with barrier coat at 12 mils DFT minimum (not including base coat).

Lettering and numerals on the hull exterior shall be overcoated (over the barrier coat) with top coat at 2 mils DFT minimum.

The base coat and the barrier coat shall both be the same color.

2. Main Deck

All steel surfaces, including gate pad structure above deck, shall be coated with a base coat at 8 mils DFT minimum.

All surfaces shall be overcoated (over the base coat) with barrier coat at 4 mils DFT minimum (not including the base coat).

Non-skid garnet additive shall be added to the barrier coat.

3. Deck Fittings

All deck fittings, including deck tie-down assemblies, shall receive a base coat at 5 mils DFT minimum and be overcoated (over the base coat) with a barrier coat at 5 mils DFT minimum. A top coat at 2 mils DFT minimum shall overcoat the barrier coat.

4. Hull Interior

Steel surfaces within the hull include the voids. All steel surfaces within the hull shall be coated with base coat at 8 mils DFT minimum.

H. COATING COLOR SCHEDULE

Colors shall conform to Federal Standard 595a(3) Colors Identification Numbers. Color chips (3" x 5") may be produced from the General Services Administration/Specifications Section as follows:

GSA/FSS/Specification Section
470 L'Enfant Plaza East SW, Suite 8100
Washington, DC 20407

Phone: (202) 619-8925
FAX: (202) 619-8978

The coloring schedule shall be as follows:

<u>AREA</u>	<u>COLOR/FS595 NUMBER</u>
• Hull Exterior	Black/17038
• Main Deck (including gate pad structure above deck)	Deck Red/10076
• Hull Interior	Grey/16473
• Deck Fittings (including deck Tie-down assemblies)	Yellow/13655
• Hull Markings	White/27880

On deck areas, both **under coat** (barrier coat for hull and base coat for deck other than hull) **and top coat** shall be the same color. All other items must conform to the painting schedule.

On exterior hull areas, both the **base coat and the barrier coat** shall be the same color.

All top coating shall be thick enough to provide complete opaque color coverage. Thickness increased over the DFT minimums required above shall be provided if required for opaque color coverage.

I. FINAL INSPECTION OF PAINTING

The Contractor is responsible for delivering the vessel with all painted surfaces in sound condition, and in accordance with this specification.

Prior to launching of the vessel, all interior and exterior painting shall be thoroughly inspected. Notice shall be given to the COR, 7 days in advance of the scheduled launching for this purpose. If there are any defects or damage in the coating of any vessel, the Contractor shall, as necessary, repair the coating to restore the integrity of the paint system, and to meet the requirements of this specification. All damage shall be cleaned to bare metal, spot blasted to restore profile, and re-coated with the entire system schedule.

The vessel shall not be launched until:

- The painting documentation as required in paragraph I above has been provided to the COR. The documentation must show compliance with this specification in all areas, and all readings taken.
- The painting has been inspected by an MDC representative and approved by the COR. Contractor must provide documentation prior to MDC inspection.

If outfitting is required after launching, all interior and exterior painting shall be re-inspected prior to Provisional Acceptance, and any damaged areas of the coating shall be repaired by the Contractor as necessary to restore the integrity of the paint system.

Any additional painting required as a result of the Final Inspection shall be done as required to meet this specification at no additional cost to the Government.

J. DOCUMENTATION AND WARRANTY

1. Documentation

The Contractor shall provide a written signed statement from the paint manufacturer certifying that all coating application and surface preparation for the vessel are in accordance with the coating system manufacturer's requirements, and that the coating application meet all requirements in this specification.

The Contractor shall provide documentation logs for each coating applied. The logs shall include the following parameters:

- a. Coating (per specification) type.
- b. Coating manufacturer's requirements for preparation, environmental conditions and application.
- c. Date and time of preparation and application.
- d. Extent and location of area coated.
- e. Surface: preparation, condition at time of coating, temperature at time of coating, dew point at time of coating.
- f. DFT measurements for each applied coating type. Measurements shall be taken as follows:
 - all flat surfaces, one reading per every 200 square feet, uniformly distributed.
 - undersides of all flanges, one reading per every 50 linear feet of flange, uniformly distributed.
 - all free standing structural members, i.e. stanchions, truss diagonals, etc., one reading per 50 linear feet of length each surface, but a minimum of two readings per surface.

Wet film measurements may be taken and converted to DFT as an alternative to direct DFT. In areas where multiple coating types are required, the above DFT requirements are applied to each coating type.

- g. Services provided by paint manufacturer's representative (i.e. DFT readings, dew point, etc.), if present during application.
- h. Signature of paint manufacturer's representative on site, if present.

2. Warranty

As part of the overall vessel warranty, the Contractor shall warranty the coating system of the vessel for one calendar year, commencing at final acceptance. The Contractor shall repair any coating failures during this time period at his cost.

K. SAFETY AND HEALTH STANDARDS

The U.S. Occupational Safety and Health Administration Regulations(OSHA) for shipyard employees engaged in surface preparation and coatings application shall be in accordance with the OSHA regulations stated in 29 CFR, subpart C.

These regulations require the Contractor to have access to a "competent person" to test compartment atmosphere quality. The "competent person" shall be in accordance with OSHA regulations, stated in 29 CFR, subpart A, 1915.7.

The regulations also require that frequent testing of the atmosphere shall be made in compartments being coated or preserved (or prepared for coating or preservation) by paints and coatings dissolved in highly volatile, toxic and flammable solvents (29 CFR, subpart C, 1915.35(b)), to ensure the atmosphere is not hazardous.

Each compartment inspection and test shall be logged on OSHA Form 74, with instructions on how to maintain a safe atmosphere in these spaces until the completion of the contract.

On 24-hours notice of any Government inspection, and before any representative of the U.S. Government boards the vessel for inspection, each enclosed or confined space to be inspected shall be labeled "Safe for Workers" in accordance with the OSHA regulations stated in 29 CFR 1915.31-36. The initial certificate shall be issued by a National Fire Protection Association (NFPA) certified Marine Chemist. A competent person may re-certify daily provided that the conditions have been maintained.

This means that in all spaces so designated:

- The oxygen content of the atmosphere is at least 19.5 percent and below 22 percent by volume;
- The concentration of flammable vapors is below 10 percent of the lower explosive limit (LEL);
- Any toxic materials in the atmosphere are within permissible concentrations;
- Any residues or materials associated with any work in the space will not produce uncontrolled release of toxic materials under existing atmospheric conditions while maintained as directed.

The Contractor shall notify the Government when this certificate has been issued for each compartment and tank. The vessel will not be inspected and accepted by the Government without a NFPA Marine Chemist certificate for each compartment designated "Safe for Workers."

C410 HULL OUTFIT AND FITTINGS

A. CONTRACT DRAWING

617-A215-01, General Arrangements

B. REFERENCE DRAWINGS

Drawing 398-H200-B001, Main Deck & Bottom Plating

Drawing 398-H210-B005, Rake Details

Drawing 398-H320-B002, Mooring Arrangement

Drawing F-LG 81/2, Structural Framing

C. GENERAL

The Contractor shall provide and install all deck outfitting in accordance with the Contract Drawing.

D. TOWKNEES

The vessel shall be equipped with four boxed in towknees at each end. The centerline of the towknees shall be located at 3'-0" and 9'-0" off vessel centerline, port and starboard, as shown on the Contract Drawing.

The towknees shall extend from the main deck down to the lightship waterline, as determined from the Contractor's calculations. The vertical face of the towknee shall be a smooth, flush transition from the top of the headlog down to the bottom of the tow knee. Towknee construction shall be in accordance with the details shown on Reference Drawing 398-H210-B005. The towknee shall be fitted with rubber towknee pads, similar to SVEDALA TRELLEX. Each towknee shall be 24" wide.

Each towknee shall be designed for a uniform contact pressure based upon the following criteria:

- A unit bollard thrust of 30 lbs/HP
- Pushboat rated power of 5,000 HP
- An impact factor of 1.5, applied to thrust force calculated from the above pushboat HP and unit bollard thrust
- Rubber pad face area

Each towknee shall be designed and constructed to be integral with the hull structure. Rake longitudinal truss structure shall be provided in addition to the longitudinal bulkheads, to support the loads from the towknee sides.

E. RUB RAILS

Two rub rails shall be provided on the vessel sides, centered on the draft marks or gap between these marks. The bottom of the lower rub rail shall be approximately 6 inches above the lightship design waterline. The upper rub rail shall be located 3 feet above the lower rub rail and centered as previously described. Rub rails shall also be provided on the barge corners. Rub rails shall be formed from circular segments, cut from 8-inch diameter Schedule 80 steel pipe, as shown on the view, "Gunwale Guard Detail", contained in Reference Drawing F-LG 81/2.

Rub rails shall be continuous seal welded to hull plate all around. Each rub rail section shall have an end taper over a length of 8 inches and shall be provided with an end plate welded all around, at both ends.

Rub rails shall be discontinuous, with tapered ends, in way of draft marks, clearing the marks by 3 inches forward and aft. Rub rail taper at each draft mark to be the same as end taper.

F. STORAGE BOXES

The Contractor shall provide and install steel bulkhead mounted boxes in each storeroom for fastener storage. Each box shall be 24”Lx12”Hx12”D. A total of 16 storage boxes shall be provided. The boxes shall be arranged in a 4x4 array. Boxes can be provided by subdivision of an overall box area 8’-0” L x 4’-0”H x 1’-0” D. Vertical support members that connect directly into hull bottom structure shall be provided, to support the base of the overall box structure.

Boxes

shall be constructed from a minimum plate thickness of ¼ inch, with 4 inch-leg of angles on front individual box opening. This means that the net opening height for each box is 8 inches. Fastener storage boxes shall be mounted near the storeroom access ladder.

C415 DOORS, HATCHES AND MANHOLES

A. CONTRACT DRAWING

617-A215-01, General Arrangements

B. GENERAL

The Contractor shall provide doors, hatches and manholes for the vessel, generally as shown on the Contract Drawing.

The Contractor may adjust locations to clear major structure, but manholes or hatches may not be eliminated.

C. DOORS

The Contractor shall provide and install one watertight door in the companionway. The companionway door shall be 42”x80” and shall be fitted with a padlock and hasp.

D. HATCHES

The Contractor shall provide and install a raised watertight access hatch, 50"x60", in the main deck over the storeroom. The long dimension of the hatch shall be aligned in the vessel longitudinal direction, for better distribution of hull girder bending stresses. The hatch shall be fitted with a recessed lifting eye, for installation/removal by crane.

E. MANHOLES

The Contractor shall locate the manholes so that two means of egress are provided for each hold space.

Manholes shall be flush, watertight, 18-inch diameter, single bolt manholes, shall be furnished and installed in the barges, located as indicated on the Contract Drawing. Manholes shall be similar to NABRICO DF-430-18D. All manhole covers shall be fitted with chain or cable retaining devices on the underdeck side.

The Contractor shall provide a single "T-Handle" wrench for the vessel.

C420 DECK FITTINGS

A. CONTRACT DRAWING

617-A215-01, General Arrangements

B. REFERENCE DRAWINGS (Design and Construction Guidance)

Drawing 398-H200-B001, Main Deck & Bottom Plating
Drawing 398-H320-B002, Mooring Arrangement
Drawing F-LG 81/5, Rigging and Pad Eyes

C. GENERAL

The Contractor shall provide and install the deck fittings as shown on the Contract Drawing. The Contractor shall prepare design calculations for the foundation structures necessary to support all deck fittings, subject to the loading specified in U.S. NAVY Design Manual NAVFAC DM-25.1, "Piers and Wharves" (to be replaced later this year by MILHDBK 1025-1, "Piers and Wharves"), except for the deck tie-downs.

The Contractor shall submit calculations for all deck fitting foundation structure and welds, together with the deck fittings drawing and/or other appropriate structural details drawings, for review. These calculations shall be presented in a complete, professional manner with an introduction, summary of results, and conclusion statements. All references, assumptions and design methodologies shall be clearly identified. The calculations shall be easy to follow without knowledge of the specific analysis software, if any, used. Units and origins for measurements shall be clearly labeled throughout the document.

The drawings showing the deck fitting foundations structure will not be reviewed without submittal of the foundation calculations.

Deck fittings shall be continuously welded to insert plates, with fillet welds. Insert plates shall be connected to the deck plate with full penetration welds, all-around. The minimum insert plate thickness shall be $\frac{3}{4}$ -inch, except for the deck tie-down assemblies.

D. KEVELS

The Contractor shall provide and install eight, 48-inch kevels, similar to NABRICO DF-159A. The kevels shall have smooth formed openings and kevels with plate edges in openings are not acceptable. The kevels shall be spaced at 30 feet.

The kevels shall be continuously welded with fillet welds to insert plates. The minimum insert plate thickness shall be equal to twice the thickness required for the deck plate. Foundation structure shall be provided in accordance with the results of the Contractor's calculations.

E. BITTS

The Contractor shall provide and install one 8 inch H-bitt, on each barge corner, generally as shown on the Contract Drawing. The bitts shall be mounted diagonally and shall extend down to the bottom plate.

The bitts shall be continuously welded with fillet welds to deck and bottom insert plates. The insert plate thickness shall have a minimum thickness equal to twice the thickness required for the deck plate. Foundation structure shall be provided in accordance with the results of the Contractor's calculations.

F. DECK TIE-DOWNS

The Contractor shall provide and install deck tie-down assemblies at the locations as shown on the Contract Drawing. A total of 400 individual deck tie-downs are required. Tie-downs are arranged in groups of four, on a common plate.

The tie-downs consist of bent round bar, forming an upside down “U” shape, inserted through the insert plate and connected (fillet welded) top and bottom, directly to the insert plate and under deck structure. The arrangement and locations of the tie-downs on a single insert plate, and their connections to the insert plate and the under deck structure, shall be in accordance with the Contract Drawing.

The Contractor shall perform calculations for the deck tie-downs, to withstand the loads defined in Contract Clause C305(E). These calculations shall provide the following information:

- Required round bar diameter
- Required weld sizes
- Required opening size necessary to accommodate the 1 3/8-inch round bar diameter of the circular ring and the fitting thickness necessary to test the deck tie-downs, in accordance with Contract Clause E05(E)

Deck tie-down design shall be in accordance with the ABS Guide for Certification of Container Securing Systems, referenced in Contract Clause C003. Welds shall be based upon the larger of the weld sizes designed in accordance with the criteria defined AISC ASD Manual and the machinery foundation requirements of the ABS River Rules, referenced in Contract Clause C003.

The Contractor shall determine the final location of the deck tie-down height, based upon the results of the deck tie-down calculations. The Contractor shall consider tripping hazards, in the determination of the final height for the deck tie-downs.

The Contractor shall also perform calculations to determine the insert plate thickness for the deck tie-down assemblies. The minimum insert plate thickness for the deck tie-down assemblies shall be as shown on Reference Drawing F-LG 81/5.

The Contractor shall submit calculations for all deck tie-downs and welds, together with the deck fittings drawing and/or other appropriate structural details drawings, for review. These calculations shall be presented in a complete, professional manner with an introduction, summary of results, and conclusion statements. All references, assumptions and design methodologies shall be clearly identified. The calculations shall be easy to follow without knowledge of the specific analysis

software, if any, used. Units and origins for measurements shall be clearly labeled throughout the document.

The drawings showing the deck fitting foundations structure will not be reviewed without submittal of the foundation calculations.

Prior to installation of the deck tie-downs on the insert plates, one forged steel, round bar circular ring constructed from bar stock diameter of 1 3/8 inch and clear opening of 6 inches, similar to CROSBY S-643 (Stock No. 1013888), shall be fitted on each deck tie-down, instead of the oval and pear-shape links shown on Reference Drawing F-LG 81/5.

In order to minimize construction costs, the Contractor shall prefabricate the deck tie-down/insert plate assemblies before welding to deck plate and supporting deck structure.

The Contractor shall have the circular ring manufacturer perform proof testing for 40 rings. The Contractor shall obtain from the ring manufacturer, a certificate of ultimate testing and proof load testing. The Contractor shall provide this certificate to the Government.

C425 STOREROOM FLOORING

A. CONTRACT DRAWING

617-A215-01, General Arrangements

B. REFERENCE DRAWING

Drawing 398-H250-B002, Storeroom Flooring

C. GENERAL

The Contractor shall provide and install timber flooring in the storerooms. The Contractor prepare design calculations for the structure supporting the storeroom flooring. The design load shall be 150 lbs per sq. ft. The Contractor shall submit the support structure calculations together with the storeroom flooring drawing, for review. The deck fitting foundation calculations shall be presented in a complete, professional manner with an introduction, summary of results, and conclusion statements. All references, assumptions and design methodologies shall be clearly identified. The calculations shall be easy to follow without knowledge of the specific analysis software, if any, used. Units and origins for measurements shall be clearly labeled throughout the document.

The drawings showing the storeroom flooring and supporting structure details will not be reviewed without submittal of the support structure design calculations.

The Contractor shall use the timber size, species and installation details shown on the Reference Drawing for storeroom flooring design development and construction.

C427 VERTICAL AND INCLINED LADDERS

A. CONTRACT DRAWING

617-A215-01, General Arrangements

B. REFERENCE DRAWING

Drawing 398-H320-B001, Manholes, Hatches & Ladders

C. GENERAL

The Contractor shall provide and install a vertical ladder in each manhole, and an inclined ladder with handrail, in the companionway. All ladders and their associated handrails shall comply with the applicable sections of the U.S. Army Corps of Engineers Safety and Health Requirements Manual, in accordance with Contract Clause C003. The Contractor shall use the details shown on the Reference Drawing for design development and construction.

C456 DECK WINCHES

A. CONTRACT DRAWING

617-A215-01, General Arrangements

B. GENERAL

The Contractor shall provide and install one deck winch near each corner of the vessel, generally as shown on the Contract Drawing. Each winch shall have the following characteristics:

- low profile arrangement
- 4-foot diameter handwheel
- rated at 40 tons

- provided with 100 feet of 3/4-inch diameter 6x19, IWRC, IPS wire rope, with 24-inch swaged eye

Deck winch swivel assemblies shall not be provided. The Contractor shall submit all drawings showing installation details, for review. The Contractor shall prepare design calculations for the foundation structure necessary to withstand the rated winch load. The Contractor shall submit the foundation structure calculations together with the appropriate structural drawings, for review. The deck winch foundation calculations shall be presented in a complete, professional manner with an introduction, summary of results, and conclusion statements. All references, assumptions and design methodologies shall be clearly identified. The calculations shall be easy to follow without knowledge of the specific analysis software, if any, used. Units and origins for measurements shall be clearly labeled throughout the document.

The drawings showing the deck winch supporting structure details will not be reviewed without submittal of the foundation structure design calculations.

The Contractor shall provide certification for the wire rope minimum breaking strength of 51,200 lbs.

C460 INSIGNIA AND MARKINGS

A. CONTRACT DRAWING

617-A215-01, General Arrangements

B. HULL MARKINGS

The Contractor shall provide and install all hull markings. All hull markings shall be Arabic numerals, and block type letters cut from 1/4 inch steel plate, and attached to the hull with light continuous welds. Hull markings shall be located approximately as shown on the Contract Drawing.

Draft marks shall be 6 inches high, located on the hull sides and centered 12 inches inboard of the knuckle at the rake and bottom plate, towards midship. The draft marks shall indicate each foot of draft from the 1-foot water line to the water line 2 feet below the deck at side, and be measured from the underside of the bottom plating projected to the bottom of each numeral.

Owner markings in 10-inch high letters, consisting of the words "CORPS OF ENGINEERS - U.S. ARMY" shall be located on hull sides, amidships, above the upper rub rail, port and starboard. Name markings in 12-inch high letters, consisting of the vessel name listed in Clause C006 Contract

Drawing. The vessel numbers shall also be located on the side shell forward and aft as shown on the Contract Drawing.

Confined space markings shall be stenciled on all entrances except the storerooms, and shall read as follows:

**DANGER
PERMIT REQUIRED
CONFINED SPACE
DO NOT ENTER**

C498 GATE LASHING COMPONENTS (CLIN 0002)

A. CONTRACT DRAWING

617-A215-01, General Arrangements

B. GENERAL

The Contractor shall provide the following components for the bottom gate lashing assemblies:

- 7/8 inch diameter 6x19, IWRC, extra improved plow steel (XIPS) wire rope in 2, 3 and 5-foot lengths, fitted with closed swage sockets at each end, similar to CROSBY S-502 (Stock No. 1039487). Quantities are 28 each 2-foot, 3-foot and 5-foot wire-rope pendant assemblies, including end fittings.
- 1 ¼ x 24 jaw-jaw turnbuckles, similar to CROSBY HG-228 (48 required)
- 1 ½ x 24 jaw-jaw turnbuckles, similar to CROSBY HG-228 (8 required)
- 1” anchor shackle, similar to CROSBY G-209 (56 required)

The Contractor shall assemble these components as shown on the Contract Drawing. The lashing assemblies containing the 1 1/2x24 turnbuckle shall be specially marked, to distinguish it from the other assemblies.

The gate lashing components shall be packaged on pallets and placed in the storeroom, for final delivery.

The Contractor shall provide certification for the wire rope minimum breaking strength of 79,600 lbs.

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C600 MECHANICAL

C685 STOREROOM VENTILATION

A. **CONTRACT DRAWING**

617-A215-01, General Arrangements

B. **GENERAL**

The Contractor shall provide forced ventilation for each Storage Room. Each room shall have a centrifugal roof ventilator mounted on top of its companionway to exhaust air supplied to the space through an 8" nominal diameter, Schedule 80 steel supply air pipe located on the main deck. The supply air pipe shall be routed through the outside void space and into the Storage Room through the watertight longitudinal bulkhead. The vent pipe shall terminate on the main deck with a 180-degree return and have a stainless steel insect screen.

The ventilator fan shall be rated for approximately 200 cfm @ ½-inch S.P. and shall be similar to a Hartzell Type DDD, size 82 with a 1750 rpm motor.

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C700 ELECTRICAL

C720 ONE LINE DIAGRAM

A. **CONTRACT DRAWING**

617-A215-01, General Arrangements

B. **GENERAL**

The Contractor shall prepare a detailed one-line diagram, based upon the requirements of Contract Clauses C685, C730, C740, C745, C755, C760 & C765, and submit for review.

C725 CABLING REQUIREMENTS

Cables shall be similar to L.F. GAUBERT, Specification #474, TNIU/A/B Series, 90°C rated, armored, USCG & ABS approved. Armored cables used shall be basket weave armor (bronze or aluminum jacket). The armored cable shall be installed grounded at both ends using grounding cable gland fittings Hawke International model 153 or equivalent.

The Contractor shall select the size of the cables based on the current distribution requirements from the one-line diagrams. All cables for receptacle circuits shall be 12 AWG or larger.

All cable installations shall comply with all applicable provisions of IEEE-45 Clause 25.

All wiring shall be clipped and bracketed to provide straight, vertical and horizontal runs throughout the vessel. All cable shall be mounted to the brackets or trays using a single banking installation method. Cable supports shall be heavy enough to bear the weight of cables without bending, and all supports shall have rough or sharp edges removed so that cable armor will not be damaged. Horizontal and vertical runs of cable shall be supported by brackets spaced every 2 feet.

All cable shall be professionally installed so that any two cables do not cross over each other.

Soldering shall be performed only with resin or other neutral flux. Ends of all wires not tinned by the cable manufacturer shall be tinned before securing to terminals or before applying lugs.

Solderless lugs shall be used wherever practicable. Terminals or lugs that are to be soldered to cable ends shall first be cleaned and tinned or treated with a neutral flux to ensure a good bond.

Connections to equipment and terminal boards shall be made with compression type connectors.

All interconnecting cables and wiring shall be marked at each termination and at each watertight bulkhead or deck with circuit or system identification. Power distribution wiring shall be marked to indicate phase and polarity. All cables shall be suitably identified throughout their length with cable tags identifying the circuit designation. The tags are to be fabricated from strip aluminum or bronze with raised lettering and shall be securely fastened to the cable by banding.

Cable penetrations through watertight decks or bulkheads shall use multi-cable transits similar to the ROX System or brass or steel stuffing tubes.

C730 LIGHTING & RECEPTACLES

A. CONTRACT DRAWING

617-A215-01, General Arrangements

B. GENERAL

The Contractor shall prepare and submit, a detailed lighting and receptacle drawing, based upon the following minimum requirements:

- 20-A, 120-V single-phase duplex receptacles (2 in each storeroom, mounted on a longitudinal bulkhead near each companionway; 8 receptacles, located 36 inches above the main deck, mounted on the outside of each companionway). All receptacles shall be GFCI.
- 150-W globe-type incandescent bulb lights sufficient to meet the requirements of IES RP-12, in each storeroom. One bulb light (150-W) with marine type enclosure located on the exterior of each companionway, above the door.

The Contractor shall locate the storeroom light switches so that they are at the top of the companionways.

C740 SWITCHGEAR

A. CONTRACT DRAWING

617-A215-01, General Arrangements

B. GENERAL

The Contractor shall provide one combined mechanical/electrical interlock on the companionway, located near the top of the stairway, that prevents simultaneous provision of shore power at both ends of the vessel. The details of this interlock shall be shown on the lighting and receptacles.

C745 DISTRIBUTION PANELS

A. CONTRACT DRAWING

617-A215-01, General Arrangements

B. GENERAL

The Contractor shall provide one circuit breaker panel, with individual breakers dedicated for each receptacle. The breaker panel shall be equipped with a main disconnect. The breaker panel shall have amp and volt meters and ground fault indicator lights or meter. The details of the circuit breaker panel shall be shown on the lighting and receptacles drawing.

All breakers shall be individually labeled with load name and circuit number.

C755 TRANSFORMERS

A. CONTRACT DRAWING

617-A215-01, General Arrangements

B. GENERAL

The Contractor shall provide one 480 V-208Y/120V step-down transformer. The details of the step-down transformer shall be shown on the lighting and receptacles drawing. Transformer over current protection ratings shall be in accordance with NEC 450.3(B) employing both primary and secondary protection.

C760 SHORE POWER SERVICE

A. CONTRACT DRAWING

617-A215-01, General Arrangements

B. GENERAL

The Contractor shall provide 2 shore power 480-V, three-phase, four wire (No. 3) receptacles rated at 100-A, similar to MELTRIC in form and function (one at each vessel end, mounted 36" above the main deck on sturdy channel sections, forming an arrangement, similar to railroad or tripod bumpers, with receptacle outlets facing towards midships). The details of the shore power receptacles shall be shown on the lighting and receptacles drawing.

C765 OFF-VESSEL SERVICE

A. CONTRACT DRAWING

617-A215-01, General Arrangements

B. GENERAL

The Contractor shall provide 2 off-vessel power 480-V, three-phase, four wire (No. 3) receptacles rated at 100-A, similar to MELTRIC in form and function, installed on the same fixtures that support the shore power receptacles. The details of the off-vessel power receptacles shall be shown on the lighting and receptacles drawing.

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PART I - THE SCHEDULE - SECTION E
INSPECTION AND ACCEPTANCE

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E01 INSPECTION

The contract will be managed by the Marine Design Center (MDC) of the U.S. Army Corps of Engineers (USACE) and is subject to inspection by its appointed representatives to insure strict compliance with the terms of the contract. No Government Representative, except the Contracting Officer, is authorized to change any provision of the specifications, nor shall the presence or absence of a Government Representative relieve the Contractor from any requirements of the contract.

The Contractor shall provide "Safe for Workers" labels, in accordance with the OSHA regulations stated in 29 CFR 1915.11-12, for all confined and enclosed spaces prior to permitting entrance for work or inspection. This procedure shall be reflected in the Contractor's Safety Plan. See Section H.

Entry shall not be permitted to any confined or enclosed space that does not have a current "Safe for Workers" label.

E02 NOT USED**E03 QUALITY CONTROL AND INSPECTION**

After Notice To Proceed with "ENGINEERING & SCHEDULING" the Contractor shall develop a Contractor Quality Control (CQC) and Inspection Program for the work required in this contract. This program shall contain two sub-programs which will provide for review and quality control of the "Engineering and Scheduling" submittals and regular inspection and testing of the construction work in progress and the preparation and maintenance of documentation and records.

The first sub-program, (CQC of the engineering phase), must be submitted within 14 calendar days after the Notice To Proceed with the "ENGINEERING & SCHEDULING" phase of the contract.

The second sub-program, (CQC of the construction phase), must be submitted and accepted in the "Engineering and Scheduling" phase of the contract. The Notice To Proceed with "Construction, Test, and Delivery", will not be issued until this document is accepted.

The documentation and records of sub-program 1 shall:

- Define the review and correction process for all "Engineering and Scheduling" phase submittals with particular attention given to the Final Design Drawings.

The documentation and records of sub-program 2 shall:

- Define Contractor tests and inspections to be accomplished for each work item of the contract. Such tests and inspections shall be keyed to the appropriate paragraph of each clause.
- Be commensurate with the complexity of the work in the specification and adequate to assure the Contractor that the product or subproduct offered conforms to the requirements of the contract.
- Be available to the Government Representative at all times and contain recorded data of all Contractor conducted inspections and tests conducted to date. All Quality Control reports, including those of subcontractors and regulatory agencies will be maintained and included in the Test Report of Clause E05.
- List by name and title, the Contractor's representatives who are authorized to witness or perform and sign for each test and inspection.

The following are the minimum requirements for data to be recorded:

- Type of inspection or test (e.g., visual, mechanical, liquid penetrant, radiographic), accept/reject criteria, and a statement as to whether the inspection was satisfactory or unsatisfactory.
- Number and type of deficiencies of material or workmanship found in the product or subproduct inspected and corrective action taken to correct the deficiencies and, for repetitive deficiencies, to preclude recurrence.
- Date and signature of the Authorized Contractor Representative who witnessed or performed the test or inspection.
- Responsible authorized personnel shall inspect the work in progress and all completed work, conduct necessary tests and record the data required. An Authorized Contractor Representative shall sign the records attesting to the validity of the information.

Contractor certified inspection is an integral part of all work, therefore the COR will consider the entire contract incomplete if Contractor documentation and records signed by the Contractor's Authorized Representative are not complete.

A. SUBCONTRACTORS

Work subcontracted and/or performed away from the shipyard is covered by this inspection system. The prime Contractor cannot delegate the authority to witness or perform, and sign for tests and inspections conducted away from the shipyard, without approval of the COR.

If the subcontractor has an established Quality Control program with designated organization and personnel, the prime Contractor may designate an appropriate individual in that organization as his authorized representative. Such designation shall clearly indicate that the individual is an employee of a subcontractor and his appointment shall be subject to the approval of the COR.

B. TESTING

When any workmanship, material, or apparatus fails to pass any test or inspection, it shall be fully retested only after all known faults have been eliminated. Where directed by the COR, such failed material or apparatus shall be completely removed from the work and renewed. Any defects in workmanship or material shall be remedied by the Contractor at no additional cost to the Government, except where work was performed on material furnished by the Government.

E04 FACILITIES FOR PERSONNEL

While it is not intended that the Marine Design Center shall have a Resident Engineer's Office, the Contractor shall provide office space at the construction site for use by a Marine Design Center staff of three people.

The office space shall be convenient to the work site. The space shall be air conditioned, heated, ventilated, well maintained and well secured, and have toilet and shower facilities nearby. The space and facilities shall be suitable for both male and female staff.

The Contractor shall furnish two parking spaces within the construction site, in safe locations and near the assigned office space.

The office space shall be furnished, as a minimum, with 2 desks, 4 chairs, two commercial telephone lines, one commercial telephone with speakerphone capability, access to both the Contractor's internal and external telephone service, and one drawing table suitable for layout of drawings. The second phone line shall be independent, so that a government owned laptop PC can communicate over the Internet simultaneously.

The MDC Representatives inspecting the construction may bring with them cameras, and various items of communication and test equipment. The Contractor shall permit unencumbered ingress and egress to and from the shipyard and the vessel with such equipment.

Upon request, the MDC Representatives shall have the unrestricted use of the following office equipment at the Contractor's construction site:

- FAX machine with a dedicated outside telephone line.
- Photocopier with reduction/enlargement and sorting capability. The Contractor shall provide the photocopier with paper, fluids, toner and service.

E05 TRIALS, TESTS AND DEMONSTRATIONS

A. GENERAL REQUIREMENTS

1. Levels of Testing

The Contractor shall perform tests on all equipment, machinery, and systems; individually, and integrated as a whole. The tests shall be performed as necessary to demonstrate satisfactory compliance with the Specification requirements contained in Section C, "DESCRIPTIONS/SPECIFICATIONS/WORK STATEMENTS," of this Contract.

The Contractor shall perform five levels of testing:

Level 1	Pre-Trial Tests
Level 2	Builder's Dock Trials
Level 3	Dock Trials

All demonstrations, tests, and trials shall be performed as specified herein. The Contractor shall furnish all labor, materials, tools, and test equipment as necessary and perform the testing, trials, and demonstrations specified.

2. Consumables and Operating Fluids

The Contractor shall furnish all fuel oil, hydraulic oil, lubricating oil, engine anti-freeze, treatment chemicals, degreasing agents, gases, potable water and any other consumables required to perform the tests and demonstrations.

3. Test Agenda and Test Memoranda

The Contractor shall prepare an Agenda and Test Memoranda of the required tests and trials in accordance with the requirements set forth herein. Two copies of the Agenda and Test Memoranda shall be submitted to the COR for review and approval 30 days after NTP with repowering.

a. Test Agenda

The Contractor shall prepare a Test Agenda for Level 3 Tests and Trials. The Agenda shall be a complete, detailed schedule of all tests, trials and demonstrations specified in this clause. The Test Agenda shall be arranged by day, not date, and shall list the specific tests, trials, and demonstrations, and the sequence in which these will be performed.

b. Test Memoranda

The Contractor shall prepare Test Memoranda for all systems and equipment tested under the Levels 1, 2, and 3 test and trial requirements of this clause. The test memoranda shall describe the actual test procedures, and data to be taken. The procedures shall be in accordance with the “start-up” procedures for the equipment, as delineated in the operating manuals furnished for the equipment by the manufacturer. The Contractor shall incorporate demonstrations of all applicable controls, instruments, and alarms, into each system’s Builder’s Dock Trials and Dock Trials sections of the Test Memoranda. Data recorded in time intervals shall be tabular so that data trends can be easily recognized

Each test memorandum shall:

- Reference the operator’s manual used to format the test procedure.
- Describe instrumentation for each test.
- Include a blank space for relevant nameplate data, ambient conditions, tested parameter values for each time interval, designated values for pass/fail.
- Include signature block for Contractor’s representatives and Government Representatives, confirmation/verification that the tested system has been inspected and is complete and installed in accordance with the approved “As-Built” drawings.
- Include signature blocks for Contractor’s representatives, Government Representatives and ABS witness signatures, along with times and dates.
- Include a space for writing comments.

The Test Memoranda shall be typed on 8-1/2 inch by 11 inch sheets of paper, single side, in three ring notebook, with dividers for each test section. Each page shall include the Marine Design Center project number at the top. The memoranda shall be arranged by system and equipment, with each level of testing for a specific system or piece of equipment recorded under the respective heading.

The Test Memoranda shall be arranged by system and level of testing similar to the following outline:

X. System (or equipment)

Pre-Trial Tests

Builder's Dock Trials

Dock Trials

4. Test Report

The Contractor shall compile the results of all tests and trials in a Test Report in accordance with the requirements set forth herein. Four levels of test reporting are required in accordance with the following schedule.

- Within 2 days of the completion of any Pre-Trial test, a copy of the documentation of that test shall be available to the Government Representative for review.
- A preliminary Builder's Dock Trial Test Report shall be available to the Government Representative for examination following the successful completion of Pre-Trial Tests (Level 1) and the Builder's Dock Trials (Level 2).
- Following the successful completion of Dock Trials (Level 3), the Contractor shall make the Dock Trials Test Report available to the Government Representative for review.

a. Test Report Requirements Level 1, 2, and 3:

The Contractor shall make available a Test Report comprised of the results of all required Level 1, Level 2 and Level 3 tests and trials, and the results of all vendor's tests. The Test Report shall be the filled-in version of the Test Memoranda. The test report shall be maintained current as tests and test levels progress. The test report shall be furnished in three ring binders, with dividers for each test. The Test Report, including the results of all Level 1 and Level 2 trials, shall be available to the COR prior to, and during, the Level 3 tests. The Test Report, including the results of all Level 1, Level 2 and Level 3 tests and trials, shall be available for review by the Government Representative.

b. Test Report Review and Approval

The Test Report shall be reviewed and accepted by both the Contractor and the COR at the conclusion of each level of testing. Review and approval of the Test Report by the Contractor and the COR is a precondition of moving to the next level of testing. The final version of the Test Report, including results of all three levels of the tests and trials, shall be bound in three ring binders and submitted in triplicate, within 10 calendar days following successful completion of the Level 3 demonstrations, and prior to Final Payment.

c. Deficiencies

The COR will compile a list of deficiencies which will be given to the Contractor. All deficiencies shall be corrected. Final Acceptance of the vessel will be made following remedy of all deficiencies.

The successful completion of all tests, trials, demonstrations and remedied deficiencies, shall be determined by the COR.

B. PRE-TRIAL TESTS (LEVEL 1)

The Pre-Trial tests are designed to insure proper construction, and installation of all equipment, piping, and electrical systems, tanks, and exterior and interior bulkheads. Pre-trial tests shall be performed during the course of construction and prior to the beginning of Builder's Dock Trials (Level 2).

The COR shall be notified at least 24 hours in advance of any such testing and may, at his discretion, send a Government representative to witness any or all tests. The Contractor shall coordinate with ABS to assure that all tests required by contract to be witnessed, are witnessed. Documentation of all pre-test inspection shall be in accordance with the requirements of Clause E03 (Quality Control and Inspection). All deficiencies, including cracks, leaks, grounds detected in new circuits, or poor workmanship shall be corrected prior to commencement of Builder's Trials (Level 2). Pre-trial tests shall include the following:

1. Hull

All watertight bulkheads shall be tested in accordance with ABS Rules to the satisfaction of the ABS Surveyor. Bulkheads below the main deck shall be hose tested for tightness prior to coating.

2. Doors, Hatches and Manholes

The companionway door, storeroom access hatch and all manholes shall be hose tested with water for watertightness, prior to coating.

These shall be coordinated to permit the government representative to witness the tests.

3. HVAC

Test the ventilation fans to ensure adequate operation and installation.

4. Electrical

a. Cabling

Insulation resistance readings of all installed or modified power and lighting cable shall be taken using a 500-volt megger, and shall be in accordance with IEEE Standard 45, Section 34.2. The measured cable insulation resistance must meet or exceed the minimum values outlined in the referenced IEEE publication. Also, measure the voltage drop of the longest receptacle circuit. A complete record of all readings shall be kept to assure that all circuits and equipment have been checked and for possible assistance in troubleshooting any discrepancies detected during subsequent testing.

b. Switchboards

Insulation resistance of any switchboard or distribution panel shall be measured using a 500-volt megger and shall be in accordance with IEEE Standard 45, Section 34.4.

C. BUILDER'S DOCK TRIALS (LEVEL 2)

Builder's Dock Trials are a preliminary "run-through" of all required Dock Tests (Level 3) by the Contractor. The intent of this testing is to provide both the Contractor and the COR reasonable assurance that all equipment and systems have been thoroughly prepared and are ready for formal testing and that the Contractor has made adequate provisions for Dock Trials (Level 3).

Builder's Dock Trials shall be conducted at the Contractor's facility listed in Section B of the contract. The COR shall be notified, in writing, at least 2 working days prior to the scheduled commencement date of Builder's Trials. The Test Report must be current prior to commencing Builder's Dock Trials.

The trials shall be of sufficient scope and duration to assure that all equipment and systems are complete and capable of performing as required during Dock Trials.

D. DOCK TRIALS (LEVEL 3)

Dock Trials are the operability tests the Contractor must perform in the presence of the Government Representative to demonstrate the proper installation, operation, control, and performance of all equipment, machinery, and systems installed as part of this contract. Specific dock trials and demonstrations are defined in paragraph E.

In addition, each test or demonstration shall include control and instrumentation operation as applicable.

Prior to the start of Dock Trials, all construction and installations must be complete (except for final cleaning and touch-up painting), and all Level 1 and Level 2 testing must be successfully completed and documented. The Test Report must be current through the two levels of testing and accepted by the COR before Level 3 testing can proceed.

Commencement of Dock Trials shall not be sooner than one full working day after completion of Builder's Dock Trials. The COR shall be notified immediately of any condition which would delay the conduct of Dock Trials.

The COR shall be notified in writing 10 working days in advance of the date set for testing. Results of the Level 2 Testing must be faxed to the Marine Design Center at least one day prior to the start of the Dock Trials, if Level 2 Testing was not attended by a Government Representative.

All testing and trials shall be conducted in accordance with the Agenda and in the presence of a Government representative for the following equipment:

- Deck tie-downs
- Main Switchgear
- Winches

During dock trials and thereafter, the atmosphere in spaces being prepared for, and preserved by, paints and tank coatings dissolved in highly volatile, toxic, and flammable solvents (29 CFR 1915.35(b)), shall be tested frequently and shall be in accordance with the U.S. Occupational Safety and health Agency Standards regulations stated in CFR 1915.31-36.

Within 24-hours of final inspection, and before any representative of the U.S. Government boards the vessel for such duties, each compartment or space to be inspected shall be certified "SAFE FOR WORKERS" by the National Fire Protection Associations (NFPA) competent person. This means that in the compartment or space so designated:

- The oxygen content in the atmosphere is at the least 19.5 percent by volume;
- Toxic materials in the atmosphere are within permissible concentrations;

- The residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's certificate.

The Contractor shall notify the Government when this certificate has been issued. The vessel will not be inspected and accepted by the Government without an NFPA Marine Chemist certificate for each hull compartment designated "SAFE FOR WORKERS."

The success of all tests and the existence of any deficiencies shall be determined by the COR.

E. SPECIFIC DOCK TRIALS AND DEMONSTRATIONS

The Contractor shall test in the presence of the Government representative all onboard equipment and systems. Among the tests performed shall be the following:

1 DECK TIE-DOWNS

- Vertical pull testing at a load of 109,000 lbs, which represents 125% of the resultant of all tie-down force components identified in Contract Clause C305 (87,000 lbs), shall be performed and held for 10 minutes, on all deck tie-downs contained within a random sample of ten groups of four deck tie-down assemblies. The test load shall be applied directly to the deck tie-downs. The test load shall not be applied to the circular rings, since they will have been tested by the manufacturer. The locations of the tested deck tie-down assemblies shall be determined by the COR.
- After the pull test, magnetic particle testing shall be performed for all welds on the tested deck tie-downs, including welds that connect the insert plate to the deck plate.

2 HVAC

- Demonstrate the operation and measure the cfm output of the ventilation fans.

3 WINCHES

- Demonstrate operation of the deck winches.

4 ELECTRICAL SYSTEM

- Switchgear - Demonstrate the operation of all circuit breakers and all equipment in the main switchboard. Safely demonstrate all mechanical and electrical interlock, bus ties breakers, and shore power breakers.
- Switchboard - Demonstrate all features of the switchboard such as the voltmeters and selector switches, ammeters and selector switches, frequency meters and selector

- switches, power available indicator lights, space heaters, ground detection lights and test switches, and ground ammeter and test switch.
- Distribution Panels - Demonstrate the operation of all circuit breakers in the distribution panel boards.
 - Convenience Receptacles - Demonstrate the operability of all receptacles. Check the receptacles for polarity and voltage drop. For GFCI types, demonstrate their ability to trip and reset.
 - Lighting - Demonstrate the operation of all interior, exterior and floodlights. Demonstrate the operation of all new lighting switches.

E06 FINAL INSPECTION

When all work and Level 3 testing has been satisfactorily completed at the builder's yard, the Contractor and a Government Representative shall make a complete physical inspection and inventory of the vessel. A "punch list" of deficiencies will be developed and presented to the Contractor for corrective action.

All corrective action necessary to eliminate the "punch list" deficiencies shall be completed at the Contractor's facility. The Contractor shall give the COR 7 working days notice prior to the desired date of reinspection.

Prior to any inspection or reinspection, the vessel and all its equipment shall be thoroughly cleaned and all painting and finishes required to be performed by the contractor put in first class condition.

E07 PROVISIONAL ACCEPTANCE AND DELIVERY

Delivery of the vessel may not be started until Provisional Acceptance of the vessel has been made. The vessel will be Provisionally Accepted at the builder's yard upon satisfactory completion of the following:

- Level 3 Tests and Trials.
- Correction of all "punch list" deficiencies
- Receipt of required contract deliverables

The Contractor shall deliver the vessel to the U.S. Army Corps of Engineers, Rock Island District, LeClaire Base, Maintenance Section, Pleasant Valley, IA. The vessel shall be delivered under tow by a vessel operated by contractor personnel. The vessel shall be subject to a complete inspection at the time of delivery.

The Contractor shall assume all costs associated with the delivery and shall deliver the vessel afloat and "Ready for Service", which is defined as clean inside and out; all trash, dunnage, lashing, and delivery related material disposed of; loose items of outfit in place; all electrical and

mechanical systems operational; equipment properly adjusted; instruments and electronics calibrated or aligned, fuel and water tanks filled and damaged paint touched up. The Contractor shall provide necessary personnel, equipment and materials to make the vessel "Ready for Service." Every space, compartment, and deck of the vessel shall be cleaned to the satisfaction of the COR.

E08 FINAL ACCEPTANCE

Final Acceptances will be made following successful completion of Level 3 tests and trials (see Clause EO5). Following Level 3 tests and trials, the contractor's crew shall be responsible for touching up any damaged paint and providing any necessary adjustments, alignments or calibrations still remaining. Final acceptance will be made at the U.S. Army Corps of Engineers, Rock Island District, LeClaire Base, Maintenance Section, Pleasant Valley, IA.

E09 COMMERCIAL WARRANTY OF SUPPLIES

The Contractor shall assign, in writing, all commercial warranties for equipment provided under this contract to the Government. The effective date of all commercial warranties shall be the date of Final Acceptance

E10 RESPONSIBILITY FOR SUPPLIES

52.246-16 RESPONSIBILITY FOR SUPPLIES (APR 1984)

(a) Title to supplies furnished under this contract shall pass to the Government upon formal acceptance, regardless of when or where the Government takes physical possession, unless the contract specifically provides for earlier passage of title.

(b) Unless the contract specifically provides otherwise, risk of loss of or damage to supplies shall remain with the Contractor until, and shall pass to the Government upon--

(1) Delivery of the supplies to a carrier, if transportation is f.o.b. origin; or

(2) Acceptance by the Government or delivery of the supplies to the Government at the destination specified in the contract, whichever is later, if transportation is f.o.b. destination.

(c) Paragraph (b) of this section shall not apply to supplies that so fail to conform to contract requirements as to give a right of rejection. The risk of loss of or damage to such nonconforming supplies remains with the Contractor until cure or acceptance. After cure or acceptance, paragraph (b) of this section shall apply.

(d) Under paragraph (b) of this section, the Contractor shall not be liable for loss of or damage to supplies caused by the negligence of officers, agents, or employees of the Government acting within the scope of their employment.

(End of clause FAR 52 246-16)

PART I - THE SCHEDULE - SECTION F
DELIVERY OR PERFORMANCE

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F01 TIME OF DELIVERY

52 211-8 TIME OF DELIVERY (JUN 1997)

(a) The Government requires completion of all work and delivery to be made in accordance to the following schedule:

REQUIRED DELIVERY SCHEDULE

ITEM NUMBER	DESCRIPTION	QUANTITY	WITHIN DAYS AFTER DATE OF NOTICE TO PROCEED
0001AA	Planning and Scheduling	1 lump sum	30 calendar days
0001AB	Engineering	1 lump sum	210 calendar days
0001AC	Construction, Testing, and Delivery	1 lump sum	330 calendar days
0002	Construction, Testing, and Delivery	1 lump sum	330 calendar days

If the Government exercises the optional line item 0002, the period of performance will run concurrent with Line Item 0001AC.

The Government will evaluate equally, as regards time of delivery, offers that propose delivery of each quantity within the applicable delivery period specified above. Offers that propose delivery that will not clearly fall within the applicable required delivery period specified above, will be considered non-responsive and rejected. The Government reserves the right to award under either the required delivery schedule or the proposed delivery schedule, when an earlier delivery schedule than required above. If the offeror proposes no other delivery schedule, the required delivery schedule above will apply.

OFFEROR'S PROPOSED DELIVERY SCHEDULE

ITEM NUMBER	DESCRIPTION	QUANTITY	WITHIN DAYS AFTER DATE OF NOTICE TO PROCEED
0001AA	Planning and Scheduling	1 lump sum	_____ calendar days
0001AB	Engineering	1 lump sum	_____ calendar days
0001AC	Construction, Testing, and Delivery	1 lump sum	_____ calendar days

0002	Construction, Testing, and Delivery	1 lump sum	____ calendar days
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(b) Attention is directed to the Contract Award provision of the solicitation that provides that a written award or acceptance of offer mailed, or otherwise furnished to the successful offeror, results in a binding contract. The Government will mail or otherwise furnish to the offeror an award or notice of award not later than one day after the award is dated. Therefore, the offeror should compute the time available for performance beginning with the actual date of Notice to Proceed rather than the date the written notice is received from the Contracting Officer through the ordinary mails. However, the Government will evaluate an offer that proposes delivery based on the Contractor's date of receipt of the contract or notice of award by adding five days for delivery of the award through the ordinary mails. If, as so computed, the offered delivery date is later than the required date, the offer will be considered non-responsive and rejected.

(End of Clause FAR 52 211-8)

For the purpose of estimating the phase completion and contract completion dates, the Contractor should take into account the time required to review the Contractor's submittals and the time between phases required to issue a Notice To Proceed. Refer to Clause H01 for additional explanation.

F02 PLACE OF DELIVERY - FOB DESTINATION REQUIRED

The Contractor shall deliver the vessel afloat and ready for service, with Government owned spare gates, lashings, and associated equipment loaded aboard the vessel, at the following location:

U.S Army Corps of Engineers
 Rock Island District
 LeClaire Base, Maintenance Section
 Pleasant Valley, Iowa
 Upper Mississippi River Mile 493

U.S Army Corps of Engineers
 Rock Island District
 25549 182nd Street
 P.O Box 534
 Pleasant Valley, Iowa 52761

F03 NOT USED**F04 LIQUIDATED DAMAGES**

52 211-11 LIQUIDATED DAMAGES

(a) If the Contractor fails to deliver the supplies or perform the services within the time specified in this Contract or any extension, the Contractor shall, in place of actual damages, pay to the Government as fixed, agreed and liquidated damages, for each calendar day of delay the sum of:

<u>For Line Item 0001AA:</u>	<u>\$ 0.00</u>
<u>For Line Item 0001AB</u>	<u>\$ 500.00</u>
<u>For Line Items 0001AC, 0002:</u>	<u>\$ 1050.00</u>

(b) Alternatively, if delivery or performance is so delayed, the Government may terminate this Contract in whole or in part under the Termination for Default - Fixed Price, Supply and Services clause in this Contract and in that event, the Contractor shall be liable for fixed, agreed, and liquidated damages accruing until the time the Government may reasonably obtain delivery or performance of similar supplies or services. The liquidated damages shall be in addition to excess costs under the Termination clause.

(c) The Contractor shall not be charged with liquidated damages when the delay in delivery or performance arises out of causes beyond the control and without the fault or negligence of the Contractor as defined in the Termination for Default - Fixed Price, Supply and Services clause of this contract.

(End of clause FAR 52.211-11)

F05 STOP WORK ORDER

52.242-15 STOP-WORK ORDER (AUG 1989)

(a) The Contracting Officer may, at any time, by written order to the Contractor, require the Contractor to stop all, or any part, of the work called for by this contract for a period of 90 days after the order is delivered to the Contractor, and for any further period to which the parties may agree. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, the Contractor shall immediately comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the work covered by the order during the period of work stoppage. Within a period of 90 days after a stop-work is delivered to the Contractor, or within any extension of that period to which the parties shall have agreed, the Contracting Officer shall either--

- (1) Cancel the stop-work order; or
 - (2) Terminate the work covered by the order as provided in the Default, or the Termination for Convenience of the Government, clause of this contract.
- (b) If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, the Contractor shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule or contract price, or both, and the contract shall be modified, in writing, accordingly, if--
- (1) The stop-work order results in an increase in the time required for, or in the Contractor's cost properly allocable to, the performance of any part of this contract; and
 - (2) The Contractor asserts its right to the adjustment within 30 days after the end of the period of work stoppage; provided, that, if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon the claim submitted at any time before final payment under this contract.
- (c) If a stop-work order is not canceled and the work covered by the order is terminated for the convenience of the Government, the Contracting Officer shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.
- (d) If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

(End of clause FAR 52.242-15)

F06 GOVERNMENT DELAY OF WORK

52.242-17 GOVERNMENT DELAY OF WORK (APR 1984)

- (a) If the performance of all or any part of the work of this contract is delayed or interrupted
 - (1) by an act of the Contracting Officer in the administration of this contract that is not expressly or impliedly authorized by this contract, or
 - (2) by a failure of the Contracting Officer to act within the time specified in this contract, or within a reasonable time if not specified, an adjustment (excluding profit) shall be made for any increase in the cost of performance of this contract caused by the delay or interruption and the contract shall be modified in writing accordingly. Adjustment shall also be made in the delivery or performance dates and any other contractual term or condition affected by the delay or interruption. However, no adjustment shall be made under this clause for any delay or interruption to the extent that performance would have been delayed or interrupted by any other cause, including the fault or negligence of the Contractor, or for

which an adjustment is provided or excluded under any other term or condition of this contract.

- (b) A claim under this clause shall not be allowed
 - (1) for any costs incurred more than 20 days before the Contractor shall have notified the Contracting Officer in writing of the act or failure to act involved, and
 - (2) unless the claim, in an amount stated, is asserted in writing as soon as practicable after the termination of the delay or interruption, but not later than the day of final payment under the contract.

(End of clause FAR 52.242-17)

F07 F.O.B. DESTINATION

52.247-34 F.O.B. DESTINATION (NOV 1991)

- (a) The term “f.o.b. destination,” as used in this clause, means--
 - (1) Free of expense to the Government, on board the carrier’s conveyance, at a specified delivery point where the consignee’s facility (plant, warehouse, store, lot, or other location to which shipment can be made) is located; and
 - (2) Supplies shall be delivered to the destination consignee’s wharf (if destination is a port city and supplies are for export), warehouse unloading platform, or receiving dock, at the expense of the Contractor. The Government shall not be liable for any delivery, storage, demurrage, accessorial, or other charges involved before the actual delivery (or “constructive placement” as defined in carrier tariffs) of the supplies to the destination, unless such charges are caused by an act or order of the Government acting in its contractual capacity. If rail carrier is used, supplies shall be delivered to the specified unloading platform of the consignee. If motor carrier (including “piggyback”) is used, supplies shall be delivered to truck tailgate at the unloading platform of the consignee, except when the supplies delivered meet the requirements of Item 568 of the National Motor Freight Classification for “heavy or bulky freight.” When supplies meeting the requirements of the referenced Item 568 are delivered, unloading (including movement to the tailgate) shall be performed by the consignee, with assistance from the truck driver, if requested. If the contractor uses rail carrier or freight forwarded for less than carload shipments, the contractor shall ensure that the carrier will furnish tailgate delivery, when required, if transfer to truck is required to complete delivery to consignee.
- (b) The Contractor shall--
 - (1) (i) Pack and mark the shipment to comply with contract specifications; or

- (ii) In the absence of specifications, prepare the shipment in conformance with carrier requirements;
- (2) Prepare and distribute commercial bills of lading;
- (3) Deliver the shipment in good order and condition to the point of delivery specified in the contract;
- (4) Be responsible for any loss of and/or damage to the goods occurring before receipt of the shipment by the consignee at the delivery point specified in the contract;
- (5) Furnish a delivery schedule and designate the mode of delivering carrier; and
- (6) Pay and bear all charges to the specified point of delivery.

(End of clause FAR 52.247-34)

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PART I - THE SCHEDULE - SECTION G
CONTRACT ADMINISTRATION DATA

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PART I - THE SCHEDULE - SECTION G
CONTRACT ADMINISTRATION DATA

G01 ACCOUNTING AND APPROPRIATION DATA

WORK ORDER ITEM NUMBER: 002HB9

G02 CONTRACT MANAGEMENT

Marine Design Center
U.S. Army Corps of Engineers
Wanamaker Building
100 Penn Square East
Room 630 South
Philadelphia, Pennsylvania 19107-3391

NOTE: The Marine Design Center is the “Designated Billing Office” as defined by Part II -
Contract Clauses - Section I, “Prompt Payments”

G03 PAYMENT OFFICE

U.S. Army Corps of Engineers Finance Center
5720 Integrity Drive
Millington, TN 38054-5005

G04 CONTRACT ADMINISTRATION

Commander and District Engineer
U.S. Army Corps of Engineers District, Philadelphia
ATTN: CENAP-CT-C
Wanamaker Building
100 Penn Square East
Room 643
Philadelphia, Pennsylvania 19107-3390

G05 POSTAWARD CONFERENCE

252.242-7000 POSTAWARD CONFERENCE (DEC 1991)

The Contractor agrees to attend any postaward conference convened by the contracting activity or contract administration office in accordance with Federal Acquisition Regulation subpart 42.5.

(End of clause FAR 252 242-7000)

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PART I - THE SCHEDULE - SECTION H
SPECIAL CONTRACT REQUIREMENTS

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PART I - THE SCHEDULE - SECTION H
SPECIAL CONTRACT REQUIREMENTS

H01 CONTRACT ORGANIZATION

A. PLANNING

Planning is Line Item 0001AA of the contract and commences only after receipt by the Contractor of a Notice of Contract Award (Award) and a Notice To Proceed (NTP) with contract Line Item 0001AA, "PLANNING," respectively. In this first phase of the contract, the Contractor is required to present planning information that demonstrates a logical, orderly and workable approach to the contract. The Contractor is not authorized to begin the engineering and scheduling until this phase of the project is completed, and the planning documents are approved by the COR, at which time an additional Notice To Proceed will be issued.

B. ENGINEERING & SCHEDULING

Engineering and Scheduling is line item 0001AB of the contract and commences only after receipt by the Contractor of a Notice To Proceed with contract Line Item 0001AB, "ENGINEERING & SCHEDULING," respectively. In this second phase of the contract, the Contractor is required to complete the design, perform other production engineering, and develop the contract schedule. The Contractor is not authorized to begin physical construction until this phase of the project is completed, and the engineering and scheduling documents are approved by the COR, at which time an additional Notice To Proceed will be issued.

C. CONSTRUCTION, TESTING AND DELIVERY AT GOVERNMENT'S FACILITY

Construction, Testing, and Delivery at the Government's Facility is line item 0001AC of the contract and will commence only after completion of the engineering and scheduling phase and receipt by the Contractor of Notice To Proceed with Line Item 0001AC, respectively. During this third phase of the contract, necessary records and scheduling documents shall be completed, the vessel constructed, tests and trials performed, as-built drawings completed, and final acceptance shall be made. This phase of the contract is completed with receipt by the Contractor of a letter of Final Acceptance and submittal of all final documents.

Optional Line Item 0002 of the contract will commence only after the option is awarded and receipt by the Contractor of Notice to Proceed with Line Item 0002.

D. PHASE SEQUENCING

It is intended that the three phases for the vessel will be performed sequentially.

The time allotted for each phase spans an interactive process involving both the Contractor and the Government. This process includes preparation, review and approval of the phase submittals, contract administration, mailing, preparation and issuance of Notices To Proceed.

In order for the Contractor to plan the work and for the Government to properly apply Liquidated Damages and Termination Clauses, a graphic identifying the sequence milestones and the performance period allotted to each milestone has been developed and is shown on a following page.

The graphic shows the three basic contract phases. Each contract phase is further subdivided into the milestones that must be completed within each phase and the amount of time allowed for accomplishing each. Note that the total time allowed for each phase of the contract matches the "REQUIRED DELIVERY SCHEDULE" in Clause F01. The graphic will be updated to reflect the successful Offeror's proposed schedule if it is shorter than the required schedule.

The milestones and periods of performance identified in the graphic are contract requirements.

The Contractor must be aware that the quality, completeness and detail of the submittals have a direct bearing on the approval process. Extended review iterations will extend the time necessary to receive approval of the submittals and will subject the Contractor to assessment of Liquidated Damages or Termination for Default.

Refer to Clause H05, Review of Contractor Submittals, for information concerning the submittal review process.

CLIN 0001

Receipt by Contractor of NTP Phase I (Planning)

Phase I - CLIN 0001AA 30 Calendar Days	20 CD	Receipt at MDC of initial submittal of all Phase I deliverables
	5 CD	Receipt by Contractor of submittal review
	5 CD	Receipt at MDC of final revised Phase I deliverables (if necessary)

15 CD

Receipt by Contractor of NTP Phase II (Engineering & Scheduling)

Phase II - CLIN 0001AB 210 Calendar Days	150 CD	Receipt at MDC of initial submittal of all Phase II deliverables
	30 CD	Receipt by Contractor of submittal review
	30 CD	Receipt at MDC of final revised Phase II deliverables (if necessary)

30 CD

Receipt by Contractor of NTP Phase III (Construction, Testing, and Delivery at Government's Facility)

Phase III - CLIN 0001AC 330 Calendar Days	330 Calendar Days	Construction, Testing, and Delivery to Government Facility
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CONTRACT PHASE SEQUENCING

CLIN 0002

Receipt by Contractor of NTP Phase III (Construction, Testing, and Delivery at Government's Facility)

Phase III - CLIN 0002 330 Calendar Days	330 Calendar Days	Construction, Testing, and Delivery to Government Facility
--	-------------------	--

H02 CONTRACTOR SUBMITTALS

A. PLANNING - PHASE I SUBMITTALS

The following is a summary of the items that the Contractor must submit during the Planning Phase. All items must be received, reviewed and accepted by the COR before a Notice To Proceed (NTP) will be issued for the Engineering and Scheduling phase of the contact:

<u>SUBMITTAL ITEM</u>	<u>CONTRACT CLAUSE REFERENCE</u>
• Quality Control Plan for Phase II	E03
• Authorized Contractor Representative List	E03
• Construction Plan	H06
• Procurement Plan	H08
• Subcontracting Plan	H09
• Engineering Qualifications	H09
• Submittal Schedule	H11
• Drawing Index	H12

B. ENGINEERING & SCHEDULING - PHASE II SUBMITTALS

The following is a summary of items that the Contractor must submit after a Notice To Proceed with the “ENGINEERING & SCHEDULING” phase of the contract is issued. All items must be received, reviewed, and approved by the COR before a Notice To Proceed with the “CONSTRUCTION, TESTING & DELIVERY AT GOVERNMENT’S FACILITY” phase of the contract will be issued. The following items are required:

<u>SUBMITTAL ITEM</u>	<u>CONTRACT CLAUSE REFERENCE</u>
• Quality Control & Inspection Plan for Phase III	E03
• Test Memoranda & Agenda	E05
• Contractor Safety Plan	H07
• Material & Equipment Schedule	H10
• Engineering & Drawings	H13

C. CONSTRUCTION, TESTING, & DELIVERY AT GOVERNMENT’S FACILITY - PHASE III SUBMITTALS

The following is a summary of items that the Contractor must submit after a Notice To Proceed with the “CONSTRUCTION, TESTING, and DELIVERY AT GOVERNMENT’S FACILITY” phase of the contract is issued. All items must be received, reviewed and approved by the COR before Final Payment will be made. The following items are required:

<u>SUBMITTAL ITEM</u>	<u>CONTRACT CLAUSE REFERENCE</u>
• ABS Certificate of Classification	C004
• Welder Certification	C025
• Paint Certification & Warranty	C406
• Certificate of Examination and Test of Wire Rope	C456
• Certificate of Examination and Test of Wire Rope (CLIN 0002)	C498
• Test Schedule	E05
• Test Report.....	E05
• Commercial Warranties	E09
• Purchase Orders\Specifications	H10
• As-Built Drawings	H14
• Manufacturer’s or Subcontractor’s Drawings and Manuals	H16
• Record Photographs	H18

H03 DESIGN REQUIREMENTS

The Contractor shall provide the necessary engineering to develop a Detailed Design for the vessel. The paragraphs listed below provide a description of the level of detail required for performing additional engineering and design development.

The scantlings and main structure for the hull and foundations shall be defined. Structural drawings shall delineate all structural members, brackets, plating and plate seams, all welding and all joint details complete with all dimensions noted. "Typical" views may be used for numerous repetitions of identical or mirror images. Every effort shall be made to make the design consistent from sheet to sheet and drawing to drawing. Calculations showing that all plate, bulkheads, stiffeners, girders, stanchions and diagonals meet the minimum requirements of ABS and any specific requirements of Section C of this solicitation shall be submitted with the structural drawings. The calculations shall be clearly annotated as to specific requirement being addressed and explanation of all assumptions.

The Weight Estimate shall break down the weights sufficiently so as to allow easy review of all values with reference to the drawings they represent, their quantity and location. Weights shall not be lumped into single values by deck level or longitudinal segment. An example of an acceptable weight estimate is Reference Drawing 665-C115-01. A detailed Intact and Damage Stability analysis shall be performed for the vessel. Each report shall be prepared in accordance with the requirements noted in the appropriate clauses of Section C (clause C115, C150, and C155).

The electrical system shall be defined with consumers identified and quantified, controls and switchgear identified, a complete load analysis, short circuit analysis and one line diagram prepared. Cabling and lighting drawings shall be prepared using the general arrangements for background. Catalog cut-sheets primary power equipment shall be submitted with the system drawings.

Joiner details and material selection shall be worked out with schedules for doors, fixtures, etc. Catalog cut-sheets shall be submitted with the system drawings.

Any drawing submitted without the required catalog cutsheets and calculations, as stated herein or in the appropriate clause of Section C, will not be considered a formal submittal and will not be reviewed.

During the development of the detailed design, the Contractor may discover circumstances that dictate a need to change some of the equipment or materials specifically required by the contract. Examples of this situation might be that the item is no longer available, or the lead time is too great to meet the vessel delivery. Such circumstances shall be immediately identified to the COR by letter for resolution, along with a proposed solution. Adjustments to the contract required as a result of such circumstances, will be made under the "CHANGES" Clause.

The Contractor shall prepare detailed design drawings for regulatory submittals, COR submittal, "As-Built" drawings, and other technical details necessary to support his administration, operation, and production practices. Refer to Clause H13, Engineering & Drawings, for a minimum list of required drawings and drafting standards.

H04 NOT USED

H05 REVIEW OF CONTRACTOR SUBMITTALS

The Marine Design Center will review the drawings, data and other material submitted by the Contractor in the various contract phases for the vessel.

Submittals from the Contractor must be clear as to what the submittal represents and the action the Contractor requests the Government perform.

The Government's review is intended to be limited to the functional aspects of the submittals to ensure compliance with the contract specifications and will include technical review to ensure that sound naval architecture and marine engineering practices are followed. This does not relieve the Contractor from any engineering, design, or quality assurance responsibility.

The Contractor shall comply with the requirements of the design embodied in the contract. Where review, approval, classification or certification by ABS, USCG, USPHS, or other regulatory agency is a provision of the contract, Government review of Contractor submittals may not address the requirements of those agencies. It is implicit that Government acceptance of submittals will be contingent upon satisfactory fulfillment of those requirements.

Submittals found to be completely acceptable to the Contracting Officer's Representative without comment will be marked "ACCEPTED."

Submittals found to be generally acceptable to the Contracting Officer's Representative with qualifying comments will be marked "ACCEPTED WITH COMMENTS" but may or may not require resubmission depending on the COR's assessment of the criticality of the comments.

"ACCEPTED WITH COMMENTS" submittals being resubmitted will be reviewed only to ensure that the previous comments have been adequately incorporated. Resubmission requirements will be clearly marked on the return.

Submittals unacceptable to the Contracting Officer's Representative will be marked "NOT ACCEPTED." Submittals not accepted will always require full and complete re-submittal. Such re-submittal will result in a full and complete review as though it was a first submittal.

Submittals furnished for information only or for which the Contractor has not indicated the required review action will be marked "EXAMINED."

The Contractor shall insure that all review comments are incorporated in corrected submittal documents or are rebutted in separate correspondence. The Contractor is encouraged to completely discuss all submittal comments with the MDC author in order to insure complete and effective communication.

The Contractor will not use the drawing review or submittal process for contract deviations. Changes in equipment, materials, construction techniques or details must be the subject of separate, specific correspondence. Any such request made by the Contractor must be specific and clear as to what is contractually required, the proposed change, location and/or extent, benefits resulting from the change and effect on contract cost and delivery.

Submittals for review by the Government will be return mailed in accordance with the Contract Phase Sequencing graphic presented in Clause H01. Contractors shall plan their submittal schedules so as not to affect contract performance.

H06 CONSTRUCTION PLAN

After receipt of the Notice To Proceed with Line Item 0001AA, PLANNING, the Contractor shall develop and submit to the Contracting Officer's Representative the Contractor's proposed plan for the construction of the vessel.

The plan shall be prepared on USACE standard ENG Form 2454 (Construction Progress Chart) furnished by the Government. A copy of this form is included in Section J. The plan will be a summary level view of the contract. The plan will show the Contractor's proposed starting date, duration in weeks, ending date, and percentage completion (both as planned and as achieved) for all of the major activities of the contract. The plan shall also show the amount of the total bid price (percent and actual dollars) associated with each activity. The plan will also have the progress "S" curve plotted (both as planned and as achieved).

The activities shown on the chart shall be developed by the Contractor and shall include, as a minimum, the following:

- Direct Construction Labor, separated into principal vessel areas
- Material Purchases separated into principal vessel areas
- Material Deliveries separated into principal vessel areas
- Engineering
- Construction of modules
- Test and Trials
- Delivery
- Overhead and Profit

In addition, the following milestone events, as a minimum, shall be marked on the chart time-line:

- Award of Contract
- Notice to Proceed with “PLANNING”
- Notice to Proceed with “ENGINEERING & SCHEDULING”
- Notice To Proceed with “CONSTRUCTION, TESTING, & DELIVERY AT GOVERNMENT FACILITY”
- Tests and Trials
- Final Inspection
- Provisional Acceptance
- Delivery
- Final Acceptance

After review, revision as necessary and approval by the COR; the plan shall be updated and submitted monthly with the Progress Payment Request.

H07 CONTRACTOR'S SAFETY PLAN

After Notice To Proceed with Line Item 0001AB, ENGINEERING & SCHEDULING, the Contractor shall submit a Safety Plan for the facility at which the work is to be performed.

The Contractor's Safety Plan shall outline the procedures used by the Contractor to ensure the safety of his employees and minimize lost-time accidents.

The Safety Plan shall identify by name and title the Contractor's Safety Officer who is responsible for enforcing the Contractor's safety rules and the Contractor's designated "Competent Person" (29 CFR 1915.7) who is responsible for testing the atmosphere in confined and enclosed spaces. In the event that the Contractor has no designated "competent person," a statement that a Marine Chemist will perform the tests and inspections that require a "competent person" shall be included with the Safety Plan, and the name of the Marine Chemist shall appear on the Subcontracting Plan (Clause H09).

H08 PROCUREMENT PLAN

After Notice To Proceed with Line Item 0001AA, PLANNING, the Contractor shall submit a Procurement Plan for the vessel.

The Procurement Plan shall identify the major or schedule controlling components and equipment in the contract, estimated delivery time for each, the selected vendor and planned date of ordering.

The Procurement Plan shall be in "spread sheet" format and will later be developed into the Material and Equipment Schedule of clause H10.

Upon written approval of the Procurement Plan by the COR, the Contractor may commence procurement of any or all of those items on the plan.

Costs for long lead items and materials which are in the accepted procurement plan must be included on the bid schedule under line item 0001AC, CONSTRUCTION, TESTING, AND DELIVERY AT GOVERNMENT FACILITY. Progress payments will be made in accordance with Clause H20, Progress Payment Based On A Percentage Or Stage Of Completion.

H09 SUBCONTRACTING PLAN

After Notice To Proceed with line item 0001AA, PLANNING, the Contractor shall submit a Subcontracting Plan for the contract. This should not be confused with the SUBCONTRACTING PLAN required of Large Business as a part of their affirmative action responsibilities.

The Subcontracting Plan shall identify the areas or features of the contract or vessel which will be performed, all or in part by Subcontractors. The plan shall identify the scope of work, Subcontractor firm's name, and reference the Subcontractor's proposal or letter of intent.

The Contractor shall provide copies of all pre and post contract correspondence between themselves and their representatives and all potential Subcontractors when requested by the Contracting Officer's Representative.

The Subcontracting Plan shall specifically address the Contractor's plan for design and engineering.

If any part of the Contractor's engineering is to be subcontracted, the Contractor shall also submit the Subcontractor's qualifications, the scope of work and the contract, purchase order, or letter of intent.

If the engineering is to be performed by the Contractor's hired labor, the plan shall make that specifically clear. The Contractor shall provide a statement of qualifications for any "in house" engineering personnel.

All persons employed as naval architects or marine engineers, either by the Contractor or by any Subcontractor, shall be professionally competent by virtue of education, training, experience or licensing.

The Subcontracting Plan shall be in "spread sheet" format and will be incorporated into the Material & Equipment Schedule of Clause H10.

Upon written approval of the Subcontracting Plan by the Contracting Officer's Representative, the Contractor is authorized to proceed to place the subcontracts listed on the plan.

H10 MATERIALS & EQUIPMENT SCHEDULE

After Notice To Proceed with line item 0001AB, ENGINEERING & SCHEDULING, the Contractor shall develop a schedule of all items, including major stock materials (excluding nuts, bolts, gaskets, consumables, etc.), to be used in the construction of the vessel. The schedule shall be prepared in "spread sheet" format and contain the following information for the vessel:

- Component/equipment
- Quantity
- Vendor name and address
- Make, model, and options
- Drawing references (if appropriate)
- Purchase Order or Contract Number
- Scheduled order date
- Actual order date
- Scheduled (promised) receipt at shipyard
- Actual receipt at shipyard

After submittal, review, revision and approval by the COR, the schedule shall be updated and submitted to the Government monthly. Final submission to MDC shall include priced copies of all purchase orders, purchase specifications and receipts.

Upon written approval of the schedule by the Contracting Officer's Representative, the Contractor is authorized to proceed with procurement of all items and materials in the schedule.

At any time during the contract, the COR may request and the Contractor shall furnish, correspondence, telephone conversation records, priced copies of purchase orders, purchase specifications and material receipts or other records between the Contractor and the various subcontractors.

H11 SUBMITTAL SCHEDULE

After receipt of Notice To Proceed with line item 0001AA, PLANNING, the Contractor shall develop a submittal schedule for all Contractor submittals required by the contract (Refer to Clause H02).

The schedule shall be in “spreadsheet” format and contain the following minimum information for the vessel:

- Drawing or calculation number (if any)
- Name or title of submittal
- Scheduled submittal date(s)
- Actual submittal date(s)
- Submittal letter number
- Reply letter number
- Reply letter date

For drawings or items with repetitive submittals (monthly, etc.) the schedule must allow for drawing review iterations or repetitive submissions.

After review, subsequent revision and approval by the COR, the schedule will be updated and submitted with the monthly Progress Payment Request for the life of the contract.

H12 DRAWING INDEX

After Notice To Proceed with line item 0001AA, PLANNING, the Contractor shall prepare an index of all drawings and calculations to be prepared by the Contractor as part of this contract. The list will be subdivided into two parts.

The first part shall list all the drawings the Contractor intends or expects to prepare during the “ENGINEERING & SCHEDULING” phase of the contract. See Clause H13.

The second part shall list all As-Built drawings. The As-Built drawings shall consist of updated and corrected originals of all the drawings prepared by the Contractor (listed in the first part of this index) plus any standard drawings or details created by the Contractor during construction.

Both parts of this index shall be complete with drawing title, the Contractor’s drawing number (if any) and scheduled submittal date.

After review, revision, and approval by the COR the index will be updated and submitted monthly to the Contracting Officer’s Representative.

H13 ENGINEERING & DRAWINGS

A. ENGINEERING

The Contractor will perform engineering (prepare calculations, drawings, etc.) in order to:

- Develop the Detailed Design
- Obtain regulatory body approval
- Develop detailed cable routings
- Develop shop drawings
- Develop construction details
- Prepare complete bills of materials
- Obtain COR approval for NTP with Construction
- Complete As-Built drawings

All drawings and documents prepared by the Contractor or substantively modified by the Contractor shall be forwarded to the Marine Design Center for review, comment, and acceptance. In addition to the minimum required drawings listed in paragraph C (DESIGN OUTLINE) below, the Contractor shall provide all drawings required by ABS for vessel classification. Obtaining ABS approval of drawings shall be the responsibility of the Contractor.

It is the responsibility of the Contractor to schedule submission of the listed drawings/documents to allow for review by MDC, without adversely affecting the construction schedule or submittals to regulatory bodies (refer to Clause H02).

B. DRAWINGS

All drawings shall be prepared in CADD form, and shall conform to the American National Standards Institute (ANSI) Standard Y14. Drawings shall be flat, folded to 8 1/2" x 11" size and trimmed to within 1/2" of the outer border. Drawing size shall be format A (horizontal or vertical) or D as defined by ANSI Y14.1. In no case will drawings of any other size or format be accepted. Title blocks shall conform to ANSI dimensions and shall be submitted to MDC for approval before use. Drawings of two or more sheets shall have follow-on sheets titled according to ANSI Y14.1 for continuation sheets and shall not be separately titled.

Four copies of each drawing, calculation, report, or document shall be submitted to MDC for review. Only if appropriate numbers of copies are submitted will one copy be returned to the Contractor showing the Government review action.

One copy of each drawing or document reviewed and stamped by ABS, along with its associated ABS comment letter shall be provided to the COR.

C. DESIGN OUTLINE

All drawings required for ABS Classification and ABS Statement of Fact Letters shall be provided by the Contractor. In addition to those drawings, the Contractor shall provide the drawings listed below. However, information shown on the ABS drawings, but also listed below, need not be duplicated.

<u>DRAWING OR DOCUMENT NUMBER</u>	<u>TITLE</u>	<u>FORMAT OF DELIVERABLE</u>
CONTRACT LINE ITEM NUMBER 0001		
#617-C000-01	TITLE SHEET	DRAWING
#617-C000-02	DRAWING INDEX	DRAWING
#617-C105-01	LINES PLAN	DRAWING
#617-C115-01	WEIGHT ESTIMATE	CALCULATIONS
#617-C125-01	HYDROSTATICS	CALCULATIONS
#617-C150-01	DAMAGE STABILITY ANALYSIS	CALCULATIONS
#617-C155-01	TRIM AND STABILITY BOOKLET	CALCULATIONS
#617-C160-01	LONGITUDINAL STRENGTH	CALCULATIONS
#617-C170-01	DOCKING PLAN	DRAWING
#617-C205-01	OUTBOARD PROFILE	DRAWING
#617-C215-01	GENERAL ARRANGEMENT	DRAWING
#617-C301-01	MIDSHIP SECTION	DRAWING
#617-C305-01	SCANTLING PLANS	DRAWING
#617-C309-01	TRANSVERSE BULKHEADS	DRAWING
#617-C311-01	LONGITUDINAL STRUCTURE	DRAWING
#617-C398-01	MISC STRUCTURAL DETAILS	DRAWING
#617-C399-01	STRUCTURAL CALCULATIONS	CALCULATIONS

<u>DRAWING OR DOCUMENT NUMBER</u>	<u>TITLE</u>	<u>FORMAT OF DELIVERABLE</u>
#617-C410-01	HULL OUTFIT	DRAWING
#617-C410-02	TOWKNEE INSTALLATION & DETAILS	DRAWING
#617-C410-03	RUB RAILS INSTALLATION & DETAILS	DRAWING
#617-C415-01	DOORS, HATCHES & MANHOLES	DRAWING
#617-C420-01	DECK FITTINGS & MOORING ARRANGEMENT	DRAWING
#617-C425-01	STOREROOM FLOORING	DRAWING
#617-C427-01	VERTICAL & INCLINED LADDERS	DRAWING
#617-C460-01	HULL MARKINGS	DRAWING
#617-C498-01	GATE LASHING PADEYES INSTALLATION – ARRANGEMENT AND DETAILS	DRAWING
#617-C498-02	LASHING PADEYE UNDER DECK REINFORCEMENT	DRAWING
#617-C685-01	STOREROOM VENTILATION SYSTEM	DRAWING
#617-C720-01	ONE LINE DIAGRAM	DRAWING
#617-C730-01	LIGHTING & RECEPTACLES PLAN	DRAWING

H14 “AS-BUILT” DRAWINGS

In order to provide a record of the “As-Built” vessel, the Contractor shall update the Detailed Design drawings, calculations, reports, and documents to clearly show the construction, details and systems of the vessel at the time of Final Delivery.

All of the drawings, reports and documents shown on the Submittal Schedule required by Clause H11 and the Drawing Index required by Clause H12 will be updated and corrected to form an “As-Built” record of the vessel.

The Government shall have unlimited use of the drawings listed on the drawing index.

The “As-Built” materials for the vessel shall be delivered as follows:

1. Prior to the Tests and Trials of the vessel (see Section E), the Contractor shall submit one set of prints of the “As-Built” drawings for review and approval.
2. Prior to Provisional Acceptance, the Contractor shall provide the following:
 - Three sets of black or blue line prints of all “As-Built” drawings.
 - One set of high quality (original) Mylar reproducibles of all “As-Built” drawings.
 - Four sets of electronic “As-Built” drawings. Two sets of files shall be provided on DVD-ROM. The other two sets of files shall be provided on 4-3/4” 650 MB 74 min digital compact disk (CD). All files shall be provided in Raster Image. Each drawing sheet shall be a separate electronic file with a filename, which conforms to the file naming convention below, and shall be provided in Tagged Image File Format (“*.tif” or “*.tiff” file format). Compressed utilities such as PKZIP® may not be used.
 - Four sets of electronic files of all calculations and reports. Two sets of files shall be provided on DVD-ROM. The other two sets of files shall be provided on 4-3/4” 650 MB 74 min digital compact disk (CD). All files shall be provided in Adobe Acrobat “*.pdf” file format. Each set of calculations or complete report shall be a separate electronic file with a filename that conforms to the file naming convention below. Compression utilities such as PKZIP® may not be used.
 - Four sets of electronic files of all CADD prepared drawings. Two sets of files shall be provided on DVD-ROM. The other two sets of files shall be provided on 4-3/4” 650 MB 74 min digital compact disk (CD). All files shall be provided in AutoCAD 2000 “*.dwg” file format or higher. Each drawing sheet shall be a separate electronic file with a filename that confirms to the file naming convention below. Compression utilities such as PKZIP® may not be used.

3. Files furnished on CD and DVD-ROM shall be encased in standard plastic jewel boxes. Slim line jewel cases are not acceptable. Each box shall be labeled on the cover and an index, in numerical order by filename, shall be furnished inside the protective cover.

4. Each CD and DVD-ROM shall be labeled with the contract title, contract number, and the general content of the disk.

FILE NAMING CONVENTION:

Files, drawings, calculations and reports shall be named based on the hull number, design phase (A=Concept, B=Preliminary, C=Detailed, D=As-Built, E through Z=Post delivery engineering efforts), WBS number, task number (a discrete system or component within a single WBS), sheet number, revision, and file extension for electronic files (".tif" ".tiff" ".pdf" ".dwg"), as applicable. The following example will illustrate the naming convention:

For the third sheet and third revision of a multi-sheet electrical one-line diagram (for the purposes of this example this is for the DC system and is identified as the 2nd task of the electrical system one-line diagrams) concept drawing for hull number 617, the document name would be:

Hull Number	617
Design Phase	A
WBS Number	720
Task Number	02
Sheet Number	03
Revision	C
File extension	.dwg

Drawing Number: 617-A720-02-sheet 3 Revision C

AutoCAD Filename: 617-A720-02-03C.dwg

Raster Image Filename: 617-A720-02-03C.tif

H15 SUBSTITUTIONS

“Substitution” as used in this clause, is an administrative action, not resulting in a contract change of cost or time.

Prior to issuance of a NTP with “Construction, Testing and Delivery at the Government’s Facility,” the Contractor shall prepare and submit a comprehensive list and analysis of any Contractor proposed substitutions of the equipment and materials required in the contract.

The Substitution List shall be limited to equipment and materials specifically required by the contract. Equipment and Materials where the Contractor has selection responsibility (i.e. “similar to”) are not to be included in the list.

Each proposed substitution shall be accompanied with a detailed analysis and comparison of the equipment or materials specified and the equipment or materials proposed, including features, dimensions, performance characteristics, benefit to the Government, and the compelling reason why the substitution should be made. In the absence of compelling reasons for making the substitution, the Contractor’s proposal may be denied.

Should the substitution be accepted, the Contractor shall be responsible for integrating the substitution into the design at no increase in contract cost or no extension of contract completion. Such modifications to the design must be completed, submitted for approval, revised as necessary and accepted by the COR prior to issuing a NTP for Construction, Testing and Delivery at the Government’s Facility.

The Contractor bears ultimate responsibility for satisfactory performance of all systems impacted or affected by an accepted substitution as well as the operation of the completed vessel, as affected by the substitution.

Once a NTP with Construction, Testing and Delivery at the Government’s Facility has been issued, substitutions will not be considered.

H16 MANUFACTURER OR SUBCONTRACTOR DRAWINGS & MANUALS

For the vessel, the Contractor shall provide four complete sets of drawings and manuals for each piece of machinery and equipment provided by the Contractor; that clearly describe the operation, construction, maintenance, repair, adjustment, lubrication, parts lists and “trouble shooting” of every item of machinery and piece of equipment. This shall include Detailed Fabrication Drawings where they exist.

Manuals shall be in the English language with all dimensions in the foot-pound-second systems of units. Manuals shall be bound in hard covers of durable materials.

Manufacturer’s or Subcontractor’s drawings may be included in the manual but must be folded to page size.

Drawings not suitable for inclusion in the manuals must be considered as engineering and design drawings and shall be prepared and submitted in accordance with the requirements of Clause H13, Engineering & Drawings.

At least 30 days prior to Final Inspection of the vessel, one set of the manuals shall be submitted to the Contracting Officer’s Representative for review, comment and/or approval. This set of manuals will be returned to the Contractor with approval or comments.

Final submittal of the manuals shall consist of three sets of the manuals and must be completed prior to Provisional Acceptance of the vessel.

If photocopies (Xerox or similar) of parts lists, text, diagrams, etc., are furnished, one of the sets shall be a “Master” and must be made up of all “original” sheets and be clearly identified as the “Master” copy. Photocopies will be clear with high black/white contrast, sharp lines, full sheet reproduction, and no background shadow or clutter.

Where catalog “cut-sheets” are provided, all information not pertinent to the equipment or machinery provided shall be obliterated.

H17 NOT USED

H18 RECORD PHOTOGRAPHS

A. CONSTRUCTION PROGRESS PHOTOGRAPHS

The Contractor shall provide monthly photographs deliverable in digital format. The photographs shall document the construction progress, the launching, and tests and trials of the vessel.

The photographs shall be provided via e-mail. Photographs shall be JPG file format of at least SVGA Resolution, 24-bit color depth, and at a compression ratio no greater than 25% (75% Quality).

For the vessel, approximately 15 or 20 photographs shall be provided monthly. The quantity of photographs shall be commensurate with the level of production.

B. FINAL PHOTOGRAPHS

1. Digital Photography Requirements

For the vessel, a minimum of 50 different digital photograph interior shots showing the final condition of all deckhouse and machinery spaces of the vessel shall be provided by the Contractor. The interior shots shall be taken from different angles in each space to show the equipment arrangement and space layout. The digital photograph files for the vessel shall be provided on 4-3/4" 650 MB 74 min digital compact disk (CD). Two complete sets of the photos shall be provided to the Government.

2. Color Film Photography Requirements

The Contractor shall furnish the services of a professional photographer to take regular color photographs of the completed vessel.

For the vessel, a minimum of 10 different exterior photographs, using color photograph film, shall be taken to include:

- a. Profile view of each side
- b. Profile view of each end
- c. Profile views of the vessel corner
- d. Plan or overhead view of the vessel

For the vessel, the Contractor shall provide one negative and ten prints for each of two exterior shots, which will be selected by the COR upon review of shipyard exterior photos. Color prints shall be 8 inch x 10 inch. (Total of 20 prints).

For the vessel, the COR shall select two shots from the exterior view photos, which shall be custom printed in 11 inches x 14 inches size, professionally mounted, double matted and framed under clear glass in suitable wooden frame. Two sets of each picture shall be furnished to the Contracting Officer's Representative (total of four matted and framed photos), for the vessel.

H19 GOVERNMENT PROPERTY

All Government-Furnished equipment and equipment for which the Government has made payment or partial payment shall be considered Government Property.

The Contractor shall accept all risk for Government property in his possession.

The Contractor shall maintain an inventory of all Government Property, update and submit the inventory monthly.

All Government Property shall be stored in enclosed, weather tight secure, warehouse buildings. Security shall consist of restricted access, locked and fenced storage. Warehouse buildings shall be heated above freezing and ventilated to prevent condensation or sweating.

The Contractor shall mark all Government property with the following information:

CEMVR
US Army Corps of Engineers
Contract #W912BU-04-C-xxxx* (*TBD after award)

Markings shall be in 3-inch letters in paint of contrasting color. The markings shall be placed on at least three sides of each piece of Government property. NOTE: The spare gates will NOT need to be painted or marked.

The spare gates shall be stored on wood blocks not in contact with the ground, vegetation, or standing water. All gates shall be stored vertically such that they drain water; they shall be supported uniformly at each vertical diaphragm; and shall be guyed down for wind loadings. The gates will become available for shipment by the contractor after March 2005. The Contractor shall ship the gates within two weeks notice provided by the Government. The gates, specified in reference drawings clause J01, paragraph D, shall be shipped from:

G & G STEEL

18625 Hwy 243
Russellville, AL 35653

POC: Danny Gist, (256)-332-6652

H20 PROGRESS PAYMENT BASED ON PERCENTAGE OR STAGE OF COMPLETION

The Government shall pay the Contractor the contract price as provided in this contract.

The Government shall make progress payments monthly as the work proceeds, or at more frequent intervals as determined by the Contracting Officer, on estimates of work accomplished which meets standards of quality established under the contract, as accepted by the Contracting Officer. If requested by the Contracting Officer, the Contractor shall furnish a breakdown of the total contract price showing the amount included therein for each principal category of work, in such detail as requested, to provide a basis for determining progress payments. In the preparation of estimates, the Contracting Officer may authorize payment for material delivered to the site and at locations other than the site may also be taken into consideration if---

- Consideration is specifically authorized by this contract; and
- The Contractor furnishes satisfactory evidence that it has acquired title to such material and that the material will be used to perform this contract.

If the Contracting Officer finds that satisfactory progress was achieved during any period for which progress payment is to be made, the Contracting Officer shall authorize payment to be made in full. However, if satisfactory progress has not been made, the Contracting Officer may retain a maximum of fifteen percent (15%) of the amount of the payment until satisfactory progress is achieved. When the work is substantially complete, the Contracting Officer may retain from previously withheld funds and future progress payments that amount the Contracting Officer considers adequate for protection of the Government and shall release to the Contractor all remaining withheld funds.

All material and work covered by progress payments made shall, at the time of payment, become the sole property of the Government, but this shall not be considered as---

- Relieving the Contractor from the sole responsibility for all material and work upon which payments have been made or the restoration of any damaged work; or
- Waiving the right of the Government to require the fulfillment of all of the terms of the contract.

In making these progress payments, the Government shall, upon request, reimburse the Contractor for the amount of premiums paid for performance and payment bonds (including co-insurance and reinsurance agreements, when applicable) after the Contractor has furnished evidence of full payment to the surety. The retainage provision preceding shall not apply to that portion of progress payments attributed to bond premiums.

The Government shall pay the amount due the Contractor under this contract after---

- Completion and acceptance of all work; and
- Presentation of a properly executed voucher.

Notwithstanding any other provision of this contract, progress payments shall not exceed eighty percent (80%) on work accomplished on undefinitized contract actions. A “contract action” is any action resulting in a contract as defined in FAR Subpart 2.1, including contract modifications for additional supplies or services, but not including contract modifications that are within the scope and under the terms of the contract, such as contract modifications issued pursuant to the Changes Clause, or funding and other administrative changes.

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Section I - Contract Clauses

CLAUSES INCORPORATED BY FULL TEXT

52.202-1 DEFINITIONS (JUN 2004)

(a) Agency head or head of the agency means the Secretary (Attorney General, Administrator, Governor, Chairperson, or other chief official, as appropriate) of the agency, unless otherwise indicated, including any deputy or assistant chief official of the executive agency.

(b) Commercial component means any component that is a commercial item.

(c) Commercial item means--

(1) Any item, other than real property, that is of a type customarily used by the general public or by non-governmental entities for purposes other than governmental purposes, and that--

(i) Has been sold, leased, or licensed to the general public; or

(ii) Has been offered for sale, lease, or license to the general public;

(2) Any item that evolved from an item described in paragraph (c)(1) of this clause through advances in technology or performance and that is not yet available in the commercial marketplace, but will be available in the commercial marketplace in time to satisfy the delivery requirements under a Government solicitation;

(3) Any item that would satisfy a criterion expressed in paragraphs (c)(1) or (c)(2) of this clause, but for--

(i) Modifications of a type customarily available in the commercial marketplace; or

(ii) Minor modifications of a type not customarily available in the commercial marketplace made to meet Federal Government requirements. "Minor" modifications means modifications that do not significantly alter the nongovernmental function or essential physical characteristics of an item or component, or change the purpose of a process. Factors to be considered in determining whether a modification is minor include the value and size of the modification and the comparative value and size of the final product. Dollar values and percentages may be used as guideposts, but are not conclusive evidence that a modification is minor;

(4) Any combination of items meeting the requirements of paragraphs (c)(1), (2), (3), or (5) of this clause that are of a type customarily combined and sold in combination to the general public;

(5) Installation services, maintenance services, repair services, training services, and other services if--

(i) Such services are procured for support of an item referred to in paragraph (c)(1), (2), (3), or (4) of this definition, regardless of whether such services are provided by the same source or at the same time as the item; and

(ii) The source of such services provides similar services contemporaneously to the general public under terms and conditions similar to those offered to the Federal Government;

(6) Services of a type offered and sold competitively in substantial quantities in the commercial marketplace based on established catalog or market prices for specific tasks performed or specific outcomes to be achieved and under standard commercial terms and conditions. This does not include services that are sold based on hourly rates without an established catalog or market price for a specific service performed or a specific outcome to be achieved. For purposes of these services--

(i) Catalog price means a price included in a catalog, price list, schedule, or other form that is regularly maintained by the manufacturer or vendor, is either published or otherwise available for inspection by customers, and states prices at which sales are currently, or were last, made to a significant number of buyers constituting the general public; and

(ii) Market prices means current prices that are established in the course of ordinary trade between buyers and sellers free to bargain and that can be substantiated through competition or from sources independent of the offerors.

(7) Any item, combination of items, or service referred to in subparagraphs (c)(1) through (c)(6), notwithstanding the fact that the item, combination of items, or service is transferred between or among separate divisions, subsidiaries, or affiliates of a Contractor; or

(8) A nondevelopmental item, if the procuring agency determines the item was developed exclusively at private expense and sold in substantial quantities, on a competitive basis, to multiple State and local Governments.

(d) Component means any item supplied to the Government as part of an end item or of another component, except that for use in 52.225-9, and 52.225-11 see the definitions in 52.225-9(a) and 52.225-11(a).

(e) Contracting Officer means a person with the authority to enter into, administer, and/or terminate contracts and make related determinations and findings. The term includes certain authorized representatives of the Contracting Officer acting within the limits of their authority as delegated by the Contracting Officer.

(f) Nondevelopmental item means--

(1) Any previously developed item of supply used exclusively for governmental purposes by a Federal agency, a State or local government, or a foreign government with which the United States has a mutual defense cooperation agreement;

(2) Any item described in paragraph (f)(1) of this definition that requires only minor modification or modifications of a type customarily available in the commercial marketplace in order to meet the requirements of the procuring department or agency; or

(3) Any item of supply being produced that does not meet the requirements of paragraph (f)(1) or (f)(2) solely because the item is not yet in use.

(g) "Contracting Officer" means a person with the authority to enter into, administer, and/or terminate contracts and make related determinations and findings. The term includes certain authorized representatives of the Contracting Officer acting within the limits of their authority as delegated by the Contracting Officer.

(h) Except as otherwise provided in this contract, the term "subcontracts" includes, but is not limited to, purchase orders and changes and modifications to purchase orders under this contract.

(End of clause)

52.203-3 GRATUITIES (APR 1984)

(a) The right of the Contractor to proceed may be terminated by written notice if, after notice and hearing, the agency head or a designee determines that the Contractor, its agent, or another representative--

(1) Offered or gave a gratuity (e.g., an entertainment or gift) to an officer, official, or employee of the Government; and

(2) Intended, by the gratuity, to obtain a contract or favorable treatment under a contract.

(b) The facts supporting this determination may be reviewed by any court having lawful jurisdiction.

(c) If this contract is terminated under paragraph (a) of this clause, the Government is entitled--

(1) To pursue the same remedies as in a breach of the contract; and

(2) In addition to any other damages provided by law, to exemplary damages of not less than 3 nor more than 10 times the cost incurred by the Contractor in giving gratuities to the person concerned, as determined by the agency head or a designee. (This subparagraph (c)(2) is applicable only if this contract uses money appropriated to the Department of Defense.)

(d) The rights and remedies of the Government provided in this clause shall not be exclusive and are in addition to any other rights and remedies provided by law or under this contract.

(End of clause)

52.203-5 COVENANT AGAINST CONTINGENT FEES (APR 1984)

(a) The Contractor warrants that no person or agency has been employed or retained to solicit or obtain this contract upon an agreement or understanding for a contingent fee, except a bona fide employee or agency. For breach or violation of this warranty, the Government shall have the right to annul this contract without liability or, in its discretion, to deduct from the contract price or consideration, or otherwise recover, the full amount of the contingent fee.

(b) "Bona fide agency," as used in this clause, means an established commercial or selling agency, maintained by a contractor for the purpose of securing business, that neither exerts nor proposes to exert improper influence to solicit or obtain Government contracts nor holds itself out as being able to obtain any Government contract or contracts through improper influence.

"Bona fide employee," as used in this clause, means a person, employed by a contractor and subject to the contractor's supervision and control as to time, place, and manner of performance, who neither exerts nor proposes to exert improper influence to solicit or obtain Government contracts nor holds out as being able to obtain any Government contract or contracts through improper influence.

"Contingent fee," as used in this clause, means any commission, percentage, brokerage, or other fee that is contingent upon the success that a person or concern has in securing a Government contract.

"Improper influence," as used in this clause, means any influence that induces or tends to induce a Government employee or officer to give consideration or to act regarding a Government contract on any basis other than the merits of the matter.

(End of clause)

52.203-6 RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT (JUL 1995)

(a) Except as provided in (b) of this clause, the Contractor shall not enter into any agreement with an actual or prospective subcontractor, nor otherwise act in any manner, which has or may have the effect of restricting sales by such subcontractors directly to the Government of any item or process (including computer software) made or furnished by the subcontractor under this contract or under any follow-on production contract.

(b) The prohibition in (a) of this clause does not preclude the Contractor from asserting rights that are otherwise authorized by law or regulation.

(c) The Contractor agrees to incorporate the substance of this clause, including this paragraph (c), in all subcontracts under this contract which exceed \$100,000.

52.203-7 ANTI-KICKBACK PROCEDURES. (JUL 1995)

(a) Definitions.

"Kickback," as used in this clause, means any money, fee, commission, credit, gift, gratuity, thing of value, or compensation of any kind which is provided, directly or indirectly, to any prime Contractor, prime Contractor employee, subcontractor, or subcontractor employee for the purpose of improperly obtaining or rewarding favorable treatment in connection with a prime contract or in connection with a subcontract relating to a prime contract.

"Person," as used in this clause, means a corporation, partnership, business association of any kind, trust, joint-stock company, or individual.

"Prime contract," as used in this clause, means a contract or contractual action entered into by the United States for the purpose of obtaining supplies, materials, equipment, or services of any kind.

"Prime Contractor," as used in this clause, means a person who has entered into a prime contract with the United States.

"Prime Contractor employee," as used in this clause, means any officer, partner, employee, or agent of a prime Contractor.

"Subcontract," as used in this clause, means a contract or contractual action entered into by a prime Contractor or subcontractor for the purpose of obtaining supplies, materials, equipment, or services of any kind under a prime contract.

"Subcontractor," as used in this clause, (1) means any person, other than the prime Contractor, who offers to furnish or furnishes any supplies, materials, equipment, or services of any kind under a prime contract or a subcontract entered into in connection with such prime contract, and (2) includes any person who offers to furnish or furnishes general supplies to the prime Contractor or a higher tier subcontractor.

"Subcontractor employee," as used in this clause, means any officer, partner, employee, or agent of a subcontractor.

(b) The Anti-Kickback Act of 1986 (41 U.S.C. 51-58) (the Act), prohibits any person from -

- (1) Providing or attempting to provide or offering to provide any kickback;
- (2) Soliciting, accepting, or attempting to accept any kickback; or
- (3) Including, directly or indirectly, the amount of any kickback in the contract price charged by

a prime Contractor to the United States or in the contract price charged by a subcontractor to a prime Contractor or higher tier subcontractor.

(c)(1) The Contractor shall have in place and follow reasonable procedures designed to prevent and detect possible violations described in paragraph (b) of this clause in its own operations and direct business relationships.

(2) When the Contractor has reasonable grounds to believe that a violation described in paragraph (b) of this clause may have occurred, the Contractor shall promptly report in writing the possible violation. Such reports shall be made to the inspector general of the contracting agency, the head of the contracting agency if the agency does not have an inspector general, or the Department of Justice.

(3) The Contractor shall cooperate fully with any Federal agency investigating a possible violation described in paragraph (b) of this clause.

(4) The Contracting Officer may (i) offset the amount of the kickback against any monies owed by the United States under the prime contract and/or (ii) direct that the Prime Contractor withhold, from sums owed a subcontractor under the prime contract, the amount of any kickback. The Contracting Officer may order the monies withheld under subdivision (c)(4)(ii) of this clause be paid over to the Government unless the Government has already offset those monies under subdivision (c)(4)(i) of this clause. In either case, the Prime Contractor shall notify the Contracting Officer when the monies are withheld.

(5) The Contractor agrees to incorporate the substance of this clause, including this subparagraph (c)(5) but excepting subparagraph (c)(1), in all subcontracts under this contract which exceed \$100,000.

52.203-8 CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY (JAN 1997)

(a) If the Government receives information that a contractor or a person has engaged in conduct constituting a violation of subsection (a), (b), (c), or (d) of Section 27 of the Office of Federal Procurement Policy Act (41 U.S.C. 423) (the Act), as amended by section 4304 of the 1996 National Defense Authorization Act for Fiscal Year 1996 (Pub. L. 104-106), the Government may--

(1) Cancel the solicitation, if the contract has not yet been awarded or issued; or

(2) Rescind the contract with respect to which--

(i) The Contractor or someone acting for the Contractor has been convicted for an offense where the conduct constitutes a violation of subsection 27(a) or (b) of the Act for the purpose of either--

- (A) Exchanging the information covered by such subsections for anything of value; or
 - (B) Obtaining or giving anyone a competitive advantage in the award of a Federal agency procurement contract; or
 - (ii) The head of the contracting activity has determined, based upon a preponderance of the evidence, that the Contractor or someone acting for the Contractor has engaged in conduct constituting an offense punishable under subsections 27(e)(1) of the Act.
 - (b) If the Government rescinds the contract under paragraph (a) of this clause, the Government is entitled to recover, in addition to any penalty prescribed by law, the amount expended under the contract.
 - (c) The rights and remedies of the Government specified herein are not exclusive, and are in addition to any other rights and remedies provided by law, regulation, or under this contract.
- (End of clause)

52.203-10 PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY
(JAN 1997)

- (a) The Government, at its election, may reduce the price of a fixed-price type contract and the total cost and fee under a cost-type contract by the amount of profit or fee determined as set forth in paragraph (b) of this clause if the head of the contracting activity or designee determines that there was a violation of subsection 27 (a), (b), or (c) of the Office of Federal Procurement Policy Act, as amended (41 U.S.C. 423), as implemented in section 3.104 of the Federal Acquisition Regulation.
- (b) The price or fee reduction referred to in paragraph (a) of this clause shall be--
 - (1) For cost-plus-fixed-fee contracts, the amount of the fee specified in the contract at the time of award;
 - (2) For cost-plus-incentive-fee contracts, the target fee specified in the contract at the time of award, notwithstanding any minimum fee or "fee floor" specified in the contract;
 - (3) For cost-plus-award-fee contracts--
 - (i) The base fee established in the contract at the time of contract award;
 - (ii) If no base fee is specified in the contract, 30 percent of the amount of each award fee otherwise payable to the Contractor for each award fee evaluation period or at each award fee

determination point.

(4) For fixed-price-incentive contracts, the Government may--

(i) Reduce the contract target price and contract target profit both by an amount equal to the initial target profit specified in the contract at the time of contract award; or

(ii) If an immediate adjustment to the contract target price and contract target profit would have a significant adverse impact on the incentive price revision relationship under the contract, or adversely affect the contract financing provisions, the Contracting Officer may defer such adjustment until establishment of the total final price of the contract. The total final price established in accordance with the incentive price revision provisions of the contract shall be reduced by an amount equal to the initial target profit specified in the contract at the time of contract award and such reduced price shall be the total final contract price.

(5) For firm-fixed-price contracts, by 10 percent of the initial contract price or a profit amount determined by the Contracting Officer from records or documents in existence prior to the date of the contract award.

(c) The Government may, at its election, reduce a prime contractor's price or fee in accordance with the procedures of paragraph (b) of this clause for violations of the Act by its subcontractors by an amount not to exceed the amount of profit or fee reflected in the subcontract at the time the subcontract was first definitively priced.

(d) In addition to the remedies in paragraphs (a) and (c) of this clause, the Government may terminate this contract for default. The rights and remedies of the Government specified herein are not exclusive, and are in addition to any other rights and remedies provided by law or under this contract.

(End of clause)

52.203-12 LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (JUN 2003)

(a) Definitions.

"Agency," as used in this clause, means executive agency as defined in 2.101.

"Covered Federal action," as used in this clause, means any of the following Federal actions:

(1) The awarding of any Federal contract.

(2) The making of any Federal grant.

(3) The making of any Federal loan.

(4) The entering into of any cooperative agreement.

(5) The extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

"Indian tribe" and "tribal organization," as used in this clause, have the meaning provided in section 4 of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450B) and include Alaskan Natives.

"Influencing or attempting to influence," as used in this clause, means making, with the intent to influence, any communication to or appearance before an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with any covered Federal action.

"Local government," as used in this clause, means a unit of government in a State and, if chartered, established, or otherwise recognized by a State for the performance of a governmental duty, including a local public authority, a special district, an intrastate district, a council of governments, a sponsor group representative organization, and any other instrumentality of a local government.

"Officer or employee of an agency," as used in this clause, includes the following individuals who are employed by an agency:

(1) An individual who is appointed to a position in the Government under Title 5, United States Code, including a position under a temporary appointment.

(2) A member of the uniformed services, as defined in subsection 101(3), Title 37, United States Code.

(3) A special Government employee, as defined in section 202, Title 18, United States Code.

(4) An individual who is a member of a Federal advisory committee, as defined by the Federal Advisory Committee Act, Title 5, United States Code, appendix 2.

"Person," as used in this clause, means an individual, corporation, company, association, authority, firm, partnership, society, State, and local government, regardless of whether such entity is operated for profit, or not for profit. This term excludes an Indian tribe, tribal organization, or any other Indian organization with respect to expenditures specifically permitted by other Federal law.

"Reasonable compensation," as used in this clause, means, with respect to a regularly employed officer or employee of any person, compensation that is consistent with the normal compensation for such officer or employee for work that is not furnished to, not funded by, or not furnished in cooperation with the Federal Government.

"Reasonable payment," as used in this clause, means, with respect to professional and other technical services, a payment in an amount that is consistent with the amount normally paid for such services in the private sector.

"Recipient," as used in this clause, includes the Contractor and all subcontractors. This term excludes an Indian tribe, tribal organization, or any other Indian organization with respect to expenditures specifically permitted by other Federal law.

"Regularly employed," as used in this clause, means, with respect to an officer or employee of a person requesting or receiving a Federal contract, an officer or employee who is employed by such person for at least 130 working days within 1 year immediately preceding the date of the submission that initiates agency consideration of such person for receipt of such contract. An officer or employee who is employed by such person for less than 130 working days within 1 year immediately preceding the date of the submission that initiates agency consideration of such person shall be considered to be regularly employed as soon as he or she is employed by such person for 130 working days.

State, as used in this clause, means a State of the United States, the District of Columbia, or an outlying area of the United States, an agency or instrumentality of a State, and multi-State, regional, or interstate entity having governmental duties and powers.

(b) Prohibitions.

(1) Section 1352 of Title 31, United States Code, among other things, prohibits a recipient of a Federal contract, grant, loan, or cooperative agreement from using appropriated funds to pay any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with any of the following covered Federal actions: the awarding of any Federal contract; the making of any Federal grant; the making of any Federal loan; the entering into of any cooperative agreement; or the modification of any Federal contract, grant, loan, or cooperative agreement.

(2) The Act also requires Contractors to furnish a disclosure if any funds other than Federal appropriated funds (including profit or fee received under a covered Federal transaction) have been paid, or will be paid, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a Federal contract, grant, loan, or cooperative agreement.

(3) The prohibitions of the Act do not apply under the following conditions:

(i) Agency and legislative liaison by own employees.

(A) The prohibition on the use of appropriated funds, in subparagraph (b)(1) of this clause, does not apply in the case of a payment of reasonable compensation made to an officer or employee of

a person requesting or receiving a covered Federal action if the payment is for agency and legislative liaison activities not directly related to a covered Federal action.

(B) For purposes of subdivision (b)(3)(i)(A) of this clause, providing any information specifically requested by an agency or Congress is permitted at any time.

(C) The following agency and legislative liaison activities are permitted at any time where they are not related to a specific solicitation for any covered Federal action:

(1) Discussing with an agency the qualities and characteristics (including individual demonstrations) of the person's products or services, conditions or terms of sale, and service capabilities.

(2) Technical discussions and other activities regarding the application or adaptation of the person's products or services for an agency's use.

(D) The following agency and legislative liaison activities are permitted where they are prior to formal solicitation of any covered Federal action--

(1) Providing any information not specifically requested but necessary for an agency to make an informed decision about initiation of a covered Federal action;

(2) Technical discussions regarding the preparation of an unsolicited proposal prior to its official submission; and

(3) Capability presentations by persons seeking awards from an agency pursuant to the provisions of the Small Business Act, as amended by Pub. L. 95-507, and subsequent amendments.

(E) Only those services expressly authorized by subdivision (b)(3)(i)(A) of this clause are permitted under this clause.

(ii) Professional and technical services.

(A) The prohibition on the use of appropriated funds, in subparagraph (b)(1) of this clause, does not apply in the case of--

(1) A payment of reasonable compensation made to an officer or employee of a person requesting or receiving a covered Federal action or an extension, continuation, renewal, amendment, or modification of a covered Federal action, if payment is for professional or technical services rendered directly in the preparation, submission, or negotiation of any bid, proposal, or application for that Federal action or for meeting requirements imposed by or pursuant to law as a condition for receiving that Federal action.

(2) Any reasonable payment to a person, other than an officer or employee of a person requesting or receiving a covered Federal action or an extension, continuation, renewal, amendment, or

modification of a covered Federal action if the payment is for professional or technical services rendered directly in the preparation, submission, or negotiation of any bid, proposal, or application for that Federal action or for meeting requirements imposed by or pursuant to law as a condition for receiving that Federal action. Persons other than officers or employees of a person requesting or receiving a covered Federal action include consultants and trade associations.

(B) For purposes of subdivision (b)(3)(ii)(A) of this clause, "professional and technical services" shall be limited to advice and analysis directly applying any professional or technical discipline. For example, drafting of a legal document accompanying a bid or proposal by a lawyer is allowable. Similarly, technical advice provided by an engineer on the performance or operational capability of a piece of equipment rendered directly in the negotiation of a contract is allowable. However, communications with the intent to influence made by a professional (such as a licensed lawyer) or a technical person (such as a licensed accountant) are not allowable under this section unless they provide advice and analysis directly applying their professional or technical expertise and unless the advice or analysis is rendered directly and solely in the preparation, submission or negotiation of a covered Federal action. Thus, for example, communications with the intent to influence made by a lawyer that do not provide legal advice or analysis directly and solely related to the legal aspects of his or her client's proposal, but generally advocate one proposal over another are not allowable under this section because the lawyer is not providing professional legal services. Similarly, communications with the intent to influence made by an engineer providing an engineering analysis prior to the preparation or submission of a bid or proposal are not allowable under this section since the engineer is providing technical services but not directly in the preparation, submission or negotiation of a covered Federal action.

(C) Requirements imposed by or pursuant to law as a condition for receiving a covered Federal award include those required by law or regulation and any other requirements in the actual award documents.

(D) Only those services expressly authorized by subdivisions (b)(3)(ii)(A)(1) and (2) of this clause are permitted under this clause.

(E) The reporting requirements of FAR 3.803(a) shall not apply with respect to payments of reasonable compensation made to regularly employed officers or employees of a person.

(c) Disclosure.

(1) The Contractor who requests or receives from an agency a Federal contract shall file with that agency a disclosure form, OMB standard form LLL, Disclosure of Lobbying Activities, if such person has made or has agreed to make any payment using nonappropriated funds (to include profits from any covered Federal action), which would be prohibited under subparagraph (b)(1) of this clause, if paid for with appropriated funds.

(2) The Contractor shall file a disclosure form at the end of each calendar quarter in which there occurs any event that materially affects the accuracy of the information contained in any

disclosure form previously filed by such person under subparagraph (c)(1) of this clause. An event that materially affects the accuracy of the information reported includes--

(i) A cumulative increase of \$25,000 or more in the amount paid or expected to be paid for influencing or attempting to influence a covered Federal action; or

(ii) A change in the person(s) or individual(s) influencing or attempting to influence a covered Federal action; or

(iii) A change in the officer(s), employee(s), or Member(s) contacted to influence or attempt to influence a covered Federal action.

(3) The Contractor shall require the submittal of a certification, and if required, a disclosure form by any person who requests or receives any subcontract exceeding \$100,000 under the Federal contract.

(4) All subcontractor disclosure forms (but not certifications) shall be forwarded from tier to tier until received by the prime Contractor. The prime Contractor shall submit all disclosures to the Contracting Officer at the end of the calendar quarter in which the disclosure form is submitted by the subcontractor. Each subcontractor certification shall be retained in the subcontract file of the awarding Contractor.

(d) Agreement. The Contractor agrees not to make any payment prohibited by this clause.

(e) Penalties.

(1) Any person who makes an expenditure prohibited under paragraph (a) of this clause or who fails to file or amend the disclosure form to be filed or amended by paragraph (b) of this clause shall be subject to civil penalties as provided for by 31 U.S.C. 1352. An imposition of a civil penalty does not prevent the Government from seeking any other remedy that may be applicable.

(2) Contractors may rely without liability on the representation made by their subcontractors in the certification and disclosure form.

(f) Cost allowability. Nothing in this clause makes allowable or reasonable any costs which would otherwise be unallowable or unreasonable. Conversely, costs made specifically unallowable by the requirements in this clause will not be made allowable under any other provision.

(End of clause)

52.204-4 PRINTED OR COPIED DOUBLE-SIDED ON RECYCLED PAPER (AUG 2000)

(a) Definitions. As used in this clause--

“Postconsumer material” means a material or finished product that has served its intended use and has been discarded for disposal or recovery, having completed its life as a consumer item. Postconsumer material is a part of the broader category of “recovered material.” For paper and paper products, postconsumer material means “postconsumer fiber” defined by the U.S. Environmental Protection Agency (EPA) as--

(1) Paper, paperboard, and fibrous materials from retail stores, office buildings, homes, and so forth, after they have passed through their end-usage as a consumer item, including: used corrugated boxes; old newspapers; old magazines; mixed waste paper; tabulating cards; and used cordage; or

(2) All paper, paperboard, and fibrous materials that enter and are collected from municipal solid waste; but not

(3) Fiber derived from printers' over-runs, converters' scrap, and over-issue publications.

“Printed or copied double-sided” means printing or reproducing a document so that information is on both sides of a sheet of paper.

“Recovered material,” for paper and paper products, is defined by EPA in its Comprehensive Procurement Guideline as “recovered fiber” and means the following materials:

(1) Postconsumer fiber; and

(2) Manufacturing wastes such as--

(i) Dry paper and paperboard waste generated after completion of the papermaking process (that is, those manufacturing operations up to and including the cutting and trimming of the paper machine reel into smaller rolls or rough sheets) including: envelope cuttings, bindery trimmings, and other paper and paperboard waste resulting from printing, cutting, forming, and other converting operations; bag, box, and carton manufacturing wastes; and butt rolls, mill wrappers, and rejected unused stock; and

(ii) Repulped finished paper and paperboard from obsolete inventories of paper and paperboard manufacturers, merchants, wholesalers, dealers, printers, converters, or others.

(b) In accordance with Section 101 of Executive Order 13101 of September 14, 1998, Greening the Government through Waste Prevention, Recycling, and Federal Acquisition, the Contractor is encouraged to submit paper documents, such as offers, letters, or reports, that are printed or copied double-sided on recycled paper that meet minimum content standards specified in Section 505 of Executive Order 13101, when not using electronic commerce methods to submit information or data to the Government.

(c) If the Contractor cannot purchase high-speed copier paper, offset paper, forms bond, computer printout paper, carbonless paper, file folders, white wove envelopes, writing and office

paper, book paper, cotton fiber paper, and cover stock meeting the 30 percent postconsumer material standard for use in submitting paper documents to the Government, it should use paper containing no less than 20 percent postconsumer material. This lesser standard should be used only when paper meeting the 30 percent postconsumer material standard is not obtainable at a reasonable price or does not meet reasonable performance standards.

(End of clause)

52.209-6 PROTECTING THE GOVERNMENT'S INTEREST WHEN
SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED
FOR DEBARMENT (JUL 1995)

(a) The Government suspends or debar Contractors to protect the Government's interests. The Contractor shall not enter into any subcontract in excess of the \$25,000 with a Contractor that is debarred, suspended, or proposed for debarment unless there is a compelling reason to do so.

(b) The Contractor shall require each proposed first-tier subcontractor, whose subcontract will exceed \$25,000, to disclose to the Contractor, in writing, whether as of the time of award of the subcontract, the subcontractor, or its principles, is or is not debarred, suspended, or proposed for debarment by the Federal Government.

(c) A corporate officer or a designee of the Contractor shall notify the Contracting Officer, in writing, before entering into a subcontract with a party that is debarred, suspended, or proposed for debarment (see FAR 9.404 for information on the List of Parties Excluded from Federal Procurement and Nonprocurement Programs). The notice must include the following:

(1) The name of the subcontractor.

(2) The Contractor's knowledge of the reasons for the subcontractor being on the List of Parties Excluded from Federal Procurement and Nonprocurement Programs.

(3) The compelling reason(s) for doing business with the subcontractor notwithstanding its inclusion on the List of Parties Excluded from Federal Procurement and Nonprocurement Programs.

(4) The systems and procedures the Contractor has established to ensure that it is fully protecting the Government's interests when dealing with such subcontractor in view of the specific basis for the party's debarment, suspension, or proposed debarment.

(End of clause)

52.211-5 MATERIAL REQUIREMENTS (AUG 2000)

(a) Definitions.

As used in this clause--

New means composed of previously unused components, whether manufactured from virgin material, recovered material in the form of raw material, or materials and by-products generated from, and reused within, an original manufacturing process; provided that the supplies meet contract requirements, including but not limited to, performance, reliability, and life expectancy.

Reconditioned means restored to the original normal operating condition by readjustments and material replacement.

Recovered material means waste materials and by-products recovered or diverted from solid waste, but the term does not include those materials and by-products generated from, and commonly reused within, an original manufacturing process.

Remanufactured means factory rebuilt to original specifications.

Virgin material means--

(1) Previously unused raw material, including previously unused copper, aluminum, lead, zinc, iron, other metal or metal ore; or

(2) Any undeveloped resource that is, or with new technology will become, a source of raw materials.

(b) Unless this contract otherwise requires virgin material or supplies composed of or manufactured from virgin material, the Contractor shall provide supplies that are new, reconditioned, or remanufactured, as defined in this clause.

(c) A proposal to provide unused former Government surplus property shall include a complete description of the material, the quantity, the name of the Government agency from which acquired, and the date of acquisition.

(d) A proposal to provide used, reconditioned, or remanufactured supplies shall include a detailed description of such supplies and shall be submitted to the Contracting Officer for approval.

(e) Used, reconditioned, or remanufactured supplies, or unused former Government surplus property, may be used in contract performance if the Contractor has proposed the use of such supplies, and the Contracting Officer has authorized their use.

(End of clause)

52.215-2 AUDIT AND RECORDS--NEGOTIATION (JUN 1999)

(a) As used in this clause, "records" includes books, documents, accounting procedures and practices, and other data, regardless of type and regardless of whether such items are in written form, in the form of computer data, or in any other form.

(b) Examination of costs. If this is a cost-reimbursement, incentive, time-and-materials, labor-hour, or price redeterminable contract, or any combination of these, the Contractor shall maintain and the Contracting Officer, or an authorized representative of the Contracting Officer, shall have the right to examine and audit all records and other evidence sufficient to reflect properly all costs claimed to have been incurred or anticipated to be incurred directly or indirectly in performance of this contract. This right of examination shall include inspection at all reasonable times of the Contractor's plants, or parts of them, engaged in performing the contract.

(c) Cost or pricing data. If the Contractor has been required to submit cost or pricing data in connection with any pricing action relating to this contract, the Contracting Officer, or an authorized representative of the Contracting Officer, in order to evaluate the accuracy, completeness, and currency of the cost or pricing data, shall have the right to examine and audit all of the Contractor's records, including computations and projections, related to--

(1) The proposal for the contract, subcontract, or modification;

(2) The discussions conducted on the proposal(s), including those related to negotiating;

(3) Pricing of the contract, subcontract, or modification; or

(4) Performance of the contract, subcontract or modification.

(d) Comptroller General--(1) The Comptroller General of the United States, or an authorized representative, shall have access to and the right to examine any of the Contractor's directly pertinent records involving transactions related to this contract or a subcontract hereunder.

(2) This paragraph may not be construed to require the Contractor or subcontractor to create or maintain any record that the Contractor or subcontractor does not maintain in the ordinary course of business or pursuant to a provision of law.

(e) Reports. If the Contractor is required to furnish cost, funding, or performance reports, the Contracting Officer or an authorized representative of the Contracting Officer shall have the right to examine and audit the supporting records and materials, for the purpose of evaluating (1) the effectiveness of the Contractor's policies and procedures to produce data compatible with the objectives of these reports and (2) the data reported.

(f) Availability. The Contractor shall make available at its office at all reasonable times the records, materials, and other evidence described in paragraphs (a), (b), (c), (d), and (e) of this clause, for examination, audit, or reproduction, until 3 years after final payment under this

contract or for any shorter period specified in Subpart 4.7, Contractor Records Retention, of the Federal Acquisition Regulation (FAR), or for any longer period required by statute or by other clauses of this contract. In addition--

(1) If this contract is completely or partially terminated, the Contractor shall make available the records relating to the work terminated until 3 years after any resulting final termination settlement; and

(2) The Contractor shall make available records relating to appeals under the Disputes clause or to litigation or the settlement of claims arising under or relating to this contract until such appeals, litigation, or claims are finally resolved.

(g) The Contractor shall insert a clause containing all the terms of this clause, including this paragraph (g), in all subcontracts under this contract that exceed the simplified acquisition threshold, and--

(1) That are cost-reimbursement, incentive, time-and-materials, labor-hour, or price-redeterminable type or any combination of these;

(2) For which cost or pricing data are required; or

(3) That require the subcontractor to furnish reports as discussed in paragraph (e) of this clause.

The clause may be altered only as necessary to identify properly the contracting parties and the Contracting Officer under the Government prime contract.

(End of clause)

52.215-8 ORDER OF PRECEDENCE--UNIFORM CONTRACT FORMAT (OCT 1997)

Any inconsistency in this solicitation or contract shall be resolved by giving precedence in the following order:

(a) The Schedule (excluding the specifications).

(b) Representations and other instructions.

(c) Contract clauses.

(d) Other documents, exhibits, and attachments.

(e) The specifications.

(End of clause)

52.215-11 PRICE REDUCTION FOR DEFECTIVE COST OR PRICING DATA--
MODIFICATIONS (OCT 1997)

(a) This clause shall become operative only for any modification to this contract involving a pricing adjustment expected to exceed the threshold for submission of cost or pricing data at FAR 15.403-4, except that this clause does not apply to any modification if an exception under FAR 15.403-1 applies.

(b) If any price, including profit or fee, negotiated in connection with any modification under this clause, or any cost reimbursable under this contract, was increased by any significant amount because (1) the Contractor or a subcontractor furnished cost or pricing data that were not complete, accurate, and current as certified in its Certificate of Current Cost or Pricing Data, (2) a subcontractor or prospective subcontractor furnished the Contractor cost or pricing data that were not complete, accurate, and current as certified in the Contractor's Certificate of Current Cost or Pricing Data, or (3) any of these parties furnished data of any description that were not accurate, the price or cost shall be reduced accordingly and the contract shall be modified to reflect the reduction. This right to a price reduction is limited to that resulting from defects in data relating to modifications for which this clause becomes operative under paragraph (a) of this clause.

(c) Any reduction in the contract price under paragraph (b) of this clause due to defective data from a prospective subcontractor that was not subsequently awarded the subcontract shall be limited to the amount, plus applicable overhead and profit markup, by which--

(1) The actual subcontract; or

(2) The actual cost to the Contractor, if there was no subcontract, was less than the prospective subcontract cost estimate submitted by the Contractor; provided, that the actual subcontract price was not itself affected by defective cost or pricing data.

(d)(1) If the Contracting Officer determines under paragraph (b) of this clause that a price or cost reduction should be made, the Contractor agrees not to raise the following matters as a defense:

(i) The Contractor or subcontractor was a sole source supplier or otherwise was in a superior bargaining position and thus the price of the contract would not have been modified even if accurate, complete, and current cost or pricing data had been submitted.

(ii) The Contracting Officer should have known that the cost or pricing data in issue were defective even though the Contractor or subcontractor took no affirmative action to bring the character of the data to the attention of the Contracting Officer.

(iii) The contract was based on an agreement about the total cost of the contract and there was no agreement about the cost of each item procured under the contract.

(iv) The Contractor or subcontractor did not submit a Certificate of Current Cost or Pricing Data.

(2)(i) Except as prohibited by subdivision (d)(2)(ii) of this clause, an offset in an amount determined appropriate by the Contracting Officer based upon the facts shall be allowed against the amount of a contract price reduction if--

(A) The Contractor certifies to the Contracting Officer that, to the best of the Contractor's knowledge and belief, the Contractor is entitled to the offset in the amount requested; and

(B) The Contractor proves that the cost or pricing data were available before the "as of" date specified on its Certificate of Current Cost or Pricing Data, and that the data were not submitted before such date.

(ii) An offset shall not be allowed if--

(A) The understated data were known by the Contractor to be understated before the "as of" date specified on its Certificate of Current Cost or Pricing Data; or

(B) The Government proves that the facts demonstrate that the contract price would not have increased in the amount to be offset even if the available data had been submitted before the "as of" date specified on its Certificate of Current Cost or Pricing Data.

(e) If any reduction in the contract price under this clause reduces the price of items for which payment was made prior to the date of the modification reflecting the price reduction, the Contractor shall be liable to and shall pay the United States at the time such overpayment is repaid--

(1) Simple interest on the amount of such overpayment to be computed from the date(s) of overpayment to the Contractor to the date the Government is repaid by the Contractor at the applicable underpayment rate effective for each quarter prescribed by the Secretary of the Treasury under 26 U.S.C. 6621(a)(2); and

A penalty equal to the amount of the overpayment, if the Contractor or subcontractor knowingly submitted cost or pricing data that were incomplete, inaccurate, or noncurrent.

(End of clause)

52.215-13 SUBCONTRACTOR COST OR PRICING DATA--MODIFICATIONS (OCT 1997)

(a) The requirements of paragraphs (b) and (c) of this clause shall--

(1) Become operative only for any modification to this contract involving a pricing adjustment expected to exceed the threshold for submission of cost or pricing data at FAR 15.403-4; and

(2) Be limited to such modifications.

(b) Before awarding any subcontract expected to exceed the threshold for submission of cost or pricing data at FAR 15.403-4, on the date of agreement on price or the date of award, whichever is later; or before pricing any subcontract modification involving a pricing adjustment expected to exceed the threshold for submission of cost or pricing data at FAR 15.403-4, the Contractor shall require the subcontractor to submit cost or pricing data (actually or by specific identification in writing), unless an exception under FAR 15.403-1 applies.

(c) The Contractor shall require the subcontractor to certify in substantially the form prescribed in FAR 15.406-2 that, to the best of its knowledge and belief, the data submitted under paragraph (b) of this clause were accurate, complete, and current as of the date of agreement on the negotiated price of the subcontract or subcontract modification.

The Contractor shall insert the substance of this clause, including this paragraph (d), in each subcontract that exceeds the threshold for submission of cost or pricing data at FAR 15.403-4 on the date of agreement on price or the date of award, whichever is later.

(End of clause)

52.215-14 INTEGRITY OF UNIT PRICES (OCT 1997)

(a) Any proposal submitted for the negotiation of prices for items of supplies shall distribute costs within contracts on a basis that ensures that unit prices are in proportion to the items' base cost (e.g., manufacturing or acquisition costs). Any method of distributing costs to line items that distorts unit prices shall not be used. For example, distributing costs equally among line items is not acceptable except when there is little or no variation in base cost. Nothing in this paragraph requires submission of cost or pricing data not otherwise required by law or regulation.

(b) When requested by the Contracting Officer, the Offeror/Contractor shall also identify those supplies that it will not manufacture or to which it will not contribute significant value.

The Contractor shall insert the substance of this clause, less paragraph (b), in all subcontracts for other than: acquisitions at or below the simplified acquisition threshold in FAR Part 2; construction or architect-engineer services under FAR Part 36; utility services under FAR Part 41; services where supplies are not required; commercial items; and petroleum products.

(End of clause)

52.215-21 REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION

OTHER THAN COST OR PRICING DATA--MODIFICATIONS (OCT 1997)

(a) Exceptions from cost or pricing data. (1) In lieu of submitting cost or pricing data for modifications under this contract, for price adjustments expected to exceed the threshold set forth at FAR 15.403-4 on the date of the agreement on price or the date of the award, whichever is later, the Contractor may submit a written request for exception by submitting the information described in the following subparagraphs. The Contracting Officer may require additional supporting information, but only to the extent necessary to determine whether an exception should be granted, and whether the price is fair and reasonable--

(i) Identification of the law or regulation establishing the price offered. If the price is controlled under law by periodic rulings, reviews, or similar actions of a governmental body, attach a copy of the controlling document, unless it was previously submitted to the contracting office.

(ii) Information on modifications of contracts or subcontracts for commercial items. (A) If--

(1) The original contract or subcontract was granted an exception from cost or pricing data requirements because the price agreed upon was based on adequate price competition or prices set by law or regulation, or was a contract or subcontract for the acquisition of a commercial item; and

(2) The modification (to the contract or subcontract) is not exempted based on one of these exceptions, then the Contractor may provide information to establish that the modification would not change the contract or subcontract from a contract or subcontract for the acquisition of a commercial item to a contract or subcontract for the acquisition of an item other than a commercial item.

(B) For a commercial item exception, the Contractor shall provide, at a minimum, information on prices at which the same item or similar items have previously been sold that is adequate for evaluating the reasonableness of the price of the modification. Such information may include--

(1) For catalog items, a copy of or identification of the catalog and its date, or the appropriate pages for the offered items, or a statement that the catalog is on file in the buying office to which the proposal is being submitted. Provide a copy or describe current discount policies and price lists (published or unpublished), e.g., wholesale, original equipment manufacturer, or reseller. Also explain the basis of each offered price and its relationship to the established catalog price, including how the proposed price relates to the price of recent sales in quantities similar to the proposed quantities.

(2) For market-priced items, the source and date or period of the market quotation or other basis for market price, the base amount, and applicable discounts. In addition, describe the nature of the market.

(3) For items included on an active Federal Supply Service Multiple Award Schedule contract, proof that an exception has been granted for the schedule item.

(2) The Contractor grants the Contracting Officer or an authorized representative the right to examine, at any time before award, books, records, documents, or other directly pertinent records to verify any request for an exception under this clause, and the reasonableness of price. For items priced using catalog or market prices, or law or regulation, access does not extend to cost or profit information or other data relevant solely to the Contractor's determination of the prices to be offered in the catalog or marketplace.

(b) Requirements for cost or pricing data. If the Contractor is not granted an exception from the requirement to submit cost or pricing data, the following applies:

(1) The Contractor shall submit cost or pricing data and supporting attachments in accordance with Table 15-2 of FAR 15.408.

As soon as practicable after agreement on price, but before award (except for unpriced actions), the Contractor shall submit a Certificate of Current Cost or Pricing Data, as prescribed by FAR 15.406-2.

(End of clause)

52.217-7 OPTION FOR INCREASED QUANTITY--SEPARATELY PRICED LINE ITEM (MAR 1989)

The Government may require the delivery of the numbered line item, identified in the Schedule as an option item, in the quantity and at the price stated in the Schedule. The Contracting Officer may exercise the option by written notice to the Contractor within 240 days after award. Delivery of added items shall continue at the same rate that like items are called for under the contract, unless the parties otherwise agree.

(End of clause)

52.219-8 UTILIZATION OF SMALL BUSINESS CONCERNS (MAY 2004)

(a) It is the policy of the United States that small business concerns, veteran-owned small business concerns, service-disabled veteran-owned small business concerns, HUBZone small business concerns, small disadvantaged business concerns, and women-owned small business concerns shall have the maximum practicable opportunity to participate in performing contracts let by any Federal agency, including contracts and subcontracts for subsystems, assemblies, components, and related services for major systems. It is further the policy of the United States that its prime contractors establish procedures to ensure the timely payment of amounts due pursuant to the terms of their subcontracts with small business concerns, veteran-owned small business concerns, service-disabled veteran-owned small business concerns, HUBZone small

business concerns, small disadvantaged business concerns, and women-owned small business concerns.

(b) The Contractor hereby agrees to carry out this policy in the awarding of subcontracts to the fullest extent consistent with efficient contract performance. The Contractor further agrees to cooperate in any studies or surveys as may be conducted by the United States Small Business Administration or the awarding agency of the United States as may be necessary to determine the extent of the Contractor's compliance with this clause.

Definitions. As used in this contract--

HUBZone small business concern means a small business concern that appears on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration.

Service-disabled veteran-owned small business concern--

(1) Means a small business concern--

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a service-disabled veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

Small business concern means a small business as defined pursuant to Section 3 of the Small Business Act and relevant regulations promulgated pursuant thereto.

Small disadvantaged business concern means a small business concern that represents, as part of its offer that--

(1) It has received certification as a small disadvantaged business concern consistent with 13 CFR part 124, subpart B;

(2) No material change in disadvantaged ownership and control has occurred since its certification;

(3) Where the concern is owned by one or more individuals, the net worth of each individual upon whom the certification is based does not exceed \$750,000 after taking into account the applicable exclusions set forth at 13 CFR 124.104(c)(2); and

(4) It is identified, on the date of its representation, as a certified small disadvantaged business in the database maintained by the Small Business Administration (PRO-Net).

Veteran-owned small business concern means a small business concern--

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

Women-owned small business concern means a small business concern--

(1) That is at least 51 percent owned by one or more women, or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

(d) Contractors acting in good faith may rely on written representations by their subcontractors regarding their status as a small business concern, a veteran-owned small business concern, a service-disabled veteran-owned small business concern, a HUBZone small business concern, a small disadvantaged business concern, or a women-owned small business concern.

(End of clause)

52.219-9 SMALL BUSINESS SUBCONTRACTING PLAN (JAN 2002)--ALTERNATE II (OCT 2001).

(a) This clause does not apply to small business concerns.

(b) Definitions. As used in this clause--

Commercial item means a product or service that satisfies the definition of commercial item in section 2.101 of the Federal Acquisition Regulation.

Commercial plan means a subcontracting plan (including goals) that covers the offeror's fiscal year and that applies to the entire production of commercial items sold by either the entire company or a portion thereof (e.g., division, plant, or product line).

Individual contract plan means a subcontracting plan that covers the entire contract period (including option periods), applies to a specific contract, and has goals that are based on the

offeror's planned subcontracting in support of the specific contract, except that indirect costs incurred for common or joint purposes may be allocated on a prorated basis to the contract.

Master plan means a subcontracting plan that contains all the required elements of an individual contract plan, except goals, and may be incorporated into individual contract plans, provided the master plan has been approved.

Subcontract means any agreement (other than one involving an employer-employee relationship) entered into by a Federal Government prime Contractor or subcontractor calling for supplies or services required for performance of the contract or subcontract.

(c) Proposals submitted in response to this solicitation shall include a subcontracting plan that separately addresses subcontracting with small business, veteran-owner small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns. If the offeror is submitting an individual contract plan, the plan must separately address subcontracting with small business, veteran-owner small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns, with a separate part for the basic contract and separate parts for each option (if any). The plan shall be included in and made a part of the resultant contract. The subcontracting plan shall be negotiated within the time specified by the Contracting Officer. Failure to submit and negotiate a subcontracting plan shall make the offeror ineligible for award of a contract.

(d) The offeror's subcontracting plan shall include the following:

(1) Goals, expressed in terms of percentages of total planned subcontracting dollars, for the use of small business, veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns as subcontractors. The offeror shall include all subcontracts that contribute to contract performance, and may include a proportionate share of products and services that are normally allocated as indirect costs.

(2) A statement of--

(i) Total dollars planned to be subcontracted for an individual contract plan; or the offeror's total projected sales, expressed in dollars, and the total value of projected subcontracts to support the sales for a commercial plan;

(ii) Total dollars planned to be subcontracted to small business concerns;

(iii) Total dollars planned to be subcontracted to veteran-owned small business concerns;

(iv) Total dollars planned to be subcontracted to HUBZone small business concerns;

(v) Total dollars planned to be subcontracted to small disadvantaged business concerns; and

(vi) Total dollars planned to be subcontracted to women-owned small business concerns.

(3) A description of the principal types of supplies and services to be subcontracted, and an identification of the types planned for subcontracting to--

- (i) Small business concerns;
- (ii) Veteran-owned small business concerns;
- (iii) HUBZone small business concerns;
- (iv) Small disadvantaged business concerns; and
- (v) Women-owned small business concerns.

(4) A description of the method used to develop the subcontracting goals in paragraph (d)(1) of this clause.

(5) A description of the method used to identify potential sources for solicitation purposes (e.g., existing company source lists, the Procurement Marketing and Access Network (PRO-Net) of the Small Business Administration (SBA), veterans service organizations, the National Minority Purchasing Council Vendor Information Service, the Research and Information Division of the Minority Business Development Agency in the Department of Commerce, or small, HUBZone, small disadvantaged, and women-owned small business trade associations). A firm may rely on the information contained in PRO-Net as an accurate representation of a concern's size and ownership characteristics for the purposes of maintaining a small, veteran-owned small, HUBZone small, small disadvantaged, and women-owned small business source list. Use of PRO-Net as its source list does not relieve a firm of its responsibilities (e.g., outreach, assistance, counseling, or publicizing subcontracting opportunities) in this clause.

(6) A statement as to whether or not the offeror included indirect costs in establishing subcontracting goals, and a description of the method used to determine the proportionate share of indirect costs to be incurred with—

- (i) Small business concerns;
- (ii) Veteran-owned small business concerns;
- (iii) HUBZone small business concerns;
- (iv) Small disadvantaged business concerns; and
- (v) Women-owned small business concerns.

(7) The name of the individual employed by the offeror who will administer the offeror's subcontracting program, and a description of the duties of the individual.

(8) A description of the efforts the offeror will make to assure that small business, veteran-owned small business, HUBZone small business, small disadvantaged business and women-owned small business concerns have an equitable opportunity to compete for subcontracts.

(9) Assurances that the offeror will include the clause of this contract entitled "Utilization of Small Business Concerns" in all subcontracts that offer further subcontracting opportunities, and that the offeror will require all subcontractors (except small business concerns) that receive subcontracts in excess of \$500,000 (\$1,000,000 for construction of any public facility) to adopt a subcontracting plan that complies with the requirements of this clause.

(10) Assurances that the offeror will--

(i) Cooperate in any studies or surveys as may be required;

(ii) Submit periodic reports so that the Government can determine the extent of compliance by the offeror with the subcontracting plan;

(iii) Submit Standard Form (SF) 294, Subcontracting Report for Individual Contracts, and/or SF 295, Summary Subcontract Report, in accordance with paragraph (j) of this clause. The reports shall provide information on subcontract awards to small business concerns, veteran-owned small business concerns, service-disabled veteran-owned small business concerns, small disadvantaged business concerns, women-owned small business concerns, and Historically Black Colleges and Universities and Minority Institutions. Reporting shall be in accordance with the instructions on the forms or as provided in agency regulations.

(iv) Ensure that its subcontractors agree to submit SF 294 and SF 295.

(11) A description of the types of records that will be maintained concerning procedures that have been adopted to comply with the requirements and goals in the plan, including establishing source lists; and a description of the offeror's efforts to locate small business, veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns and award subcontracts to them. The records shall include at least the following (on a plant-wide or company-wide basis, unless otherwise indicated)

(i) Source lists (e.g., PRO-Net), guides, and other data that identify small business, veteran-owner small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns.

(ii) Organizations contacted in an attempt to locate sources that are small business, veteran-owned small business, HUBZone small business, small disadvantaged business, or women-owned small business concerns.

(iii) Records on each subcontract solicitation resulting in an award of more than \$100,000, indicating--

(A) Whether small business concerns were solicited and, if not, why not;

- (B) Whether veteran-owned small business concerns were solicited and, if not, why not;
- (C) Whether HUBZone small business concerns were solicited and, if not, why not;
- (D) Whether small disadvantaged business concerns were solicited and, if not, why not;
- (E) Whether women-owned small business concerns were solicited and, if not, why not; and
- (F) If applicable, the reason award was not made to a small business concern.

(iv) Records of any outreach efforts to contact--

- (A) Trade associations;
- (B) Business development organizations;
- (C) Conferences and trade fairs to locate small, HUBZone small, small disadvantaged, and women-owned small business sources; and
- (D) Veterans service organizations.

(v) Records of internal guidance and encouragement provided to buyers through--

- (A) Workshops, seminars, training, etc.; and
- (B) Monitoring performance to evaluate compliance with the program's requirements.

(vi) On a contract-by-contract basis, records to support award data submitted by the offeror to the Government, including the name, address, and business size of each subcontractor. Contractors having commercial plans need not comply with this requirement.

(e) In order to effectively implement this plan to the extent consistent with efficient contract performance, the Contractor shall perform the following functions:

(1) Assist small business, veteran-owner small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns by arranging solicitations, time for the preparation of bids, quantities, specifications, and delivery schedules so as to facilitate the participation by such concerns. Where the Contractor's lists of potential small business, veteran-owner small business, HUBZone small business, small disadvantaged business, and women-owned small business subcontractors are excessively long, reasonable effort shall be made to give all such small business concerns an opportunity to compete over a period of time.

(2) Provide adequate and timely consideration of the potentialities of small business, veteran-owner small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns in all "make-or-buy" decisions.

(3) Counsel and discuss subcontracting opportunities with representatives of small business, veteran-owner small business, HUBZone small business, small disadvantaged business, and women-owned small business firms.

(4) Provide notice to subcontractors concerning penalties and remedies for misrepresentations of business status as small, veteran-owner small business, HUBZone small, small disadvantaged, or women-owned small business for the purpose of obtaining a subcontract that is to be included as part or all of a goal contained in the Contractor's subcontracting plan.

(f) A master plan on a plant or division-wide basis that contains all the elements required by paragraph (d) of this clause, except goals, may be incorporated by reference as a part of the subcontracting plan required of the offeror by this clause; provided--

(1) the master plan has been approved, (2) the offeror ensures that the master plan is updated as necessary and provides copies of the approved master plan, including evidence of its approval, to the Contracting Officer, and (3) goals and any deviations from the master plan deemed necessary by the Contracting Officer to satisfy the requirements of this contract are set forth in the individual subcontracting plan.

(g) A commercial plan is the preferred type of subcontracting plan for contractors furnishing commercial items. The commercial plan shall relate to the offeror's planned subcontracting generally, for both commercial and Government business, rather than solely to the Government contract. Commercial plans are also preferred for subcontractors that provide commercial items under a prime contract, whether or not the prime contractor is supplying a commercial item.

(h) Prior compliance of the offeror with other such subcontracting plans under previous contracts will be considered by the Contracting Officer in determining the responsibility of the offeror for award of the contract.

(i) The failure of the Contractor or subcontractor to comply in good faith with (1) the clause of this contract entitled "Utilization Of Small Business Concerns," or (2) an approved plan required by this clause, shall be a material breach of the contract.

(j) The Contractor shall submit the following reports:

(1) Standard Form 294, Subcontracting Report for Individual Contracts. This report shall be submitted to the Contracting Officer semiannually and at contract completion. The report covers subcontract award data related to this contract. This report is not required for commercial plans.

(2) Standard Form 295, Summary Subcontract Report. This report encompasses all of the contracts with the awarding agency. It must be submitted semi-annually for contracts with the Department of Defense and annually for contracts with civilian agencies. If the reporting activity is covered by a commercial plan, the reporting activity must report annually all subcontract awards under that plan. All reports submitted at the close of each fiscal year (both individual and commercial plans) shall include a breakout, in the Contractor's format, of subcontract awards, in whole dollars, to small disadvantaged business concerns by North American Industry

Classification System (NAICS) Industry Subsector. For a commercial plan, the Contractor may obtain from each of its subcontractors a predominant NAICS Industry Subsector and report all awards to that subcontractor under its predominant NAICS Industry Subsector.

(End of clause)

52.219-16 LIQUIDATED DAMAGES-SUBCONTRACTING PLAN (JAN 1999)

(a) Failure to make a good faith effort to comply with the subcontracting plan, as used in this clause, means a willful or intentional failure to perform in accordance with the requirements of the subcontracting plan approved under the clause in this contract entitled "Small Business Subcontracting Plan," or willful or intentional action to frustrate the plan.

(b) Performance shall be measured by applying the percentage goals to the total actual subcontracting dollars or, if a commercial plan is involved, to the pro rata share of actual subcontracting dollars attributable to Government contracts covered by the commercial plan. If, at contract completion or, in the case of a commercial plan, at the close of the fiscal year for which the plan is applicable, the Contractor has failed to meet its subcontracting goals and the Contracting Officer decides in accordance with paragraph (c) of this clause that the Contractor failed to make a good faith effort to comply with its subcontracting plan, established in accordance with the clause in this contract entitled "Small Business Subcontracting Plan," the Contractor shall pay the Government liquidated damages in an amount stated. The amount of probable damages attributable to the Contractor's failure to comply shall be an amount equal to the actual dollar amount by which the Contractor failed to achieve each subcontract goal.

(c) Before the Contracting Officer makes a final decision that the Contractor has failed to make such good faith effort, the Contracting Officer shall give the Contractor written notice specifying the failure and permitting the Contractor to demonstrate what good faith efforts have been made and to discuss the matter. Failure to respond to the notice may be taken as an admission that no valid explanation exists. If, after consideration of all the pertinent data, the Contracting Officer finds that the Contractor failed to make a good faith effort to comply with the subcontracting plan, the Contracting Officer shall issue a final decision to that effect and require that the Contractor pay the Government liquidated damages as provided in paragraph (b) of this clause.

(d) With respect to commercial plans, the Contracting Officer who approved the plan will perform the functions of the Contracting Officer under this clause on behalf of all agencies with contracts covered by the commercial plan.

(e) The Contractor shall have the right of appeal, under the clause in this contract entitled Disputes, from any final decision of the Contracting Officer.

(f) Liquidated damages shall be in addition to any other remedies that the Government may have.

(End of clause)

52.222-3 CONVICT LABOR (JUN 2003)

(a) Except as provided in paragraph (b) of this clause, the Contractor shall not employ in the performance of this contract any person undergoing a sentence of imprisonment imposed by any court of a State, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, or the U.S. Virgin Islands.

(b) The Contractor is not prohibited from employing persons--

(1) On parole or probation to work at paid employment during the term of their sentence;

(2) Who have been pardoned or who have served their terms; or

(3) Confined for violation of the laws of any of the States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, or the U.S. Virgin Islands who are authorized to work at paid employment in the community under the laws of such jurisdiction, if--

(i) The worker is paid or is in an approved work training program on a voluntary basis;

(ii) Representatives of local union central bodies or similar labor union organizations have been consulted;

(iii) Such paid employment will not result in the displacement of employed workers, or be applied in skills, crafts, or trades in which there is a surplus of available gainful labor in the locality, or impair existing contracts for services;

(iv) The rates of pay and other conditions of employment will not be less than those paid or provided for work of a similar nature in the locality in which the work is being performed; and

(v) The Attorney General of the United States has certified that the work-release laws or **regulations** of the jurisdiction involved are in conformity with the requirements of Executive Order 11755, as amended by Executive Orders 12608 and 12943.

(End of clause)

52.222-19 CHILD LABOR--COOPERATION WITH AUTHORITIES AND REMEDIES
(JUN 2004)

(a) Applicability. This clause does not apply to the extent that the Contractor is supplying end products mined, produced, or manufactured in--

- (1) Canada, and the anticipated value of the acquisition is \$25,000 or more;
- (2) Israel, and the anticipated value of the acquisition is \$50,000 or more;
- (3) Mexico, and the anticipated value of the acquisition is \$58,550 or more; or
- (4) Aruba, Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hong Kong, Hungary, Iceland, Ireland, Italy, Japan, Korea, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Singapore, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, or the United Kingdom and the anticipated value of the acquisition is \$175,000 or more.

(b) Cooperation with Authorities. To enforce the laws prohibiting the manufacture or importation of products mined, produced, or manufactured by forced or indentured child labor, authorized officials may need to conduct investigations to determine whether forced or indentured child labor was used to mine, produce, or manufacture any product furnished under this contract. If the solicitation includes the provision 52.222-18, Certification Regarding Knowledge of Child Labor for Listed End Products, or the equivalent at 2.212-3(i), the Contractor agrees to cooperate fully with authorized officials of the contracting agency, the Department of the Treasury, or the Department of Justice by providing reasonable access to records, documents, persons, or premises upon reasonable request by the authorized officials.

(c) Violations. The Government may impose remedies set forth in paragraph (d) for the following violations:

(1) The Contractor has submitted a false certification regarding knowledge of the use of forced or indentured child labor for listed end products.

(2) The Contractor has failed to cooperate, if required, in accordance with paragraph (b) of this clause, with an investigation of the use of forced or indentured child labor by an Inspector General, Attorney General, or the Secretary of the Treasury.

(3) The Contractor uses forced or indentured child labor in its mining, production, or manufacturing processes.

(4) The Contractor has furnished under the contract end products or components that have been mined, produced, or manufactured wholly or in part by forced or indentured child labor. (The Government will not pursue remedies at paragraph (d)(2) or paragraph (d)(3) of this clause unless sufficient evidence indicates that the Contractor knew of the violation.)

(d) Remedies. (1) The Contracting Officer may terminate the contract.

(2) The suspending official may suspend the Contractor in accordance with procedures in FAR Subpart 9.4.

(3) The debaring official may debar the Contractor for a period not to exceed 3 years in accordance with the procedures in FAR Subpart 9.4.

(End of clause)

52.222-20 WALSH-HEALEY PUBLIC CONTRACTS ACT (DEC 1996)

If this contract is for the manufacture or furnishing of materials, supplies, articles or equipment in an amount that exceeds or may exceed \$10,000, and is subject to the Walsh-Healey Public Contracts Act, as amended (41 U.S.C. 35-45), the following terms and conditions apply:

(a) All stipulations required by the Act and regulations issued by the Secretary of Labor (41 CFR Chapter 50) are incorporated by reference. These stipulations are subject to all applicable rulings and interpretations of the Secretary of Labor that are now, or may hereafter, be in effect.

(b) All employees whose work relates to this contract shall be paid not less than the minimum wage prescribed by regulations issued by the Secretary of Labor (41 CFR 50-202.2). Learners, student learners, apprentices, and handicapped workers may be employed at less than the prescribed minimum wage (see 41 CFR 50-202.3) to the same extent that such employment is permitted under Section 14 of the Fair Labor Standards Act (41 U.S.C. 40).

(End of clause)

52.222-21 PROHIBITION OF SEGREGATED FACILITIES (FEB 1999)

(a) Segregated facilities, as used in this clause, means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees, that are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, sex, or national origin because of written or oral policies or employee custom. The term does not include separate or single-user rest rooms or necessary dressing or sleeping areas provided to assure privacy between the sexes.

(b) The Contractor agrees that it does not and will not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not and will not permit its employees to perform their services at any location under its control where segregated facilities are maintained. The Contractor agrees that a breach of this clause is a violation of the Equal Opportunity clause in this contract.

(c) The Contractor shall include this clause in every subcontract and purchase order that is subject to the Equal Opportunity clause of this contract.

(End of clause)

52.222-26 EQUAL OPPORTUNITY (APR 2002)

(a) Definition. United States, as used in this clause, means the 50 States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, and Wake Island.

(b) If, during any 12-month period (including the 12 months preceding the award of this contract), the Contractor has been or is awarded nonexempt Federal contracts and/or subcontracts that have an aggregate value in excess of \$10,000, the Contractor shall comply with paragraphs (b)(1) through (b)(11) of this clause, except for work performed outside the United States by employees who were not recruited within the United States. Upon request, the Contractor shall provide information necessary to determine the applicability of this clause.

(1) The Contractor shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. However, it shall not be a violation of this clause for the Contractor to extend a publicly announced preference in employment to Indians living on or near an Indian reservation, in connection with employment opportunities on or near an Indian reservation, as permitted by 41 CFR 60-1.5.

(2) The Contractor shall take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, or national origin. This shall include, but not be limited to, (i) employment, (ii) upgrading, (iii) demotion, (iv) transfer, (v) recruitment or recruitment advertising, (vi) layoff or termination, (vii) rates of pay or other forms of compensation, and (viii) selection for training, including apprenticeship.

(3) The Contractor shall post in conspicuous places available to employees and applicants for employment the notices to be provided by the Contracting Officer that explain this clause.

(4) The Contractor shall, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.

(5) The Contractor shall send, to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, the notice to be provided by the Contracting Officer advising the labor union or workers' representative of the Contractor's commitments under this clause, and post copies of the notice in conspicuous places available to employees and applicants for employment.

(6) The Contractor shall comply with Executive Order 11246, as amended, and the rules, regulations, and orders of the Secretary of Labor.

(7) The Contractor shall furnish to the contracting agency all information required by Executive Order 11246, as amended, and by the rules, regulations, and orders of the Secretary of Labor. The Contractor shall also file Standard Form 100 (EEO-1), or any successor form, as prescribed in 41 CFR part 60-1. Unless the Contractor has filed within the 12 months preceding the date of contract award, the Contractor shall, within 30 days after contract award, apply to either the regional Office of Federal Contract Compliance Programs (OFCCP) or the local office of the Equal Employment Opportunity Commission for the necessary forms.

(8) The Contractor shall permit access to its premises, during normal business hours, by the contracting agency or the OFCCP for the purpose of conducting on-site compliance evaluations and complaint investigations. The Contractor shall permit the Government to inspect and copy any books, accounts, records (including computerized records), and other material that may be relevant to the matter under investigation and pertinent to compliance with Executive Order 11246, as amended, and rules and regulations that implement the Executive Order.

(9) If the OFCCP determines that the Contractor is not in compliance with this clause or any rule, regulation, or order of the Secretary of Labor, this contract may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further Government contracts, under the procedures authorized in Executive Order 11246, as amended. In addition, sanctions may be imposed and remedies invoked against the Contractor as provided in Executive Order 11246, as amended; in the rules, regulations, and orders of the Secretary of Labor; or as otherwise provided by law.

(10) The Contractor shall include the terms and conditions of subparagraphs (b)(1) through (11) of this clause in every subcontract or purchase order that is not exempted by the rules, regulations, or orders of the Secretary of Labor issued under Executive Order 11246, as amended, so that these terms and conditions will be binding upon each subcontractor or vendor.

(11) The Contractor shall take such action with respect to any subcontract or purchase order as the contracting officer may direct as a means of enforcing these terms and conditions, including sanctions for noncompliance; provided, that if the Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of any direction, the Contractor may request the United States to enter into the litigation to protect the interests of the United States.

(c) Notwithstanding any other clause in this contract, disputes relative to this clause will be governed by the procedures in 41 CFR 60-1.1.

(End of clause)

52.222-35 EQUAL OPPORTUNITY FOR SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS (DEC 2001)

(a) Definitions. As used in this clause--

All employment openings means all positions except executive and top management, those positions that will be filled from within the Contractor's organization, and positions lasting 3 days or less. This term includes full-time employment, temporary employment of more than 3 days duration, and part-time employment.

Executive and top management means any employee--

(1) Whose primary duty consists of the management of the enterprise in which the individual is employed or of a customarily recognized department or subdivision thereof;

(2) Who customarily and regularly directs the work of two or more other employees;

(3) Who has the authority to hire or fire other employees or whose suggestions and recommendations as to the hiring or firing and as to the advancement and promotion or any other change of status of other employees will be given particular weight;

(4) Who customarily and regularly exercises discretionary powers; and

(5) Who does not devote more than 20 percent or, in the case of an employee of a retail or service establishment, who does not devote more than 40 percent of total hours of work in the work week to activities that are not directly and closely related to the performance of the work described in paragraphs (1) through (4) of this definition. This paragraph (5) does not apply in the case of an employee who is in sole charge of an establishment or a physically separated branch establishment, or who owns at least a 20 percent interest in the enterprise in which the individual is employed.

Other eligible veteran means any other veteran who served on active duty during a war or in a campaign or expedition for which a campaign badge has been authorized.

Positions that will be filled from within the Contractor's organization means employment openings for which the Contractor will give no consideration to persons outside the Contractor's organization (including any affiliates, subsidiaries, and parent companies) and includes any openings the Contractor proposes to fill from regularly established "recall" lists. The exception does not apply to a particular opening once an employer decides to consider applicants outside of its organization.

Qualified special disabled veteran means a special disabled veteran who satisfies the requisite skill, experience, education, and other job-related requirements of the employment position such veteran holds or desires, and who, with or without reasonable accommodation, can perform the essential functions of such position.

Special disabled veteran means--

(1) A veteran who is entitled to compensation (or who but for the receipt of military retired pay would be entitled to compensation) under laws administered by the Department of Veterans Affairs for a disability--

(i) Rated at 30 percent or more; or

(ii) Rated at 10 or 20 percent in the case of a veteran who has been determined under 38 U.S.C. 3106 to have a serious employment handicap (i.e., a significant impairment of the veteran's ability to prepare for, obtain, or retain employment consistent with the veteran's abilities, aptitudes, and interests); or

(2) A person who was discharged or released from active duty because of a service-connected disability.

Veteran of the Vietnam era means a person who--

(1) Served on active duty for a period of more than 180 days and was discharged or released from active duty with other than a dishonorable discharge, if any part of such active duty occurred--

(i) In the Republic of Vietnam between February 28, 1961, and May 7, 1975; or

(ii) Between August 5, 1964, and May 7, 1975, in all other cases; or

(2) Was discharged or released from active duty for a service-connected disability if any part of the active duty was performed--

(i) In the Republic of Vietnam between February 28, 1961, and May 7, 1975; or

(ii) Between August 5, 1964, and May 7, 1975, in all other cases.

(b) General. (1) The Contractor shall not discriminate against the individual because the individual is a special disabled veteran, a veteran of the Vietnam era, or other eligible veteran, regarding any position for which the employee or applicant for employment is qualified. The Contractor shall take affirmative action to employ, advance in employment, and otherwise treat qualified special disabled veterans, veterans of the Vietnam era, and other eligible veterans without discrimination based upon their disability or veterans' status in all employment practices such as--

(i) Recruitment, advertising, and job application procedures;

(ii) Hiring, upgrading, promotion, award of tenure, demotion, transfer, layoff, termination, right of return from layoff and rehiring;

(iii) Rate of pay or any other form of compensation and changes in compensation;

(iv) Job assignments, job classifications, organizational structures, position descriptions, lines of progression, and seniority lists;

(v) Leaves of absence, sick leave, or any other leave;

(vi) Fringe benefits available by virtue of employment, whether or not administered by the Contractor;

(vii) Selection and financial support for training, including apprenticeship, and on-the-job training under 38 U.S.C. 3687, professional meetings, conferences, and other related activities, and selection for leaves of absence to pursue training;

(viii) Activities sponsored by the Contractor including social or recreational programs; and

(ix) Any other term, condition, or privilege of employment.

(2) The Contractor shall comply with the rules, regulations, and relevant orders of the Secretary of Labor issued under the Vietnam Era Veterans' Readjustment Assistance Act of 1972 (the Act), as amended (38 U.S.C. 4211 and 4212).

(c) Listing openings. (1) The Contractor shall immediately list all employment openings that exist at the time of the execution of this contract and those which occur during the performance of this contract, including those not generated by this contract, and including those occurring at an establishment of the Contractor other than the one where the contract is being performed, but excluding those of independently operated corporate affiliates, at an appropriate local public employment service office of the State wherein the opening occurs. Listing employment openings with the U.S. Department of Labor's America's Job Bank shall satisfy the requirement to list jobs with the local employment service office.

(2) The Contractor shall make the listing of employment openings with the local employment service office at least concurrently with using any other recruitment source or effort and shall involve the normal obligations of placing a bona fide job order, including accepting referrals of veterans and nonveterans. This listing of employment openings does not require hiring any particular job applicant or hiring from any particular group of job applicants and is not intended to relieve the Contractor from any requirements of Executive orders or regulations concerning nondiscrimination in employment.

(3) Whenever the Contractor becomes contractually bound to the listing terms of this clause, it shall advise the State public employment agency in each State where it has establishments of the name and location of each hiring location in the State. As long as the Contractor is contractually bound to these terms and has so advised the State agency, it need not advise the State agency of subsequent contracts. The Contractor may advise the State agency when it is no longer bound by this contract clause.

(d) Applicability. This clause does not apply to the listing of employment openings that occur and are filled outside the 50 States, the District of Columbia, the Commonwealth of Puerto Rico, the Commonwealth of the Northern Mariana Islands, American Samoa, Guam, the Virgin Islands of the United States, and Wake Island.

(e) Postings. (1) The Contractor shall post employment notices in conspicuous places that are available to employees and applicants for employment.

(2) The employment notices shall--

(i) State the rights of applicants and employees as well as the Contractor's obligation under the law to take affirmative action to employ and advance in employment qualified employees and applicants who are special disabled veterans, veterans of the Vietnam era, and other eligible veterans; and

(ii) Be in a form prescribed by the Deputy Assistant Secretary for Federal Contract Compliance Programs, Department of Labor (Deputy Assistant Secretary of Labor), and provided by or through the Contracting Officer.

(3) The Contractor shall ensure that applicants or employees who are special disabled veterans are informed of the contents of the notice (e.g., the Contractor may have the notice read to a visually disabled veteran, or may lower the posted notice so that it can be read by a person in a wheelchair).

(4) The Contractor shall notify each labor union or representative of workers with which it has a collective bargaining agreement, or other contract understanding, that the Contractor is bound by the terms of the Act and is committed to take affirmative action to employ, and advance in employment, qualified special disabled veterans, veterans of the Vietnam era, and other eligible veterans.

(f) Noncompliance. If the Contractor does not comply with the requirements of this clause, the Government may take appropriate actions under the rules, regulations, and relevant orders of the Secretary of Labor issued pursuant to the Act.

(g) Subcontracts. The Contractor shall insert the terms of this clause in all subcontracts or purchase orders of \$25,000 or more unless exempted by rules, regulations, or orders of the Secretary of Labor. The Contractor shall act as specified by the Deputy Assistant Secretary of Labor to enforce the terms, including action for noncompliance.

(End of clause)

52.222-36 AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES (JUN 1998)

(a) General. (1) Regarding any position for which the employee or applicant for employment is qualified, the Contractor shall not discriminate against any employee or applicant because of physical or mental disability. The Contractor agrees to take affirmative action to employ, advance in employment, and otherwise treat qualified individuals with disabilities without discrimination based upon their physical or mental disability in all employment practices such as--

(i) Recruitment, advertising, and job application procedures;

(ii) Hiring, upgrading, promotion, award of tenure, demotion, transfer, layoff, termination, right of return from layoff, and rehiring;

(iii) Rates of pay or any other form of compensation and changes in compensation;

(iv) Job assignments, job classifications, organizational structures, position descriptions, lines of progression, and seniority lists;

(v) Leaves of absence, sick leave, or any other leave;

(vi) Fringe benefits available by virtue of employment, whether or not administered by the Contractor;

(vii) Selection and financial support for training, including apprenticeships, professional meetings, conferences, and other related activities, and selection for leaves of absence to pursue training;

(viii) Activities sponsored by the Contractor, including social or recreational programs; and

(ix) Any other term, condition, or privilege of employment.

(2) The Contractor agrees to comply with the rules, regulations, and relevant orders of the Secretary of Labor (Secretary) issued under the Rehabilitation Act of 1973 (29 U.S.C. 793) (the Act), as amended.

(b) Postings. (1) The Contractor agrees to post employment notices stating--

(i) The Contractor's obligation under the law to take affirmative action to employ and advance in employment qualified individuals with disabilities; and

(ii) The rights of applicants and employees.

(2) These notices shall be posted in conspicuous places that are available to employees and applicants for employment. The Contractor shall ensure that applicants and employees with disabilities are informed of the contents of the notice (e.g., the Contractor may have the notice read to a visually disabled individual, or may lower the posted notice so that it might be read by a person in a wheelchair). The notices shall be in a form prescribed by the Deputy Assistant

Secretary for Federal Contract Compliance of the U.S. Department of Labor (Deputy Assistant Secretary) and shall be provided by or through the Contracting Officer.

(3) The Contractor shall notify each labor union or representative of workers with which it has a collective bargaining agreement or other contract understanding, that the Contractor is bound by the terms of Section 503 of the Act and is committed to take affirmative action to employ, and advance in employment, qualified individuals with physical or mental disabilities.

(c) Noncompliance. If the Contractor does not comply with the requirements of this clause, appropriate actions may be taken under the rules, regulations, and relevant orders of the Secretary issued pursuant to the Act.

(d) Subcontracts. The Contractor shall include the terms of this clause in every subcontract or purchase order in excess of \$10,000 unless exempted by rules, regulations, or orders of the Secretary. The Contractor shall act as specified by the Deputy Assistant Secretary to enforce the terms, including action for noncompliance.

(End of clause)

52.222-37 EMPLOYMENT REPORTS ON SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS (DEC 2001)

(a) Unless the Contractor is a State or local government agency, the Contractor shall report at least annually, as required by the Secretary of Labor, on--

(1) The number of disabled veterans and the number of veterans of the Vietnam era in the workforce of the contractor by job category and hiring location; and

(2) The total number of new employees hired during the period covered by the report, and of that total, the number of disabled veterans, and the number of veterans of the Vietnam era.

(b) The above items shall be reported by completing the form entitled "Federal Contractor Veterans' Employment Report VETS-100."

(c) Reports shall be submitted no later than September 30 of each year beginning September 30, 1988.

(d) The employment activity report required by paragraph (a)(2) of this clause shall reflect total hires during the most recent 12-month period as of the ending date selected for the employment profile report required by paragraph (a)(1) of this clause. Contractors may select an ending date:

(1) As of the end of any pay period during the period January through March 1st of the year the report is due, or (2) as of December 31, if the contractor has previous written approval from the

Equal Employment Opportunity Commission to do so for purposes of submitting the Employer Information Report EEO-1 (Standard Form 100).

(e) The count of veterans reported according to paragraph (a) of this clause shall be based on voluntary disclosure. Each Contractor subject to the reporting requirements at 38 U.S.C. 4212 shall invite all disabled veterans and veterans of the Vietnam era who wish to benefit under the affirmative action program at 38 U.S.C. 4212 to identify themselves to the Contractor. The invitation shall state that the information is voluntarily provided; that the information will be kept confidential; that disclosure or refusal to provide the information will not subject the applicant or employee to any adverse treatment; and that the information will be used only in accordance with the regulations promulgated under 38 U.S.C. 4212.

(f) Subcontracts. The Contractor shall include the terms of this clause in every subcontract or purchase order of \$10,000 or more unless exempted by rules, regulations, or orders of the Secretary.

(End of clause)

52.222-38 COMPLIANCE WITH VETERANS' EMPLOYMENT REPORTING REQUIREMENTS (DEC 2001)

By submission of its offer, the offeror represents that, if it is subject to the reporting requirements of 38 U.S.C. 4212(d) (i.e., if it has any contract containing Federal Acquisition Regulation clause 52.222-37, Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans), it has submitted the most recent VETS-100 Report required by that clause.

(End of provision)

52.223-11 OZONE-DEPLETING SUBSTANCES (MAY 2001)

(a) Definition. Ozone-depleting substance, as used in this clause, means any substance the Environmental Protection Agency designates in 40 CFR part 82 as--

(1) Class I, including, but not limited to, chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or

(2) Class II, including, but not limited to, hydrochlorofluorocarbons.

(b) The Contractor shall label products which contain or are manufactured with ozone-depleting substances in the manner and to the extent required by 42 U.S.C. 7671j (b), (c), and (d) and 40 CFR Part 82, Subpart E, as follows:

“WARNING: Contains (or manufactured with, if applicable), a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere.”-----

The Contractor shall insert the name of the substance(s).

(End of clause4)

52.223-14 TOXIC CHEMICAL RELEASE REPORTING (AUG 2003)

(a) Unless otherwise exempt, the Contractor, as owner or operator of a facility used in the performance of this contract, shall file by July 1 for the prior calendar year an annual Toxic Chemical Release Inventory Form (Form R) as described in sections 313(a) and (g) of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) (42 U.S.C. 11023(a) and (g)), and section 6607 of the Pollution Prevention Act of 1990 (PPA) (42 U.S.C. 13106). The Contractor shall file, for each facility subject to the Form R filing and reporting requirements, the annual Form R throughout the life of the contract.

(b) A Contractor-owned or -operated facility used in the performance of this contract is exempt from the requirement to file an annual Form R if--

(1) The facility does not manufacture, process, or otherwise use any toxic chemicals listed in 40 CFR 372.65;

(2) The facility does not have 10 or more full-time employees as specified in section 313(b)(1)(A) of EPCRA, 42 U.S.C. 11023(b)(1)(A);

(3) The facility does not meet the reporting thresholds of toxic chemicals established under of EPCRA, 42 U.S.C. 11023(f) (including the alternate thresholds at 40 CFR 372.27, provided an appropriate certification form has been filed with EPA);

(4) The facility does not fall within the following Standard Industrial Classification (SIC) codes or their corresponding North American Industry Classification System sectors:

(i) Major group code 10 (except 1011, 1081, and 1094.

(ii) Major group code 12 (except 1241).

(iii) Major group codes 20 through 39.

(iv) Industry code 4911, 4931, or 4939 (limited to facilities that combust coal and/or oil for the purpose of generating power for distribution in commerce).

(v) Industry code 4953 (limited to facilities regulated under the Resource Conservation and Recovery Act, Subtitle C (42 U.S.C. 6921, et seq.)), 5169, 5171, or 7389 (limited to facilities primarily engaged in solvent recovery services on a contract or fee basis); or

(5) The facility is not located in the United States or its outlying areas.

(c) If the Contractor has certified to an exemption in accordance with one or more of the criteria in paragraph (b) of this clause, and after award of the contract circumstances change so that any of its owned or operated facilities used in the performance of this contract is no longer exempt--

(1) The Contractor shall notify the Contracting Officer; and

(2) The Contractor, as owner or operator of a facility used in the performance of this contract that is no longer exempt, shall (i) submit a Toxic Chemical Release Inventory Form (Form R) on or before July 1 for the prior calendar year during which the facility becomes eligible; and (ii) continue to file the annual Form R for the life of the contract for such facility.

(d) The Contracting Officer may terminate this contract or take other action as appropriate, if the Contractor fails to comply accurately and fully with the EPCRA and PPA toxic chemical release filing and reporting requirements.

(e) Except for acquisitions of commercial items, as defined in FAR Part 2, the Contractor shall--

(1) For competitive subcontracts expected to exceed \$100,000 (including all options), include a solicitation provision substantially the same as the provision at FAR 52.223-13, Certification of Toxic Chemical Release Reporting; and

(2) Include in any resultant subcontract exceeding \$100,000 (including all options), the substance of this clause, except this paragraph (e).

(End of clause)

52.227-1 AUTHORIZATION AND CONSENT (JUL 1995)

(a) The Government authorizes and consents to all use and manufacture, in performing this contract or any subcontract at any tier, of any invention described in and covered by a United States patent (1) embodied in the structure or composition of any article the delivery of which is accepted by the Government under this contract or (2) used in machinery, tools, or methods whose use necessarily results from compliance by the Contractor or a subcontractor with (i) specifications or written provisions forming a part of this contract or (ii) specific written

instructions given by the Contracting Officer directing the manner of performance. The entire liability to the Government for infringement of a patent of the United States shall be determined solely by the provisions of the indemnity clause, if any, included in this contract or any subcontract hereunder (including any lower-tier subcontract), and the Government assumes liability for all other infringement to the extent of the authorization and consent hereinabove granted.

(b) The Contractor agrees to include, and require inclusion of, this clause, suitably modified to identify the parties, in all subcontracts at any tier for supplies or services (including construction, architect-engineer services, and materials, supplies, models, samples, and design or testing services expected to exceed the simplified acquisition threshold (however, omission of this clause from any subcontract, including those at or below the simplified acquisition threshold, does not affect this authorization and consent.)

(End of clause)

52.227-2 NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT (AUG 1996)

(a) The Contractor shall report to the Contracting Officer, promptly and in reasonable written detail, each notice or claim of patent or copyright infringement based on the performance of this contract of which the Contractor has knowledge.

(b) In the event of any claim or suit against the Government on account of any alleged patent or copyright infringement arising out of the performance of this contract or out of the use of any supplies furnished or work or services performed under this contract, the Contractor shall furnish to the Government, when requested by the Contracting Officer, all evidence and information in possession of the Contractor pertaining to such suit or claim. Such evidence and information shall be furnished at the expense of the Government except where the Contractor has agreed to indemnify the Government.

(c) The Contractor agrees to include, and require inclusion of, this clause in all subcontracts at any tier for supplies or services (including construction and architect-engineer subcontracts and those for material, supplies, models, samples, or design or testing services) expected to exceed the simplified acquisition threshold at (FAR) 2.101 to exceed the dollar amount set forth in 13.000 of the Federal Acquisition Regulation (FAR).

(End of clause)

52.229-3 FEDERAL, STATE, AND LOCAL TAXES (APR 2003)

(a) As used in this clause--

"Contract date" means the date set for bid opening or, if this is a negotiated contract or a modification, the effective date of this contract or modification.

"All applicable Federal, State, and local taxes and duties" means all taxes and duties, in effect on the contract date, that the taxing authority is imposing and collecting on the transactions or property covered by this contract.

"After-imposed Federal tax" means any new or increased Federal excise tax or duty, or tax that was exempted or excluded on the contract date but whose exemption was later revoked or reduced during the contract period, on the transactions or property covered by this contract that the Contractor is required to pay or bear as the result of legislative, judicial, or administrative action taking effect after the contract date. It does not include social security tax or other employment taxes.

"After-relieved Federal tax" means any amount of Federal excise tax or duty, except social security or other employment taxes, that would otherwise have been payable on the transactions or property covered by this contract, but which the Contractor is not required to pay or bear, or for which the Contractor obtains a refund or drawback, as the result of legislative, judicial, or administrative action taking effect after the contract date.

Local taxes includes taxes imposed by a possession or territory of the United States, Puerto Rico, or the Northern Mariana Islands, if the contract is performed wholly or partly in any of those areas.

- (b) The contract price includes all applicable Federal, State, and local taxes and duties.
- (c) The contract price shall be increased by the amount of any after-imposed Federal tax, provided the Contractor warrants in writing that no amount for such newly imposed Federal excise tax or duty or rate increase was included in the contract price, as a contingency reserve or otherwise.
- (d) The contract price shall be decreased by the amount of any after-relieved Federal tax.
- (e) The contract price shall be decreased by the amount of any Federal excise tax or duty, except social security or other employment taxes, that the Contractor is required to pay or bear, or does not obtain a refund of, through the Contractor's fault, negligence, or failure to follow instructions of the Contracting Officer.
- (f) No adjustment shall be made in the contract price under this clause unless the amount of the adjustment exceeds \$250.
- (g) The Contractor shall promptly notify the Contracting Officer of all matters relating to any Federal excise tax or duty that reasonably may be expected to result in either an increase or decrease in the contract price and shall take appropriate action as the Contracting Officer directs.

(h) The Government shall, without liability, furnish evidence appropriate to establish exemption from any Federal, State, or local tax when the Contractor requests such evidence and a reasonable basis exists to sustain the exemption.

(End of clause)

52.232-1 PAYMENTS (APR 1984)

The Government shall pay the Contractor, upon the submission of proper invoices or vouchers, the prices stipulated in this contract for supplies delivered and accepted or services rendered and accepted, less any deductions provided in this contract. Unless otherwise specified in this contract, payment shall be made on partial deliveries accepted by the Government if--

(a) The amount due on the deliveries warrants it; or

(b) The Contractor requests it and the amount due on the deliveries is at least \$1,000 or 50 percent of the total contract price.

(End of clause)

52.232-8 DISCOUNTS FOR PROMPT PAYMENT (FEB 2002)

(a) Discounts for prompt payment will not be considered in the evaluation of offers. However, any offered discount will form a part of the award, and will be taken if payment is made within the discount period indicated in the offer by the offeror. As an alternative to offering a discount for prompt payment in conjunction with the offer, offerors awarded contracts may include discounts for prompt payment on individual invoices.

(b) In connection with any discount offered for prompt payment, time shall be computed from the date of the invoice. If the Contractor has not placed a date on the invoice, the due date shall be calculated from the date the designated billing office receives a proper invoice, provided the agency annotates such invoice with the date of receipt at the time of receipt. For the purpose of computing the discount earned, payment shall be considered to have been made on the date that appears on the payment check or, for an electronic funds transfer, the specified payment date. When the discount date falls on a Saturday, Sunday, or legal holiday when Federal Government offices are closed and Government business is not expected to be conducted, payment may be made on the following business day.

(End of clause)

52.232-9 LIMITATION ON WITHHOLDING OF PAYMENTS (APR 1984)

If more than one clause or Schedule term of this contract authorizes the temporary withholding of amounts otherwise payable to the Contractor for supplies delivered or services performed, the total of the amounts withheld at any one time shall not exceed the greatest amount that may be withheld under any one clause or Schedule term at that time; provided, that this limitation shall not apply to--

- (a) Withholdings pursuant to any clause relating to wages or hours of employees;
- (b) Withholdings not specifically provided for by this contract;
- (c) The recovery of overpayments; and
- (d) Any other withholding for which the Contracting Officer determines that this limitation is inappropriate.

(End of clause)

52.232-11 EXTRAS (APR 1984)

Except as otherwise provided in this contract, no payment for extras shall be made unless such extras and the price therefore have been authorized in writing by the Contracting Officer.

(End of clause)

52.232-23 ASSIGNMENT OF CLAIMS (JAN 1986) - ALTERNATE I (APR 1984)

(a) The Contractor, under the Assignment of Claims Act, as amended, 31 U.S.C. 3727, 41 U.S.C. 15 (hereafter referred to as "the Act"), may assign its rights to be paid amounts due or to become due as a result of the performance of this contract to a bank, trust company, or other financing institution, including any Federal lending agency. The assignee under such an assignment may thereafter further assign or reassign its right under the original assignment to any type of financing institution described in the preceding sentence. Unless otherwise stated in this contract, payments to an assignee of any amounts due or to become due under this contract shall not, to the extent specified in the Act, be subject to reduction or setoff.

(b) Any assignment or reassignment authorized under the Act and this clause shall cover all unpaid amounts payable under this contract, and shall not be made to more than one party, except that an assignment or reassignment may be made to one party as agent or trustee for two or more parties participating in the financing of this contract.

(c) The Contractor shall not furnish or disclose to any assignee under this contract any classified document (including this contract) or information related to work under this contract until the Contracting Officer authorizes such action in writing.

(End of clause)

52.232-25 PROMPT PAYMENT (OCT 2003)

Notwithstanding any other payment clause in this contract, the Government will make invoice payments under the terms and conditions specified in this clause. The Government considers payment as being made on the day a check is dated or the date of an electronic funds transfer (EFT). Definitions of pertinent terms are set forth in sections 2.101, 32.001, and 32.902 of the Federal Acquisition Regulation. All days referred to in this clause are calendar days, unless otherwise specified. (However, see paragraph (a)(4) of this clause concerning payments due on Saturdays, Sundays, and legal holidays.)

(a) Invoice payments--(1) Due date. (i) Except as indicated in paragraphs (a)(2) and (c) of this clause, the due date for making invoice payments by the designated payment office is the later of the following two events:

(A) The 30th day after the designated billing office receives a proper invoice from the Contractor (except as provided in paragraph (a)(1)(ii) of this clause).

(B) The 30th day after Government acceptance of supplies delivered or services performed. For a final invoice, when the payment amount is subject to contract settlement actions, acceptance is deemed to occur on the effective date of the contract settlement.

(ii) If the designated billing office fails to annotate the invoice with the actual date of receipt at the time of receipt, the invoice payment due date is the 30th day after the date of the Contractor's invoice, provided the designated billing office receives a proper invoice and there is no disagreement over quantity, quality, or Contractor compliance with contract requirements.

(2) Certain food products and other payments. (i) Due dates on Contractor invoices for meat, meat food products, or fish; perishable agricultural commodities; and dairy products, edible fats or oils, and food products prepared from edible fats or oils are--

(A) For meat or meat food products, as defined in section 2(a)(3) of the Packers and Stockyard Act of 1921 (7 U.S.C. 182(3)), and as further defined in Pub. L. 98-181, including any edible fresh or frozen poultry meat, any perishable poultry meat food product, fresh eggs, and any perishable egg product, as close as possible to, but not later than, the 7th day after product delivery.

(B) For fresh or frozen fish, as defined in section 204(3) of the Fish and Seafood Promotion Act of 1986 (16 U.S.C. 4003(3)), as close as possible to, but not later than, the 7th day after product delivery.

C) For perishable agricultural commodities, as defined in section 1(4) of the Perishable Agricultural Commodities Act of 1930 (7 U.S.C. 499a(4)), as close as possible to, but not later than, the 10th day after product delivery, unless another date is specified in the contract.

(D) For dairy products, as defined in section 111(e) of the Dairy Production Stabilization Act of 1983 (7 U.S.C. 4502(e)), edible fats or oils, and food products prepared from edible fats or oils, as close as possible to, but not later than, the 10th day after the date on which a proper invoice has been received. Liquid milk, cheese, certain processed cheese products, butter, yogurt, ice cream, mayonnaise, salad dressings, and other similar products, fall within this classification. Nothing in the Act limits this classification to refrigerated products. When questions arise regarding the proper classification of a specific product, prevailing industry practices will be followed in specifying a contract payment due date. The burden of proof that a classification of a specific product is, in fact, prevailing industry practice is upon the Contractor making the representation.

(ii) If the contract does not require submission of an invoice for payment (e.g., periodic lease payments), the due date will be as specified in the contract.

(3) Contractor's invoice. The Contractor shall prepare and submit invoices to the designated billing office specified in the contract. A proper invoice must include the items listed in paragraphs (a)(3)(i) through (a)(3)(x) of this clause. If the invoice does not comply with these requirements, the designated billing office will return it within 7 days after receipt (3 days for meat, meat food products, or fish; 5 days for perishable agricultural commodities, dairy products, edible fats or oils, and food products prepared from edible fats or oils), with the reasons why it is not a proper invoice. The Government will take into account untimely notification when computing any interest penalty owed the Contractor.

(i) Name and address of the Contractor.

(ii) Invoice date and invoice number. (The Contractor should date invoices as close as possible to the date of the mailing or transmission.)

(iii) Contract number or other authorization for supplies delivered or services performed (including order number and contract line item number).

(iv) Description, quantity, unit of measure, unit price, and extended price of supplies delivered or services performed.

(v) Shipping and payment terms (e.g., shipment number and date of shipment, discount for prompt payment terms). Bill of lading number and weight of shipment will be shown for shipments on Government bills of lading.

(vi) Name and address of Contractor official to whom payment is to be sent (must be the same as that in the contract or in a proper notice of assignment).

(vii) Name (where practicable), title, phone number, and mailing address of person to notify in the event of a defective invoice.

(viii) Taxpayer Identification Number (TIN). The Contractor shall include its TIN on the invoice only if required elsewhere in this contract.

(ix) Electronic funds transfer (EFT) banking information.

(A) The Contractor shall include EFT banking information on the invoice only if required elsewhere in this contract.

(B) If EFT banking information is not required to be on the invoice, in order for the invoice to be a proper invoice, the Contractor shall have submitted correct EFT banking information in accordance with the applicable solicitation provision (e.g., 52.232-38, Submission of Electronic Funds Transfer Information with Offer), contract clause (e.g., 52.232-33, Payment by Electronic Funds Transfer--Central Contractor Registration, or 52.232-34, Payment by Electronic Funds Transfer--Other Than Central Contractor Registration), or applicable agency procedures.

(C) EFT banking information is not required if the Government waived the requirement to pay by EFT.

(x) Any other information or documentation required by the contract (e.g., evidence of shipment).

(4) Interest penalty. The designated payment office will pay an interest penalty automatically, without request from the Contractor, if payment is not made by the due date and the conditions listed in paragraphs (a)(4)(i) through (a)(4)(iii) of this clause are met, if applicable. However, when the due date falls on a Saturday, Sunday, or legal holiday, the designated payment office may make payment on the following working day without incurring a late payment interest penalty.

(i) The designated billing office received a proper invoice.

(ii) The Government processed a receiving report or other Government documentation authorizing payment, and there was no disagreement over quantity, quality, or Contractor compliance with any contract term or condition.

(iii) In the case of a final invoice for any balance of funds due the Contractor for supplies delivered or services performed, the amount was not subject to further contract settlement actions between the Government and the Contractor.

(5) Computing penalty amount. The Government will compute the interest penalty in accordance with the Office of Management and Budget prompt payment regulations at 5 CFR part 1315.

(i) For the sole purpose of computing an interest penalty that might be due the Contractor, Government acceptance is deemed to occur constructively on the 7th day (unless otherwise specified in this contract) after the Contractor delivers the supplies or performs the services in accordance with the terms and conditions of the contract, unless there is a disagreement over quantity, quality, or Contractor compliance with a contract provision. If actual acceptance occurs within the constructive acceptance period, the Government will base the determination of an interest penalty on the actual date of acceptance. The constructive acceptance requirement does not, however, compel Government officials to accept supplies or services, perform contract administration functions, or make payment prior to fulfilling their responsibilities.

(ii) The prompt payment regulations at 5 CFR 1315.10(c) do not require the Government to pay interest penalties if payment delays are due to disagreement between the Government and the Contractor over the payment amount or other issues involving contract compliance, or on amounts temporarily withheld or retained in accordance with the terms of the contract. The Government and the Contractor shall resolve claims involving disputes and any interest that may be payable in accordance with the clause at FAR 52.233-1, Disputes.

(6) Discounts for prompt payment. The designated payment office will pay an interest penalty automatically, without request from the Contractor, if the Government takes a discount for prompt payment improperly. The Government will calculate the interest penalty in accordance with the prompt payment regulations at 5 CFR part 1315.

(7) Additional interest penalty. (i) The designated payment office will pay a penalty amount, calculated in accordance with the prompt payment regulations at 5 CFR part 1315 in addition to the interest penalty amount only if--

(A) The Government owes an interest penalty of \$1 or more;

(B) The designated payment office does not pay the interest penalty within 10 days after the date the invoice amount is paid; and

(C) The Contractor makes a written demand to the designated payment office for additional penalty payment, in accordance with paragraph (a)(7)(ii) of this clause, postmarked not later than 40 days after the invoice amount is paid.

(ii)(A) The Contractor shall support written demands for additional penalty payments with the following data. The Government will not request any additional data. The Contractor shall--

(1) Specifically assert that late payment interest is due under a specific invoice, and request payment of all overdue late payment interest penalty and such additional penalty as may be required;

(2) Attach a copy of the invoice on which the unpaid late payment interest is due; and

(3) State that payment of the principal has been received, including the date of receipt.

(B) If there is no postmark or the postmark is illegible--

(1) The designated payment office that receives the demand will annotate it with the date of receipt, provided the demand is received on or before the 40th day after payment was made; or

(2) If the designated payment office fails to make the required annotation, the Government will determine the demand's validity based on the date the Contractor has placed on the demand, provided such date is no later than the 40th day after payment was made.

(iii) The additional penalty does not apply to payments regulated by other Government regulations (e.g., payments under utility contracts subject to tariffs and regulation).

(b) Contract financing payment. If this contract provides for contract financing, the Government will make contract financing payments in accordance with the applicable contract financing clause.

(c) Fast payment procedure due dates. If this contract contains the clause at 52.213-1, Fast Payment Procedure, payments will be made within 15 days after the date of receipt of the invoice.

(d) Overpayments. If the Contractor becomes aware of a duplicate contract financing or invoice payment or that the Government has otherwise overpaid on a contract financing or invoice payment, the Contractor shall immediately notify the Contracting Officer and request instructions for disposition of the overpayment.

(End of clause)

52.232-33 PAYMENT BY ELECTRONIC FUNDS TRANSFER—CENTRAL CONTRACTOR REGISTRATION (OCT 2003)

(a) Method of payment. (1) All payments by the Government under this contract shall be made by electronic funds transfer (EFT), except as provided in paragraph (a)(2) of this clause. As used in this clause, the term "EFT" refers to the funds transfer and may also include the payment information transfer.

(2) In the event the Government is unable to release one or more payments by EFT, the Contractor agrees to either--

(i) Accept payment by check or some other mutually agreeable method of payment; or

(ii) Request the Government to extend the payment due date until such time as the Government can make payment by EFT (but see paragraph (d) of this clause).

(b) Contractor's EFT information. The Government shall make payment to the Contractor using the EFT information contained in the Central Contractor Registration (CCR) database. In the event that the EFT information changes, the Contractor shall be responsible for providing the updated information to the CCR database.

(c) Mechanisms for EFT payment. The Government may make payment by EFT through either the Automated Clearing House (ACH) network, subject to the rules of the National Automated Clearing House Association, or the Fedwire Transfer System. The rules governing Federal payments through the ACH are contained in 31 CFR part 210.

(d) Suspension of payment. If the Contractor's EFT information in the CCR database is incorrect, then the Government need not make payment to the Contractor under this contract until correct EFT information is entered into the CCR database; and any invoice or contract financing request shall be deemed not to be a proper invoice for the purpose of prompt payment under this contract. The prompt payment terms of the contract regarding notice of an improper invoice and delays in accrual of interest penalties apply.

(e) Liability for uncompleted or erroneous transfers. (1) If an uncompleted or erroneous transfer occurs because the Government used the Contractor's EFT information incorrectly, the Government remains responsible for--

(i) Making a correct payment;

(ii) Paying any prompt payment penalty due; and

(iii) Recovering any erroneously directed funds.

(2) If an uncompleted or erroneous transfer occurs because the Contractor's EFT information was incorrect, or was revised within 30 days of Government release of the EFT payment transaction instruction to the Federal Reserve System, and--

(i) If the funds are no longer under the control of the payment office, the Government is deemed to have made payment and the Contractor is responsible for recovery of any erroneously directed funds; or

(ii) If the funds remain under the control of the payment office, the Government shall not make payment, and the provisions of paragraph (d) of this clause shall apply.

(f) EFT and prompt payment. A payment shall be deemed to have been made in a timely manner in accordance with the prompt payment terms of this contract if, in the EFT payment transaction instruction released to the Federal Reserve System, the date specified for settlement of the payment is on or before the prompt payment due date, provided the specified payment date is a valid date under the rules of the Federal Reserve System.

(g) EFT and assignment of claims. If the Contractor assigns the proceeds of this contract as provided for in the assignment of claims terms of this contract, the Contractor shall require as a condition of any such assignment, that the assignee shall register separately in the CCR database and shall be paid by EFT in accordance with the terms of this clause. Notwithstanding any other requirement of this contract, payment to an ultimate recipient other than the Contractor, or a financial institution properly recognized under an assignment of claims pursuant to subpart 32.8, is not permitted. In all respects, the requirements of this clause shall apply to the assignee as if it were the Contractor. EFT information that shows the ultimate recipient of the transfer to be other than the Contractor, in the absence of a proper assignment of claims acceptable to the Government, is incorrect EFT information within the meaning of paragraph (d) of this clause.

(h) Liability for change of EFT information by financial agent. The Government is not liable for errors resulting from changes to EFT information made by the Contractor's financial agent.

(i) Payment information. The payment or disbursing office shall forward to the Contractor available payment information that is suitable for transmission as of the date of release of the EFT instruction to the Federal Reserve System. The Government may request the Contractor to designate a desired format and method(s) for delivery of payment information from a list of formats and methods the payment office is capable of executing. However, the Government does not guarantee that any particular format or method of delivery is available at any particular payment office and retains the latitude to use the format and delivery method most convenient to the Government. If the Government makes payment by check in accordance with paragraph (a) of this clause, the Government shall mail the payment information to the remittance address contained in the CCR database.

(End of Clause)

52.233-1 DISPUTES. (JUL 2002)

(a) This contract is subject to the Contract Disputes Act of 1978, as amended (41 U.S.C. 601-613).

(b) Except as provided in the Act, all disputes arising under or relating to this contract shall be resolved under this clause.

(c) Claim, as used in this clause, means a written demand or written assertion by one of the contracting parties seeking, as a matter of right, the payment of money in a sum certain, the adjustment or interpretation of contract terms, or other relief arising under or relating to this contract. However, a written demand or written assertion by the Contractor seeking the payment of money exceeding \$100,000 is not a claim under the Act until certified. A voucher, invoice, or other routine request for payment that is not in dispute when submitted is not a claim under the Act. The submission may be converted to a claim under the Act, by complying with the submission and certification requirements of this clause, if it is disputed either as to liability or amount or is not acted upon in a reasonable time.

(d)(1) A claim by the Contractor shall be made in writing and, unless otherwise stated in this contract, submitted within 6 years after accrual of the claim to the Contracting Officer for a written decision. A claim by the Government against the Contractor shall be subject to a written decision by the Contracting Officer.

(2)(i) The contractors shall provide the certification specified in subparagraph (d)(2)(iii) of this clause when submitting any claim -

(A) Exceeding \$100,000; or

(B) Regardless of the amount claimed, when using -

(1) Arbitration conducted pursuant to 5 U.S.C. 575-580; or

(2) Any other alternative means of dispute resolution (ADR) technique that the agency elects to handle in accordance with the Administrative Dispute Resolution Act (ADRA).

(ii) The certification requirement does not apply to issues in controversy that have not been submitted as all or part of a claim.

(iii) The certification shall state as follows: "I certify that the claim is made in good faith; that the supporting data are accurate and complete to the best of my knowledge and belief; that the amount requested accurately reflects the contract adjustment for which the Contractor believes the Government is liable; and that I am duly authorized to certify the claim on behalf of the Contractor.

(3) The certification may be executed by any person duly authorized to bind the Contractor with respect to the claim.

(e) For Contractor claims of \$100,000 or less, the Contracting Officer must, if requested in writing by the Contractor, render a decision within 60 days of the request. For Contractor-certified claims over \$100,000, the Contracting Officer must, within 60 days, decide the claim or notify the Contractor of the date by which the decision will be made.

(f) The Contracting Officer's decision shall be final unless the Contractor appeals or files a suit as provided in the Act.

(g) If the claim by the Contractor is submitted to the Contracting Officer or a claim by the Government is presented to the Contractor, the parties, by mutual consent, may agree to use alternative dispute resolution (ADR). If the Contractor refuses an offer for ADR, the Contractor shall inform the Contracting Officer, in writing, of the Contractor's specific reasons for rejecting the request.

(h) The Government shall pay interest on the amount found due and unpaid from (1) the date the Contracting Officer receives the claim (certified, if required); or (2) the date that payment

otherwise would be due, if that date is later, until the date of payment. With regard to claims having defective certifications, as defined in (FAR) 48 CFR 33.201, interest shall be paid from the date that the Contracting Officer initially receives the claim. Simple interest on claims shall be paid at the rate, fixed by the Secretary of the Treasury as provided in the Act, which is applicable to the period during which the Contracting Officer receives the claim and then at the rate applicable for each 6-month period as fixed by the Treasury Secretary during the pendency of the claim.

(i) The Contractor shall proceed diligently with performance of this contract, pending final resolution of any request for relief, claim, appeal, or action arising under the contract, and comply with any decision of the Contracting Officer.

(End of clause)

52.233-3 PROTEST AFTER AWARD (AUG. 1996)

(a) Upon receipt of a notice of protest (as defined in FAR 33.101) or a determination that a protest is likely (see FAR 33.102(d)), the Contracting Officer may, by written order to the Contractor, direct the Contractor to stop performance of the work called for by this contract. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, the Contractor shall immediately comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the work covered by the order during the period of work stoppage. Upon receipt of the final decision in the protest, the Contracting Officer shall either--

(1) Cancel the stop-work order; or

(2) Terminate the work covered by the order as provided in the Default, or the Termination for Convenience of the Government, clause of this contract.

(b) If a stop-work order issued under this clause is canceled either before or after a final decision in the protest, the Contractor shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule or contract price, or both, and the contract shall be modified, in writing, accordingly, if--

(1) The stop-work order results in an increase in the time required for, or in the Contractor's cost properly allocable to, the performance of any part of this contract; and

(2) The Contractor asserts its right to an adjustment within 30 days after the end of the period of work stoppage; provided, that if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon a proposal at any time before final payment under this contract.

(c) If a stop-work order is not canceled and the work covered by the order is terminated for the

convenience of the Government, the Contracting Officer shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.

(d) If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

(e) The Government's rights to terminate this contract at any time are not affected by action taken under this clause.

(f) If, as the result of the Contractor's intentional or negligent misstatement, misrepresentation, or miscertification, a protest related to this contract is sustained, and the Government pays costs, as provided in FAR 33.102(b)(2) or 33.104(h)(1), the Government may require the Contractor to reimburse the Government the amount of such costs. In addition to any other remedy available, and pursuant to the requirements of Subpart 32.6, the Government may collect this debt by offsetting the amount against any payment due the Contractor under any contract between the Contractor and the Government.

(End of clause)

52.242-13 BANKRUPTCY (JUL 1995)

In the event the Contractor enters into proceedings relating to bankruptcy, whether voluntary or involuntary, the Contractor agrees to furnish, by certified mail or electronic commerce method authorized by the contract, written notification of the bankruptcy to the Contracting Officer responsible for administering the contract. This notification shall be furnished within five days of the initiation of the proceedings relating to bankruptcy filing. This notification shall include the date on which the bankruptcy petition was filed, the identity of the court in which the bankruptcy petition was filed, and a listing of Government contract numbers and contracting offices for all Government contracts against which final payment has not been made. This obligation remains in effect until final payment under this contract.

(End of clause)

52.243-1 CHANGES--FIXED-PRICE (APR 1984)

(a) The Contracting Officer may at any time, by written order, and without notice to the sureties, if any, make changes within the general scope of this contract in any one or more of the following:

(1) Drawings, designs, or specifications when the supplies to be furnished are to be specially manufactured for the Government in accordance with the drawings, designs, or specifications.

(2) Method of shipment or packing.

(3) Place of delivery.

(b) If any such change causes an increase or decrease in the cost of, or the time required for, performance of any part of the work under this contract, whether or not changed by the order, the Contracting Officer shall make an equitable adjustment in the contract price, the delivery schedule, or both, and shall modify the contract.

(c) The Contractor must assert its right to an adjustment under this clause within 30 days from the date of receipt of the written order. However, if the Contracting Officer decides that the facts justify it, the Contracting Officer may receive and act upon a proposal submitted before final payment of the contract.

(d) If the Contractor's proposal includes the cost of property made obsolete or excess by the change, the Contracting Officer shall have the right to prescribe the manner of the disposition of the property.

(e) Failure to agree to any adjustment shall be a dispute under the Disputes clause. However, nothing in this clause shall excuse the Contractor from proceeding with the contract as changed.

(End of clause)

52.244-5 COMPETITION IN SUBCONTRACTING (DEC 1996)

(a) The Contractor shall select subcontractors (including suppliers) on a competitive basis to the maximum practical extent consistent with the objectives and requirements of the contract.

(b) If the Contractor is an approved mentor under the Department of Defense Pilot Mentor-Protege Program (Pub. L. 101-510, section 831 as amended), the Contractor may award subcontracts under this contract on a noncompetitive basis to its proteges.

(End of clause)

52.246-1 CONTRACTOR INSPECTION REQUIREMENTS (APR 1984)

The Contractor is responsible for performing or having performed all inspections and tests necessary to substantiate that the supplies or services furnished under this contract conform to contract requirements, including any applicable technical requirements for specified manufacturers' parts. This clause takes precedence over any Government inspection and testing required in the contract's specifications, except for specialized inspections or tests specified to be performed solely by the Government.

(End of clause)

52.246-23 LIMITATION OF LIABILITY (FEB 1997)

(a) Except as provided in paragraphs (b) and (c) below, and except for remedies expressly provided else-where in this contract, the Contractor shall not be liable for loss of or damage to property of the Government (excluding the supplies delivered under this contract) that (1) occurs after Government acceptance of the supplies delivered under this contract, and (2) results from any defects or deficiencies in the supplies.

(b) The limitation of liability under paragraph (a) of this clause shall not apply when a defect or deficiency in, or the Government's acceptance of, the supplies results from willful misconduct or lack of good faith on the part of any of the Contractor's managerial personnel. The term "Contractor's managerial personnel," as used in this clause, means the Contractor's directors, officers, and any of the Contractor's managers, superintendents, or equivalent representatives who have supervision or direction of--

(1) All or substantially all of the Contractor's business;

(2) All or substantially all of the Contractor's operations at any one plant, laboratory, or separate location at which the contract is being performed; or

(3) A separate and complete major industrial operation connected with the performance of this contract.

(c) If the Contractor carries insurance, or has established a reserve for self-insurance, covering liability for loss or damage suffered by the Government through purchase or use of the supplies required to be delivered under this contract, the Contractor shall be liable to the Government, to the extent of such insurance or reserve, for loss of or damage to property of the Government occurring after Government acceptance of, and resulting from any defects or deficiencies in, the supplies delivered under this contract.

(End of clause)

52.248-1 VALUE ENGINEERING (FEB 2000)

(a) General. The Contractor is encouraged to develop, prepare, and submit value engineering change proposals (VECP's) voluntarily. The Contractor shall share in any net acquisition savings realized from accepted VECP's, in accordance with the incentive sharing rates in paragraph (f) below.

(b) Definitions. "Acquisition savings," as used in this clause, means savings resulting from the application of a VECP to contracts awarded by the same contracting office or its successor for essentially the same unit. Acquisition savings include--

(1) Instant contract savings, which are the net cost reductions on this, the instant contract, and which are equal to the instant unit cost reduction multiplied by the number of instant contract units affected by the VECP, less the Contractor's allowable development and implementation costs;

(2) Concurrent contract savings, which are net reductions in the prices of other contracts that are definitized and ongoing at the time the VECP is accepted; and

(3) Future contract savings, which are the product of the future unit cost reduction multiplied by the number of future contract units in the sharing base. On an instant contract, future contract savings include savings on increases in quantities after VECP acceptance that are due to contract modifications, exercise of options, additional orders, and funding of subsequent year requirements on a multiyear contract.

"Collateral costs," as used in this clause, means agency cost of operation, maintenance, logistic support, or Government-furnished property.

"Collateral savings," as used in this clause, means those measurable net reductions resulting from a VECP in the agency's overall projected collateral costs, exclusive of acquisition savings, whether or not the acquisition cost changes.

"Contracting office" includes any contracting office that the acquisition is transferred to, such as another branch of the agency or another agency's office that is performing a joint acquisition action.

"Contractor's development and implementation costs," as used in this clause, means those costs the Contractor incurs on a VECP specifically in developing, testing, preparing, and submitting the VECP, as well as those costs the Contractor incurs to make the contractual changes required by Government acceptance of a VECP.

"Future unit cost reduction," as used in this clause, means the instant unit cost reduction adjusted as the Contracting Officer considers necessary for projected learning or changes in quantity during the sharing period. It is calculated at the time the VECP is accepted and applies either (1) throughout the sharing period, unless the Contracting Officer decides that recalculation is necessary because conditions are significantly different from those previously anticipated or (2) to the calculation of a lump-sum payment, which cannot later be revised.

"Government costs," as used in this clause, means those agency costs that result directly from developing and implementing the VECP, such as any net increases in the cost of testing, operations, maintenance, and logistics support. The term does not include the normal administrative costs of processing the VECP or any increase in this contract's cost or price resulting from negative instant contract savings.

"Instant contract," as used in this clause, means this contract, under which the VECP is submitted. It does not include increases in quantities after acceptance of the VECP that are due to contract modifications, exercise of options, or additional orders. If this is a multiyear contract, the term does not include quantities funded after VECP acceptance. If this contract is a fixed-price contract with prospective price redetermination, the term refers to the period for which firm prices have been established.

"Instant unit cost reduction" means the amount of the decrease in unit cost of performance (without deducting any Contractor's development or implementation costs) resulting from using the VECP on this, the instant contract. If this is a service contract, the instant unit cost reduction is normally equal to the number of hours per line-item task saved by using the VECP on this contract, multiplied by the appropriate contract labor rate.

"Negative instant contract savings" means the increase in the cost or price of this contract when the acceptance of a VECP results in an excess of the Contractor's allowable development and implementation costs over the product of the instant unit cost reduction multiplied by the number of instant contract units affected.

"Net acquisition savings" means total acquisition savings, including instant, concurrent, and future contract savings, less Government costs.

"Sharing base," as used in this clause, means the number of affected end items on contracts of the contracting office accepting the VECP.

Sharing period, as used in this clause, means the period beginning with acceptance of the first unit incorporating the VECP and ending at a calendar date or event determined by the contracting officer for each VECP.

"Unit," as used in this clause, means the item or task to which the Contracting Officer and the Contractor agree the VECP applies.

"Value engineering change proposal (VECP)" means a proposal that--

- (1) Requires a change to this, the instant contract, to implement; and
- (2) Results in reducing the overall projected cost to the agency without impairing essential functions or characteristics; provided, that it does not involve a change--
 - (i) In deliverable end item quantities only;
 - (ii) In research and development (R&D) end items or R&D test quantities that is due solely to results of previous testing under this contract; or
 - (iii) To the contract type only.

(c) VECP preparation. As a minimum, the Contractor shall include in each VECP the information described in subparagraphs (1) through (8) below. If the proposed change is affected by contractually required configuration management or similar procedures, the instructions in those procedures relating to format, identification, and priority assignment shall govern VECP preparation. The VECP shall include the following:

(1) A description of the difference between the existing contract requirement and the proposed requirement, the comparative advantages and disadvantages of each, a justification when an item's function or characteristics are being altered, the effect of the change on the end item's performance, and any pertinent objective test data.

(2) A list and analysis of the contract requirements that must be changed if the VECP is accepted, including any suggested specification revisions.

(3) Identification of the unit to which the VECP applies.

(4) A separate, detailed cost estimate for (i) the affected portions of the existing contract requirement and (ii) the VECP. The cost reduction associated with the VECP shall take into account the Contractor's allowable development and implementation costs, including any amount attributable to subcontracts under the Subcontracts paragraph of this clause, below.

(5) A description and estimate of costs the Government may incur in implementing the VECP, such as test and evaluation and operating and support costs.

(6) A prediction of any effects the proposed change would have on collateral costs to the agency.

(7) A statement of the time by which a contract modification accepting the VECP must be issued in order to achieve the maximum cost reduction, noting any effect on the contract completion time or delivery schedule.

(8) Identification of any previous submissions of the VECP, including the dates submitted, the agencies and contract numbers involved, and previous Government actions, if known.

(d) Submission. The Contractor shall submit VECP's to the Contracting Officer, unless this contract states otherwise. If this contract is administered by other than the contracting office, the Contractor shall submit a copy of the VECP simultaneously to the Contracting Officer and to the Administrative Contracting Officer.

(e) Government action. (1) The Contracting Officer will notify the Contractor of the status of the VECP within 45 calendar days after the contracting office receives it. If additional time is required, the Contracting Officer will notify the Contractor within the 45-day period and provide the reason for the delay and the expected date of the decision. The Government will process VECP's expeditiously; however, it shall not be liable for any delay in acting upon a VECP.

(2) If the VECP is not accepted, the Contracting Officer will notify the Contractor in writing, explaining the reasons for rejection. The Contractor may withdraw any VECP, in whole or in

part, at any time before it is accepted by the Government. The Contracting Officer may require that the Contractor provide written notification before undertaking significant expenditures for VECP effort.

(3) Any VECP may be accepted, in whole or in part, by the Contracting Officer's award of a modification to this contract citing this clause and made either before or within a reasonable time after contract performance is completed. Until such a contract modification applies a VECP to this contract, the Contractor shall perform in accordance with the existing contract. The decision to accept or reject all or part of any VECP is a unilateral decision made solely at the discretion of the Contracting Officer.

(f) Sharing rates. If a VECP is accepted, the Contractor shall share in net acquisition savings according to the percentages shown in the table below. The percentage paid the Contractor depends upon (1) this contract's type (fixed-price, incentive, or cost-reimbursement), (2) the sharing arrangement specified in paragraph (a) above (incentive, program requirement, or a combination as delineated in the Schedule), and (3) the source of the savings (the instant contract, or concurrent and future contracts), as follows:

CONTRACTOR'S SHARE OF NET ACQUISITION SAVINGS

(Figures in percent)

Contract Type	Incentive (Voluntary)		Program Requirement (Mandatory)	
	Instant Contract Rate	Concurrent and Future Contract Rate	Instant Contract Rate	Concurrent and Future Contract Rate
Fixed-price (includes fixed-price-award-fee; excludes other fixed-price incentive contracts)	(1) 50	(1) 50	(1) 25	25
Incentive (fixed-price or cost) (other than award fee)	(2)	(1) 50	(1) 50	25
Cost-reimbursement (includes cost-plus-award-fee; excludes	(3) 25	(3)	15	15

other cost-type incentive Contracts)				
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(1) The Contracting Officer may increase the Contractor's sharing rate to as high as 75 percent for each VECP.

(2) Same sharing arrangement as the contract's profit or fee adjustment formula.

(3) The Contracting Officer may increase the Contractor's sharing rate to as high as 50 percent for each VECP.

(g) Calculating net acquisition savings.

(1) Acquisition savings are realized when (i) the cost or price is reduced on the instant contract, (ii) reductions are negotiated in concurrent contracts, (iii) future contracts are awarded, or (iv) agreement is reached on a lump-sum payment for future contract savings (see subparagraph (i)(4) below). Net acquisition savings are first realized, and the Contractor shall be paid a share, when Government costs and any negative instant contract savings have been fully offset against acquisition savings.

(2) Except in incentive contracts, Government costs and any price or cost increases resulting from negative instant contract savings shall be offset against acquisition savings each time such savings are realized until they are fully offset. Then, the Contractor's share is calculated by multiplying net acquisition savings by the appropriate Contractor's percentage sharing rate (see paragraph (f) above). Additional Contractor shares of net acquisition savings shall be paid to the Contractor at the time realized.

(3) If this is an incentive contract, recovery of Government costs on the instant contract shall be deferred and offset against concurrent and future contract savings. The Contractor shall share through the contract incentive structure in savings on the instant contract items affected. Any negative instant contract savings shall be added to the target cost or to the target price and ceiling price, and the amount shall be offset against concurrent and future contract savings.

(4) If the Government does not receive and accept all items on which it paid the Contractor's share, the Contractor shall reimburse the Government for the proportionate share of these payments.

(h) Contract adjustment. The modification accepting the VECP (or a subsequent modification issued as soon as possible after any negotiations are completed) shall--

(1) Reduce the contract price or estimated cost by the amount of instant contract savings, unless this is an incentive contract;

(2) When the amount of instant contract savings is negative, increase the contract price, target price and ceiling price, target cost, or estimated cost by that amount;

(3) Specify the Contractor's dollar share per unit on future contracts, or provide the lump-sum payment;

(4) Specify the amount of any Government costs or negative instant contract savings to be offset in determining net acquisition savings realized from concurrent or future contract savings; and

(5) Provide the Contractor's share of any net acquisition savings under the instant contract in accordance with the following:

(i) Fixed-price contracts--add to contract price.

(ii) Cost-reimbursement contracts--add to contract fee.

(i) Concurrent and future contract savings.

(1) Payments of the Contractor's share of concurrent and future contract savings shall be made by a modification to the instant contract in accordance with subparagraph (h)(5) above. For incentive contracts, shares shall be added as a separate firm-fixed-price line item on the instant contract. The Contractor shall maintain records adequate to identify the first delivered unit for 3 years after final payment under this contract.

(2) The Contracting Officer shall calculate the Contractor's share of concurrent contract savings by (i) subtracting from the reduction in price negotiated on the concurrent contract any Government costs or negative instant contract savings not yet offset and (ii) multiplying the result by the Contractor's sharing rate.

(3) The Contracting Officer shall calculate the Contractor's share of future contract savings by (i) multiplying the future unit cost reduction by the number of future contract units scheduled for delivery during the sharing period, (ii) subtracting any Government costs or negative instant contract savings not yet offset, and (iii) multiplying the result by the Contractor's sharing rate.

(4) When the Government wishes and the Contractor agrees, the Contractor's share of future contract savings may be paid in a single lump sum rather than in a series of payments over time as future contracts are awarded. Under this alternate procedure, the future contract savings may be calculated when the VECP is accepted, on the basis of the Contracting Officer's forecast of the number of units that will be delivered during the sharing period. The Contractor's share shall be included in a modification to this contract (see subparagraph (h)(3) above) and shall not be subject to subsequent adjustment.

(5) Alternate no-cost settlement method. When, in accordance with subsection 48.104-4 of the Federal Acquisition Regulation, the Government and the Contractor mutually agree to use the no-cost settlement method, the following applies:

(i) The Contractor will keep all the savings on the instant contract and on its concurrent contracts only.

(ii) The Government will keep all the savings resulting from concurrent contracts placed on other sources, savings from all future contracts, and all collateral savings.

(j) Collateral savings. If a VECP is accepted, the Contracting Officer will increase the instant contract amount, as specified in paragraph (h)(5) of this clause, by a rate from 20 to 100 percent, as determined by the Contracting Officer, of any projected collateral savings determined to be realized in a typical year of use after subtracting any Government costs not previously offset. However, the Contractor's share of collateral savings will not exceed the contract's firm-fixed-price, target price, target cost, or estimated cost, at the time the VECP is accepted, or \$100,000, whichever is greater. The Contracting Officer will be the sole determiner of the amount of collateral savings.

(k) Relationship to other incentives. Only those benefits of an accepted VECP not rewardable under performance, design-to-cost (production unit cost, operating and support costs, reliability and maintainability), or similar incentives shall be rewarded under this clause. However, the targets of such incentives affected by the VECP shall not be adjusted because of VECP acceptance. If this contract specifies targets but provides no incentive to surpass them, the value engineering sharing shall apply only to the amount of achievement better than target.

(l) Subcontracts. The Contractor shall include an appropriate value engineering clause in any subcontract of \$100,000 or more and may include one in subcontracts of lesser value. In calculating any adjustment in this contract's price for instant contract savings (or negative instant contract savings), the Contractor's allowable development and implementation costs shall include any subcontractor's allowable development and implementation costs, and any value engineering incentive payments to a subcontractor, clearly resulting from a VECP accepted by the Government under this contract. The Contractor may choose any arrangement for subcontractor value engineering incentive payments; provided, that the payments shall not reduce the Government's share of concurrent or future contract savings or collateral savings.

(m) Data. The Contractor may restrict the Government's right to use any part of a VECP or the supporting data by marking the following legend on the affected parts:

"These data, furnished under the Value Engineering clause of contract , shall not be disclosed outside the Government or duplicated, used, or disclosed, in whole or in part, for any purpose other than to evaluate a value engineering change proposal submitted under the clause. This restriction does not limit the Government's right to use information contained in these data if it has been obtained or is otherwise available from the Contractor or from another source without limitations."

If a VECP is accepted, the Contractor hereby grants the Government unlimited rights in the VECP and supporting data, except that, with respect to data qualifying and submitted as limited rights technical data, the Government shall have the rights specified in the contract modification implementing the VECP and shall appropriately mark the data. (The terms "unlimited rights" and "limited rights" are defined in Part 27 of the Federal Acquisition Regulation.)

(End of clause)

52.249-2 TERMINATION FOR CONVENIENCE OF THE GOVERNMENT (FIXED-PRICE) (MAY 2004)

(a) The Government may terminate performance of work under this contract in whole or, from time to time, in part if the Contracting Officer determines that a termination is in the Government's interest. The Contracting Officer shall terminate by delivering to the Contractor a Notice of Termination specifying the extent of termination and the effective date.

(b) After receipt of a Notice of Termination, and except as directed by the Contracting Officer, the Contractor shall immediately proceed with the following obligations, regardless of any delay in determining or adjusting any amounts due under this clause:

(1) Stop work as specified in the notice.

(2) Place no further subcontracts or orders (referred to as subcontracts in this clause) for materials, services, or facilities, except as necessary to complete the continued portion of the contract.

(3) Terminate all subcontracts to the extent they relate to the work terminated.

(4) Assign to the Government, as directed by the Contracting Officer, all right, title, and interest of the Contractor under the subcontracts terminated, in which case the Government shall have the right to settle or to pay any termination settlement proposal arising out of those terminations.

(5) With approval or ratification to the extent required by the Contracting Officer, settle all outstanding liabilities and termination settlement proposals arising from the termination of subcontracts; the approval or ratification will be final for purposes of this clause.

(6) As directed by the Contracting Officer, transfer title and deliver to the Government (i) the fabricated or unfabricated parts, work in process, completed work, supplies, and other material produced or acquired for the work terminated, and (ii) the completed or partially completed plans, drawings, information, and other property that, if the contract had been completed, would be required to be furnished to the Government.

(7) Complete performance of the work not terminated.

(8) Take any action that may be necessary, or that the Contracting Officer may direct, for the protection and preservation of the property related to this contract that is in the possession of the Contractor and in which the Government has or may acquire an interest.

(9) Use its best efforts to sell, as directed or authorized by the Contracting Officer, any property of the types referred to in subparagraph (b)(6) of this clause; provided, however, that the Contractor (i) is not required to extend credit to any purchaser and (ii) may acquire the property under the conditions prescribed by, and at prices approved by, the Contracting Officer. The proceeds of any transfer or disposition will be applied to reduce any payments to be made by the

Government under this contract, credited to the price or cost of the work, or paid in any other manner directed by the Contracting Officer.

(c) The Contractor shall submit complete termination inventory schedules no later than 120 days from the effective date of termination, unless extended in writing by the Contracting Officer upon written request of the Contractor within this 120-day period.

(d) After expiration of the plant clearance period as defined in Subpart 49.001 of the Federal Acquisition Regulation, the Contractor may submit to the Contracting Officer a list, certified as to quantity and quality, of termination inventory not previously disposed of, excluding items authorized for disposition by the Contracting Officer. The Contractor may request the Government to remove those items or enter into an agreement for their storage. Within 15 days, the Government will accept title to those items and remove them or enter into a storage agreement. The Contracting Officer may verify the list upon removal of the items, or if stored, within 45 days from submission of the list, and shall correct the list, as necessary, before final settlement.

(e) After termination, the Contractor shall submit a final termination settlement proposal to the Contracting Officer in the form and with the certification prescribed by the Contracting Officer. The Contractor shall submit the proposal promptly, but no later than 1 year from the effective date of termination, unless extended in writing by the Contracting Officer upon written request of the Contractor within this 1-year period. However, if the Contracting Officer determines that the facts justify it, a termination settlement proposal may be received and acted on after 1 year or any extension. If the Contractor fails to submit the proposal within the time allowed, the Contracting Officer may determine, on the basis of information available, the amount, if any, due the Contractor because of the termination and shall pay the amount determined.

(f) Subject to paragraph (e) of this clause, the Contractor and the Contracting Officer may agree upon the whole or any part of the amount to be paid or remaining to be paid because of the termination. The amount may include a reasonable allowance for profit on work done. However, the agreed amount, whether under this paragraph (g) or paragraph (g) of this clause, exclusive of costs shown in subparagraph (g)(3) of this clause, may not exceed the total contract price as reduced by (1) the amount of payments previously made and (2) the contract price of work not terminated. The contract shall be modified, and the Contractor paid the agreed amount. Paragraph (g) of this clause shall not limit, restrict, or affect the amount that may be agreed upon to be paid under this paragraph.

(g) If the Contractor and the Contracting Officer fail to agree on the whole amount to be paid because of the termination of work, the Contracting Officer shall pay the Contractor the amounts determined by the Contracting Officer as follows, but without duplication of any amounts agreed on under paragraph (f) of this clause:

(1) The contract price for completed supplies or services accepted by the Government (or sold or acquired under subparagraph (b)(9) of this clause) not previously paid for, adjusted for any saving of freight and other charges.

(2) The total of--

(i) The costs incurred in the performance of the work terminated, including initial costs and preparatory expense allocable thereto, but excluding any costs attributable to supplies or services paid or to be paid under subparagraph (f)(1) of this clause;

(ii) The cost of settling and paying termination settlement proposals under terminated subcontracts that are properly chargeable to the terminated portion of the contract if not included in subdivision (g)(2)(i) of this clause; and

(iii) A sum, as profit on subdivision (g)(2)(i) of this clause, determined by the Contracting Officer under 49.202 of the Federal Acquisition Regulation, in effect on the date of this contract, to be fair and reasonable; however, if it appears that the Contractor would have sustained a loss on the entire contract had it been completed, the Contracting Officer shall allow no profit under this subdivision (iii) and shall reduce the settlement to reflect the indicated rate of loss.

(3) The reasonable costs of settlement of the work terminated, including--

(i) Accounting, legal, clerical, and other expenses reasonably necessary for the preparation of termination settlement proposals and supporting data;

(ii) The termination and settlement of subcontracts (excluding the amounts of such settlements); and

(iii) Storage, transportation, and other costs incurred, reasonably necessary for the preservation, protection, or disposition of the termination inventory.

(h) Except for normal spoilage, and except to the extent that the Government expressly assumed the risk of loss, the Contracting Officer shall exclude from the amounts payable to the Contractor under paragraph (g) of this clause, the fair value, as determined by the Contracting Officer, of property that is destroyed, lost, stolen, or damaged so as to become undeliverable to the Government or to a buyer.

(i) The cost principles and procedures of Part 31 of the Federal Acquisition Regulation, in effect on the date of this contract, shall govern all costs claimed, agreed to, or determined under this clause.

(j) The Contractor shall have the right of appeal, under the Disputes clause, from any determination made by the Contracting Officer under paragraph (e), (g), or (l) of this clause, except that if the Contractor failed to submit the termination settlement proposal or request for equitable adjustment within the time provided in paragraph (e) or (l), respectively, and failed to request a time extension, there is no right of appeal.

(k) In arriving at the amount due the Contractor under this clause, there shall be deducted--

(1) All unliquidated advance or other payments to the Contractor under the terminated portion of this contract;

(2) Any claim which the Government has against the Contractor under this contract; and

(3) The agreed price for, or the proceeds of sale of, materials, supplies, or other things acquired by the Contractor or sold under the provisions of this clause and not recovered by or credited to the Government.

(l) If the termination is partial, the Contractor may file a proposal with the Contracting Officer for an equitable adjustment of the price(s) of the continued portion of the contract. The Contracting Officer shall make any equitable adjustment agreed upon. Any proposal by the Contractor for an equitable adjustment under this clause shall be requested within 90 days from the effective date of termination unless extended in writing by the Contracting Officer.

(m)(1) The Government may, under the terms and conditions it prescribes, make partial payments and payments against costs incurred by the Contractor for the terminated portion of the contract, if the Contracting Officer believes the total of these payments will not exceed the amount to which the Contractor will be entitled.

(2) If the total payments exceed the amount finally determined to be due, the Contractor shall repay the excess to the Government upon demand, together with interest computed at the rate established by the Secretary of the Treasury under 50 U.S.C. App. 1215(b)(2). Interest shall be computed for the period from the date the excess payment is received by the Contractor to the date the excess is repaid. Interest shall not be charged on any excess payment due to a reduction in the Contractor's termination settlement proposal because of retention or other disposition of termination inventory until 10 days after the date of the retention or disposition, or a later date determined by the Contracting Officer because of the circumstances.

(n) Unless otherwise provided in this contract or by statute, the Contractor shall maintain all records and documents relating to the terminated portion of this contract for 3 years after final settlement. This includes all books and other evidence bearing on the Contractor's costs and expenses under this contract. The Contractor shall make these records and documents available to the Government, at the Contractor's office, at all reasonable times, without any direct charge. If approved by the Contracting Officer, photographs, microphotographs, or other authentic reproductions may be maintained instead of original records and documents.

(End of clause)

52.249-8 DEFAULT (FIXED-PRICE SUPPLY AND SERVICE) (APR 1984)

(a)(1) The Government may, subject to paragraphs (c) and (d) of this clause, by written notice of default to the Contractor, terminate this contract in whole or in part if the Contractor fails to--

(i) Deliver the supplies or to perform the services within the time specified in this contract or any extension;

(ii) Make progress, so as to endanger performance of this contract (but see subparagraph (a)(2) of this clause); or

(iii) Perform any of the other provisions of this contract (but see subparagraph (a)(2) below).

(2) The Government's right to terminate this contract under subdivisions (a)(1)(ii) and (1)(iii) of this clause, may be exercised if the Contractor does not cure such failure within 10 days (or more if authorized in writing by the Contracting Officer) after receipt of the notice from the Contracting Officer specifying the failure.

(b) If the Government terminates this contract in whole or in part, it may acquire, under the terms and in the manner the Contracting Officer considers appropriate, supplies or services similar to those terminated, and the Contractor will be liable to the Government for any excess costs for those supplies or services. However, the Contractor shall continue the work not terminated.

(c) Except for defaults of subcontractors at any tier, the Contractor shall not be liable for any excess costs if the failure to perform the contract arises from causes beyond the control and without the fault or negligence of the Contractor. Examples of such causes include (1) acts of God or of the public enemy, (2) acts of the Government in either its sovereign or contractual capacity, (3) fires, (4) floods, (5) epidemics, (6) quarantine restrictions, (7) strikes, (8) freight embargoes, and (9) unusually severe weather. In each instance the failure to perform must be beyond the control and without the fault or negligence of the Contractor.

(d) If the failure to perform is caused by the default of a subcontractor at any tier, and if the cause of the default is beyond the control of both the Contractor and subcontractor, and without the fault or negligence of either, the Contractor shall not be liable for any excess costs for failure to perform, unless the subcontracted supplies or services were obtainable from other sources in sufficient time for the Contractor to meet the required delivery schedule.

(e) If this contract is terminated for default, the Government may require the Contractor to transfer title and deliver to the Government, as directed by the Contracting Officer, any (1) completed supplies, and (2) partially completed supplies and materials, parts, tools, dies, jigs, fixtures, plans, drawings, information, and contract rights (collectively referred to as "manufacturing materials" in this clause) that the Contractor has specifically produced or acquired for the terminated portion of this contract. Upon direction of the Contracting Officer, the Contractor shall also protect and preserve property in its possession in which the Government has an interest.

(f) The Government shall pay contract price for completed supplies delivered and accepted. The Contractor and Contracting Officer shall agree on the amount of payment for manufacturing materials delivered and accepted and for the protection and preservation of the property. Failure to agree will be a dispute under the Disputes clause. The Government may withhold from these

amounts any sum the Contracting Officer determines to be necessary to protect the Government against loss because of outstanding liens or claims of former lien holders.

(g) If, after termination, it is determined that the Contractor was not in default, or that the default was excusable, the rights and obligations of the parties shall be the same as if the termination had been issued for the convenience of the Government.

(h) The rights and remedies of the Government in this clause are in addition to any other rights and remedies provided by law or under this contract.

(End of clause)

52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

<http://www.arnet.gov/far>

<http://farsite/hill.af.mil>

<http://www.dtic.mil/dfars>

(End of clause)

52.253-1 COMPUTER GENERATED FORMS (JAN 1991)

(a) Any data required to be submitted on a Standard or Optional Form prescribed by the Federal Acquisition Regulation (FAR) may be submitted on a computer generated version of the form, provided there is no change to the name, content, or sequence of the data elements on the form, and provided the form carries the Standard or Optional Form number and edition date.

(b) Unless prohibited by agency regulations, any data required to be submitted on an agency unique form prescribed by an agency supplement to the FAR may be submitted on a computer generated version of the form provided there is no change to the name, content, or sequence of the data elements on the form and provided the form carries the agency form number and edition date.

(d) If the Contractor submits a computer generated version of a form that is different than the required form, then the rights and obligations of the parties will be determined based on the content of the required form.

(End of clause)

252.203-7001 PROHIBITION ON PERSONS CONVICTED OF FRAUD OR OTHER DEFENSE-CONTRACT-RELATED FELONIES (MAR 1999)

(a) Definitions. As used in this clause—

(1) “Arising out of a contract with the DoD” means any act in connection with—

(i) Attempting to obtain;

(ii) Obtaining, or

(iii) Performing a contract or first-tier subcontract of any agency, department, or component of the Department of Defense (DoD).

(2) “Conviction of fraud or any other felony” means any conviction for fraud or a felony in violation of state or Federal criminal statutes, whether entered on a verdict or plea, including a plea of *nolo contendere*, for which sentence has been imposed.

(3) “Date of conviction” means the date judgment was entered against the individual.

(b) Any individual who is convicted after September 29, 1988, of fraud or any other felony arising out of a contract with the DoD is prohibited from serving--

(1) In a management or supervisory capacity on any DoD contract or first-tier subcontract;

(2) On the board of directors of any DoD contractor or first-tier subcontractor;

(3) As a consultant, agent, or representative for any DoD contractor or first-tier subcontractor; or

(4) In any other capacity with the authority to influence, advise, or control the decisions of any DoD contractor or subcontractor with regard to any DoD contract or first-tier subcontract.

(c) Unless waived, the prohibition in paragraph (b) of this clause applies for not less than 5 years from the date of conviction.

(d) 10 U.S.C. 2408 provides that a defense contractor or first-tier subcontractor shall be subject to a criminal penalty of not more than \$500,000 if convicted of knowingly—

(1) Employing a person under a prohibition specified in paragraph (b) of this clause; or

(2) Allowing such a person to serve on the board of directors of the contractor or first-tier subcontractor.

(e) In addition to the criminal penalties contained in 10 U.S.C. 2408, the Government may consider other available remedies, such as—

- (1) Suspension or debarment;
 - (2) Cancellation of the contract at no cost to the Government; or
 - (3) Termination of the contract for default.
- (f) The Contractor may submit written requests for waiver of the prohibition in paragraph (b) of this clause to the Contracting Officer. Requests shall clearly identify—
- (1) The person involved;
 - (2) The nature of the conviction and resultant sentence or punishment imposed;
 - (3) The reasons for the requested waiver; and
 - (4) An explanation of why a waiver is in the interest of national security.
- (g) The Contractor agrees to include the substance of this clause, appropriately modified to reflect the identity and relationship of the parties, in all first-tier subcontracts exceeding the simplified acquisition threshold in Part 2 of the Federal Acquisition Regulation, except those for commercial items or components.
- (h) Pursuant to 10 U.S.C. 2408(c), defense contractors and subcontractors may obtain information as to whether a particular person has been convicted of fraud or any other felony arising out of a contract with the DoD by contacting The Office of Justice Programs, The Denial of Federal Benefits Office, U.S. Department of Justice, telephone (202) 616-3507.

(End of clause)

252.204-7003 CONTROL OF GOVERNMENT PERSONNEL WORK PRODUCT (APR 1992)

The Contractor's procedures for protecting against unauthorized disclosure of information shall not require Department of Defense employees or members of the Armed Forces to relinquish control of their work products, whether classified or not, to the contractor.

(End of clause)

252.204-7004 REQUIRED CENTRAL CONTRACTOR REGISTRATION ALTERNATE A (NOV 2003)

(a) Definitions. As used in this clause--

“Central Contractor Registration (CCR) database” means the primary Government repository for contractor information required for the conduct of business with the Government.

“Commercial and Government Entity (CAGE) code” means--

(1) A code assigned by the Defense Logistics Information Service (DLIS) to identify a commercial or Government entity; or

(2) A code assigned by a member of the North Atlantic Treaty Organization that DLIS records and maintains in the CAGE master file. This type of code is known as an “NCAGE code.”

“Data Universal Numbering System (DUNS) number” means the 9-digit number assigned by Dun and Bradstreet, Inc. (D&B) to identify unique business entities.

“Data Universal Numbering System +4 (DUNS+4) number” means the DUNS number assigned by D&B plus a 4-character suffix that may be assigned by a business concern. (D&B has no affiliation with this 4-character suffix.) This 4-character suffix may be assigned at the discretion of the business concern to establish additional CCR records for identifying alternative Electronic Funds Transfer (EFT) accounts (see Subpart 32.11 of the Federal Acquisition Regulation) for the same parent concern.

“Registered in the CCR database” means that--

(1) The Contractor has entered all mandatory information, including the DUNS number or the DUNS+4 number, into the CCR database;

(2) The Contractor's CAGE code is in the CCR database; and

(3) The Government has validated all mandatory data fields and has marked the records “Active.”

(b)(1) By submission of an offer, the offeror acknowledges the requirement that a prospective awardee shall be registered in the CCR database prior to award, during performance, and through final payment of any contract, basic agreement, basic ordering agreement, or blanket purchasing agreement resulting from this solicitation.

(2) The offeror shall enter, in the block with its name and address on the cover page of its offer, the annotation “DUNS” or “DUNS +4” followed by the DUNS or DUNS +4 number that identifies the offeror's name and address exactly as stated in the offer. The DUNS number will be used by the Contracting Officer to verify that the offeror is registered in the CCR database.

(c) If the offeror does not have a DUNS number, it should contact Dun and Bradstreet directly to obtain one.

(1) An offeror may obtain a DUNS number--

(i) If located within the United States, by calling Dun and Bradstreet at 1-866-705-5711 or via the Internet at <http://www.dnb.com>; or

(ii) If located outside the United States, by contacting the local Dun and Bradstreet office.

(2) The offeror should be prepared to provide the following information:

(i) Company legal business.

(ii) Tradestyle, doing business, or other name by which your entity is commonly recognized.

(iii) Company Physical Street Address, City, State, and Zip Code.

(iv) Company Mailing Address, City, State and Zip Code (if separate from physical).

(v) Company Telephone Number.

(vi) Date the company was started.

(vii) Number of employees at your location.

(viii) Chief executive officer/key manager.

(ix) Line of business (industry).

(x) Company Headquarters name and address (reporting relationship within your entity).

(d) If the Offeror does not become registered in the CCR database in the time prescribed by the Contracting Officer, the Contracting Officer will proceed to award to the next otherwise successful registered Offeror.

(e) Processing time, which normally takes 48 hours, should be taken into consideration when registering. Offerors who are not registered should consider applying for registration immediately upon receipt of this solicitation.

(f) The Contractor is responsible for the accuracy and completeness of the data within the CCR database, and for any liability resulting from the Government's reliance on inaccurate or incomplete data. To remain registered in the CCR database after the initial registration, the Contractor is required to review and update on an annual basis from the date of initial registration or subsequent updates its information in the CCR database to ensure it is current, accurate and complete. Updating information in the CCR does not alter the terms and conditions of this contract and is not a substitute for a properly executed contractual document.

(g)(1)(i) If a Contractor has legally changed its business name, "doing business as" name, or division name (whichever is shown on the contract), or has transferred the assets used in

performing the contract, but has not completed the necessary requirements regarding novation and change-of-name agreements in Subpart 42.12, the Contractor shall provide the responsible Contracting Officer a minimum of one business day's written notification of its intention to (A) change the name in the CCR database; (B) comply with the requirements of Subpart 42.12 of the FAR; and (C) agree in writing to the timeline and procedures specified by the responsible Contracting Officer. The Contractor must provide with the notification sufficient documentation to support the legally changed name.

(ii) If the Contractor fails to comply with the requirements of paragraph (g)(1)(i) of this clause, or fails to perform the agreement at paragraph (g)(1)(i)(C) of this clause, and, in the absence of a properly executed novation or change-of-name agreement, the CCR information that shows the Contractor to be other than the Contractor indicated in the contract will be considered to be incorrect information within the meaning of the "Suspension of Payment" paragraph of the electronic funds transfer (EFT) clause of this contract.

(2) The Contractor shall not change the name or address for EFT payments or manual payments, as appropriate, in the CCR record to reflect an assignee for the purpose of assignment of claims (see FAR Subpart 32.8, Assignment of Claims). Assignees shall be separately registered in the CCR database. Information provided to the Contractor's CCR record that indicates payments, including those made by EFT, to an ultimate recipient other than that Contractor will be considered to be incorrect information within the meaning of the "Suspension of payment" paragraph of the EFT clause of this contract.

(h) Offerors and Contractors may obtain information on registration and annual confirmation requirements via the internet at <http://www.ccr.gov> or by calling 1-888-227-2423, or 269-961-5757.

(End of clause)

252.205-7000 PROVISION OF INFORMATION TO COOPERATIVE AGREEMENT HOLDERS (DEC 1991)

(a) Definition.

"Cooperative agreement holder" means a State or local government; a private, nonprofit organization; a tribal organization (as defined in section 4(c) of the Indian Self-Determination and Education Assistance Act (Pub. L. 93-268; 25 U.S.C. 450 (c))); or an economic enterprise (as defined in section 3(e) of the Indian Financing Act of 1974 (Pub. L. 93-362; 25 U.S.C. 1452(e))) whether such economic enterprise is organized for profit or nonprofit purposes; which has an agreement with the Defense Logistics Agency to furnish procurement technical assistance to business entities.

(b) The Contractor shall provide cooperative agreement holders, upon their request, with a list of those appropriate employees or offices responsible for entering into subcontracts under defense contracts. The list shall include the business address, telephone number, and area of responsibility of each employee or office.

(c) The Contractor need not provide the listing to a particular cooperative agreement holder more frequently than once a year.

(End of clause)

252.209-7004 SUBCONTRACTING WITH FIRMS THAT ARE OWNED OR CONTROLLED BY THE GOVERNMENT OF A TERRORIST COUNTRY (MAR 1998)

(a) Unless the Government determines that there is a compelling reason to do so, the Contractor shall not enter into any subcontract in excess of \$25,000 with a firm, or subsidiary of a firm, that is identified, on the List of Parties Excluded from Federal Procurement and Nonprocurement Programs, as being ineligible for the award of Defense contracts or subcontracts because it is owned or controlled by the government of a terrorist country.

(b) A corporate officer or a designee of the Contractor shall notify the Contracting Officer, in writing, before entering into a subcontract with a party that is identified, on the List of Parties Excluded from Federal Procurement and Nonprocurement Programs, as being ineligible for the award of Defense contracts or subcontracts because it is owned or controlled by the government of a terrorist country. The notice must include the name of the proposed subcontractor notwithstanding its inclusion on the List of Parties Excluded From Federal Procurement and Nonprocurement Programs.

(End of clause)

252.215-7000 PRICING ADJUSTMENTS (DEC 1991)

The term "pricing adjustment," as used in paragraph (a) of the clauses entitled "Price Reduction for Defective Cost or Pricing Data - Modifications," "Subcontractor Cost or Pricing Data," and "Subcontractor Cost or Pricing Data - Modifications," means the aggregate increases and/or decreases in cost plus applicable profits.

(End of clause)

252.219-7003 SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED SMALL BUSINESS SUBCONTRACTING PLAN (DOD CONTRACTS) (APR. 1996)

This clause supplements the Federal Acquisition Regulation 52.219-9, Small, Small Disadvantaged and Women-Owned Small Business Subcontracting Plan, clause of this contract.

(a) *Definitions. Historically black colleges and universities*, as used in this clause, means institutions determined by the Secretary of Education to meet the requirements of 34 CFR 608.2. The term also means any nonprofit research institution that was an integral part of such a college or university before November 14, 1986.

Minority institutions, as used in this clause, means institutions meeting the requirements of section 1046(3) of the Higher Education Act of 1965 (20 U.S.C. 1135d-5(3)). The term also includes Hispanic-serving institutions as defined in section 316(b)(1) of such Act (20 U.S.C. 1059c(b)(1)).

(b) Except for company or division-wide commercial items subcontracting plans, the term *small disadvantaged business*, when used in the FAR 52.219-9 clause, includes historically black colleges and universities and minority institutions, in addition to small disadvantaged business concerns.

(c) Work under the contract or its subcontracts shall be credited toward meeting the small disadvantaged business concern goal required by paragraph (d) of the FAR 52.219-9 clause when:

(1) It is performed on Indian lands or in joint venture with an Indian tribe or a tribally-owned corporation, and

(2) It meets the requirements of 10 U.S.C. 2323a.

(d) Subcontracts awarded to workshops approved by the Committee for Purchase from People Who are Blind or Severely Disabled (41 U.S.C. 46-48), may be counted toward the Contractor's small business subcontracting goal.

(e) A mentor firm, under the Pilot Mentor-Protege Program established under Section 831 of Pub. L. 101-510, as amended, may count toward its small disadvantaged business goal, subcontracts awarded--

(f) The master plan approval referred to in paragraph (f) of the FAR 52.219-9 clause is approval by the Contractor's cognizant contract administration activity.

(g) In those subcontracting plans which specifically identify small, small disadvantaged, and women-owned small businesses, the Contractor shall notify the Administrative Contracting Officer of any substitutions of firms that are not small, small disadvantaged, or women-owned small businesses for the firms listed in the subcontracting plan. Notifications shall be in writing

and shall occur within a reasonable period of time after award of the subcontract. Contractor-specified formats shall be acceptable.

(End of clause)

252.225-7001 BUY AMERICAN ACT AND BALANCE OF PAYMENTS PROGRAM
(APR 2003)

(a) Definitions. As used in this clause--

(1) Component means an article, material, or supply incorporated directly into an end product.

(2) Domestic end product means--

(i) An unmanufactured end product that has been mined or produced in the United States; or

(ii) An end product manufactured in the United States if the cost of its qualifying country components and its components that are mined, produced, or manufactured in the United States exceeds 50 percent of the cost of all its components. The cost of components includes transportation costs to the place of incorporation into the end product and U.S. duty (whether or not a duty-free entry certificate is issued). Scrap generated, collected, and prepared for processing in the United States is considered domestic. A component is considered to have been mined, produced, or manufactured in the United States (regardless of its source in fact) if the end product in which it is incorporated is manufactured in the United States and the component is of a class or kind for which the Government has determined that--

(A) Sufficient and reasonably available commercial quantities of a satisfactory quality are not mined, produced, or manufactured in the United States; or

(B) It is inconsistent with the public interest to apply the restrictions of the Buy American Act.

(3) End product means those articles, materials, and supplies to be acquired under this contract for public use.

(4) Foreign end product means an end product other than a domestic end product.

(5) Qualifying country means any country set forth in subsection 225.872-1 of the Defense Federal Acquisition Regulation Supplement.

(6) Qualifying country component means a component mined, produced, or manufactured in a qualifying country.

(7) Qualifying country end product means--

- (i) An unmanufactured end product mined or produced in a qualifying country; or
- (ii) An end product manufactured in a qualifying country if the cost of the following types of components exceeds 50 percent of the cost of all its components:

(A) Components mined, produced, or manufactured in a qualifying country.

(B) Components mined, produced, or manufactured in the United States.

(C) Components of foreign origin of a class or kind for which the Government has determined that sufficient and reasonably available commercial quantities of a satisfactory quality are not mined, produced, or manufactured in the United States.

(b) This clause implements the Buy American Act (41 U.S.C. Section 10a-d). Unless otherwise specified, this clause applies to all line items in the contract.

(c) The Contractor shall deliver only domestic end products unless, in its offer, it specified delivery of other end products in the Buy American Act--Balance of Payments Program Certificate provision of the solicitation. If the Contractor certified in its offer that it will deliver a qualifying country end product, the Contractor shall deliver a qualifying country end product or, at the Contractor's option, a domestic end product.

(d) The contract price does not include duty for end products or components for which the Contractor will claim duty-free entry.

(End of clause)

252.225-7002 QUALIFYING COUNTRY SOURCES AS SUBCONTRACTORS (APR 2003)

(a) Definition. Qualifying country, as used in this clause, means any country set forth in subsection 225.872-1 of the Defense Federal Acquisition Regulation (FAR) Supplement.

(b) Subject to the restrictions in section 225.872 of the Defense FAR Supplement, the Contractor shall not preclude qualifying country sources or U.S. sources from competing for subcontracts under this contract.

(End of clause)

252.225-7012 PREFERENCE FOR CERTAIN DOMESTIC COMMODITIES (JUN 2004)

(a) Definitions. As used in this clause--

(1) Component means any item supplied to the Government as part of an end product or of another component.

(2) End product means supplies delivered under a line item of this contract.

(3) United States means the 50 States, the District of Columbia, and outlying areas.

(4) U.S.-flag vessel means a vessel of the United States or belonging to the United States, including any vessel registered or having national status under the laws of the United States.

(b) The Contractor shall deliver under this contract only such of the following items, either as end products or components, that have been grown, reprocessed, reused, or produced in the United States:

(1) Food.

(2) Clothing.

(3) Tents, tarpaulins, or covers.

(4) Cotton and other natural fiber products.

(5) Woven silk or woven silk blends.

(6) Spun silk yarn for cartridge cloth.

(7) Synthetic fabric, and coated synthetic fabric, including all textile fibers and yarns that are for use in such fabrics.

(8) Canvas products.

(9) Wool (whether in the form of fiber or yarn or contained in fabrics, materials, or manufactured articles).

(10) Any item of individual equipment (Federal Supply Class 8465) manufactured from or containing fibers, yarns, fabrics, or materials listed in this paragraph (b).

(c) This clause does not apply--

(1) To items listed in section 25.104(a) of the Federal Acquisition Regulation (FAR), or other items for which the Government has determined that a satisfactory quality and sufficient quantity cannot be acquired as and when needed at U.S. market prices;

(2) To end products incidentally incorporating cotton, other natural fibers, or wool, for which the estimated value of the cotton, other natural fibers, or wool--

(i) Is not more than 10 percent of the total price of the end product; and (ii) Does not exceed the simplified acquisition threshold in FAR part 2;

(3) To waste and byproducts of cotton or wool fiber for use in the production of propellants and explosives;

(4) To foods, other than fish, shellfish, or seafood, that have been manufactured or processed in the United States, regardless of where the foods (and any component if applicable) were grown or produced. Fish, shellfish, or seafood manufactured or processed in the United States and fish, shellfish, or seafood contained in foods manufactured or processed in the United States shall be provided in accordance with paragraph (d) of this clause;

(5) To chemical warfare protective clothing produced in the countries listed in subsection 225.872-1 of the Defense FAR Supplement; or

(6) To fibers and yarns that are for use in synthetic fabric or coated synthetic fabric (but does apply to the synthetic or coated synthetic fabric itself), if--

(i) The fabric is to be used as a component of an end product that is not a textile product. Examples of textile products, made in whole or in part of fabric, include--

(A) Draperies, floor coverings, furnishings, and bedding (Federal Supply Group 72, Household and Commercial Furnishings and Appliances);

(B) Items made in whole or in part of fabric in Federal Supply Group 83, Textile/leather/furs/apparel/findings/ tents/flags, or Federal Supply Group 84, Clothing, Individual Equipment and Insignia;

(C) Upholstered seats (whether for household, office, or other use); and

(D) Parachutes (Federal Supply Class 1670); or

(ii) The fibers and yarns are para-aramid fibers and yarns manufactured in the Netherlands.

(d)(1) Fish, shellfish, and seafood delivered under this contract, or contained in foods delivered under this contract--

(i) Shall be taken from the sea by U.S.-flag vessels; or

(ii) If not taken from the sea, shall be obtained from fishing within the United States; and

(2) Any processing or manufacturing of the fish, shellfish, or seafood shall be performed on a U.S.-flag vessel or in the United States.

(End of clause)

252.225-7031 SECONDARY ARAB BOYCOTT OF ISRAEL (APR 2003)

(a) Definitions. As used in this provision--

(1) Foreign person means any person (including any individual, partnership, corporation, or other form of association) other than a United States person.

(2) United States person is defined in 50 U.S.C. App. 2415(2) and means--

(i) Any United States resident or national (other than an individual resident outside the United States who is employed by other than a United States person);

(ii) Any domestic concern (including any permanent domestic establishment of any foreign concern); and

(iii) Any foreign subsidiary or affiliate (including any permanent foreign establishment) of any domestic concern that is controlled in fact by such domestic concern.

(b) Certification. If the offeror is a foreign person, the offeror certifies, by submission of an offer, that it--

(1) Does not comply with the Secondary Arab Boycott of Israel; and

(2) Is not taking or knowingly agreeing to take any action, with respect to the Secondary Boycott of Israel by Arab countries, which 50 U.S.C. App. 2407(a) prohibits a United States person from taking.

(End of provision)

252.232-7003 ELECTRONIC SUBMISSION OF PAYMENT REQUESTS (JAN 2004)

(a) Definitions. As used in this clause--

(1) Contract financing payment and invoice payment have the meanings given in section 32.001 of the Federal Acquisition Regulation.

(2) Electronic form means any automated system that transmits information electronically from the initiating system to all affected systems. Facsimile, e-mail, and scanned documents are not acceptable electronic forms for submission of payment requests. However, scanned documents are acceptable when they are part of a submission of a payment request made using one of the electronic forms provided for in paragraph (b) of this clause.

(3) Payment request means any request for contract financing payment or invoice payment submitted by the Contractor under this contract.

(b) Except as provided in paragraph (c) of this clause, the Contractor shall submit payment requests using one of the following electronic forms:

(1) Wide Area WorkFlow-Receipt and Acceptance (WAWF-RA). Information regarding WAWF-RA is available on the Internet at <https://wawf.eb.mil>.

(2) Web Invoicing System (WInS). Information regarding WInS is available on the Internet at <https://ecweb.dfas.mil>.

(3) American National Standards Institute (ANSI) X.12 electronic data interchange (EDI) formats.

(i) Information regarding EDI formats is available on the Internet at <http://www.X12.org>.

(ii) EDI implementation guides are available on the Internet at <http://www.dfas.mil/ecedi>.

(4) Another electronic form authorized by the Contracting Officer.

(c) If the Contractor is unable to submit a payment request in electronic form, or DoD is unable to receive a payment request in electronic form, the Contractor shall submit the payment request using a method mutually agreed to by the Contractor, the Contracting Officer, the contract administration office, and the payment office.

(d) In addition to the requirements of this clause, the Contractor shall meet the requirements of the appropriate payment clauses in this contract when submitting payments requests.

(End of clause)

252.243-7001 PRICING OF CONTRACT MODIFICATIONS (DEC 1991)

When costs are a factor in any price adjustment under this contract, the contract cost principles and procedures in FAR part 31 and DFARS part 231, in effect on the date of this contract, apply.

252.243-7002 REQUESTS FOR EQUITABLE ADJUSTMENT (MAR 1998)

(a) The amount of any request for equitable adjustment to contract terms shall accurately reflect the contract adjustment for which the Contractor believes the Government is liable. The request shall include only costs for performing the change, and shall not include any costs that already have been reimbursed or that have been separately claimed. All indirect costs included in the

request shall be properly allocable to the change in accordance with applicable acquisition regulations.

(b) In accordance with 10 U.S.C. 2410(a), any request for equitable adjustment to contract terms that exceeds the simplified acquisition threshold shall bear, at the time of submission, the following certificate executed by an individual authorized to certify the request on behalf of the Contractor:

I certify that the request is made in good faith, and that the supporting data are accurate and complete to the best of my knowledge and belief.

(Official's Name)

(Title)

(c) The certification in paragraph (b) of this clause requires full disclosure of all relevant facts, including--

(1) Cost or pricing data if required in accordance with subsection 15.403-4 of the Federal Acquisition Regulation (FAR); and

(2) Information other than cost or pricing data, in accordance with subsection 15.403-3 of the FAR, including actual cost data and data to support any estimated costs, even if cost or pricing data are not required.

(d) The certification requirement in paragraph (b) of this clause does not apply to----

(1) Requests for routine contract payments; for example, requests for payment for accepted supplies and services, routine vouchers under a cost-reimbursement type contract, or progress payment invoices; or

(2) Final adjustment under an incentive provision of the contract.

252.247-7023 TRANSPORTATION OF SUPPLIES BY SEA (MAY 2002)

(a) Definitions. As used in this clause --

(1) "Components" means articles, materials, and supplies incorporated directly into end products at any level of manufacture, fabrication, or assembly by the Contractor or any subcontractor.

(2) "Department of Defense" (DoD) means the Army, Navy, Air Force, Marine Corps, and defense agencies.

- (3) "Foreign flag vessel" means any vessel that is not a U.S.-flag vessel.
- (4) "Ocean transportation" means any transportation aboard a ship, vessel, boat, barge, or ferry through international waters.
- (5) "Subcontractor" means a supplier, materialman, distributor, or vendor at any level below the prime contractor whose contractual obligation to perform results from, or is conditioned upon, award of the prime contract and who is performing any part of the work or other requirement of the prime contract.
- (6) "Supplies" means all property, except land and interests in land, that is clearly identifiable for eventual use by or owned by the DoD at the time of transportation by sea.
- (i) An item is clearly identifiable for eventual use by the DoD if, for example, the contract documentation contains a reference to a DoD contract number or a military destination.
- (ii) "Supplies" includes (but is not limited to) public works; buildings and facilities; ships; floating equipment and vessels of every character, type, and description, with parts, subassemblies, accessories, and equipment; machine tools; material; equipment; stores of all kinds; end items; construction materials; and components of the foregoing.
- (7) "U.S.-flag vessel" means a vessel of the United States or belonging to the United States, including any vessel registered or having national status under the laws of the United States.
- (b)(1) The Contractor shall use U.S.-flag vessels when transporting any supplies by sea under this contract.
- (2) A subcontractor transporting supplies by sea under this contract shall use U.S.-flag vessels if--
-
- (i) This contract is a construction contract; or
- (ii) The supplies being transported are--
- (A) Noncommercial items; or
- (B) Commercial items that--
- (1) The Contractor is reselling or distributing to the Government without adding value (generally, the Contractor does not add value to items that it contracts for f.o.b. destination shipment);
- (2) Are shipped in direct support of U.S. military contingency operations, exercises, or forces deployed in humanitarian or peacekeeping operations; or

(3) Are commissary or exchange cargoes transported outside of the Defense Transportation System in accordance with 10 U.S.C. 2643.

(c) The Contractor and its subcontractors may request that the Contracting Officer authorize shipment in foreign-flag vessels, or designate available U.S.-flag vessels, if the Contractor or a subcontractor believes that --

(1) U.S.-flag vessels are not available for timely shipment;

(2) The freight charges are inordinately excessive or unreasonable; or

(3) Freight charges are higher than charges to private persons for transportation of like goods.

(d) The Contractor must submit any request for use of other than U.S.-flag vessels in writing to the Contracting Officer at least 45 days prior to the sailing date necessary to meet its delivery schedules. The Contracting Officer will process requests submitted after such date(s) as expeditiously as possible, but the Contracting Officer's failure to grant approvals to meet the shipper's sailing date will not of itself constitute a compensable delay under this or any other clause of this contract. Requests shall contain at a minimum --

(1) Type, weight, and cube of cargo;

(2) Required shipping date;

(3) Special handling and discharge requirements;

(4) Loading and discharge points;

(5) Name of shipper and consignee;

(6) Prime contract number; and

(7) A documented description of efforts made to secure U.S.-flag vessels, including points of contact (with names and telephone numbers) with at least two U.S.-flag carriers contacted. Copies of telephone notes, telegraphic and facsimile message or letters will be sufficient for this purpose.

(e) The Contractor shall, within 30 days after each shipment covered by this clause, provide the Contracting Officer and the Maritime Administration, Office of Cargo Preference, U.S. Department of Transportation, 400 Seventh Street SW., Washington, DC 20590, one copy of the rated on board vessel operating carrier's ocean bill of lading, which shall contain the following information:

(1) Prime contract number;

(2) Name of vessel;

- (3) Vessel flag of registry;
- (4) Date of loading;
- (5) Port of loading;
- (6) Port of final discharge;
- (7) Description of commodity;
- (8) Gross weight in pounds and cubic feet if available;
- (9) Total ocean freight in U.S. dollars; and
- (10) Name of the steamship company.

(f) The Contractor shall provide with its final invoice under this contract a representation that to the best of its knowledge and belief--

- (1) No ocean transportation was used in the performance of this contract;
- (2) Ocean transportation was used and only U.S.-flag vessels were used for all ocean shipments under the contract;
- (3) Ocean transportation was used, and the Contractor had the written consent of the Contracting Officer for all non-U.S.-flag ocean transportation; or
- (4) Ocean transportation was used and some or all of the shipments were made on non-U.S.-flag vessels without the written consent of the Contracting Officer. The Contractor shall describe these shipments in the following format:

ITEM DESCRIPTION	CONTRACT LINE ITEMS	QUANTITY
_____	_____	_____
_____	_____	_____
_____	_____	_____
TOTAL	_____	_____

(g) If the final invoice does not include the required representation, the Government will reject and return it to the Contractor as an improper invoice for the purposes of the Prompt Payment clause of this contract. In the event there has been unauthorized use of non-U.S.-flag vessels in the performance of this contract, the Contracting Officer is entitled to equitably adjust the contract, based on the unauthorized use.

(h) In the award of subcontracts for the types of supplies described in paragraph (b)(2) of this clause, the Contractor shall flow down the requirements of this clause as follows:

(1) The Contractor shall insert the substance of this clause, including this paragraph (h), in subcontracts that exceed the simplified acquisition threshold in part 2 of the Federal Acquisition Regulation.

(2) The Contractor shall insert the substance of paragraphs (a) through (e) of this clause, and this paragraph (h), in subcontracts that are at or below the simplified acquisition threshold in part 2 of the Federal Acquisition Regulation.

(End of clause)

252.247-7023 TRANSPORTATION OF SUPPLIES BY SEA (MAY 2002) ALTERNATE III
(MAY 2002)

(a) Definitions. As used in this clause --

(1) "Components" means articles, materials, and supplies incorporated directly into end products at any level of manufacture, fabrication, or assembly by the Contractor or any subcontractor.

(2) "Department of Defense" (DoD) means the Army, Navy, Air Force, Marine Corps, and defense agencies.

(3) "Foreign flag vessel" means any vessel that is not a U.S.-flag vessel.

(4) "Ocean transportation" means any transportation aboard a ship, vessel, boat, barge, or ferry through international waters.

(5) "Subcontractor" means a supplier, materialman, distributor, or vendor at any level below the prime contractor whose contractual obligation to perform results from, or is conditioned upon, award of the prime contract and who is performing any part of the work or other requirement of the prime contract.

(6) "Supplies" means all property, except land and interests in land, that is clearly identifiable for eventual use by or owned by the DoD at the time of transportation by sea.

(i) An item is clearly identifiable for eventual use by the DoD if, for example, the contract documentation contains a reference to a DoD contract number or a military destination.

(ii) "Supplies" includes (but is not limited to) public works; buildings and facilities; ships; floating equipment and vessels of every character, type, and description, with parts, subassemblies, accessories, and equipment; machine tools; material; equipment; stores of all

kinds; end items; construction materials; and components of the foregoing.

(7) "U.S.-flag vessel" means a vessel of the United States or belonging to the United States, including any vessel registered or having national status under the laws of the United States.

(b)(1) The Contractor shall use U.S.-flag vessels when transporting any supplies by sea under this contract.

(2) A subcontractor transporting supplies by sea under this contract shall use U.S.-flag vessels if-

(i) This contract is a construction contract; or

(ii) The supplies being transported are--

(A) Noncommercial items; or

(B) Commercial items that--

(1) The Contractor is reselling or distributing to the Government without adding value (generally, the Contractor does not add value to items that it contracts for f.o.b. destination shipment);

(2) Are shipped in direct support of U.S. military contingency operations, exercises, or forces deployed in humanitarian or peacekeeping operations; or

(3) Are commissary or exchange cargoes transported outside of the Defense Transportation System in accordance with 10 U.S.C. 2643.

(c) The Contractor and its subcontractors may request that the Contracting Officer authorize shipment in foreign-flag vessels, or designate available U.S.-flag vessels, if the Contractor or a subcontractor believes that --

(1) U.S.-flag vessels are not available for timely shipment;

(2) The freight charges are inordinately excessive or unreasonable; or

(3) Freight charges are higher than charges to private persons for transportation of like goods.

(d) The Contractor must submit any request for use of other than U.S.-flag vessels in writing to the Contracting Officer at least 45 days prior to the sailing date necessary to meet its delivery schedules. The Contracting Officer will process requests submitted after such date(s) as expeditiously as possible, but the Contracting Officer's failure to grant approvals to meet the shipper's sailing date will not of itself constitute a compensable delay under this or any other clause of this contract. Requests shall contain at a minimum --

- (1) Type, weight, and cube of cargo;
- (2) Required shipping date;
- (3) Special handling and discharge requirements;
- (4) Loading and discharge points;
- (5) Name of shipper and consignee;
- (6) Prime contract number; and
- (7) A documented description of efforts made to secure U.S.-flag vessels, including points of contact (with names and telephone numbers) with at least two U.S.-flag carriers contacted. Copies of telephone notes, telegraphic and facsimile message or letters will be sufficient for this purpose.

(e) The Contractor shall, within 30 days after each shipment covered by this clause, provide the Contracting Officer and the Maritime Administration, Office of Cargo Preference, U.S. Department of Transportation, 400 Seventh Street SW., Washington, DC 20590, one copy of the rated on board vessel operating carrier's ocean bill of lading, which shall contain the following information:

- (1) Prime contract number;
- (2) Name of vessel;
- (3) Vessel flag of registry;
- (4) Date of loading;
- (5) Port of loading;
- (6) Port of final discharge;
- (7) Description of commodity;
- (8) Gross weight in pounds and cubic feet if available;
- (9) Total ocean freight in U.S. dollars; and
- (10) Name of the steamship company.

(f) The Contractor shall insert the substance of this clause, including this paragraph (f), in subcontracts that are for a type of supplies described in paragraph (b)(2) of this clause.

(End of clause)

252.247-7024 NOTIFICATION OF TRANSPORTATION OF SUPPLIES BY SEA (MAR 2000)

(a) The Contractor has indicated by the response to the solicitation provision, Representation of Extent of Transportation by Sea, that it did not anticipate transporting by sea any supplies. If, however, after the award of this contract, the Contractor learns that supplies, as defined in the Transportation of Supplies by Sea clause of this contract, will be transported by sea, the Contractor --

(1) Shall notify the Contracting Officer of that fact; and

(2) Hereby agrees to comply with all the terms and conditions of the Transportation of Supplies by Sea clause of this contract.

(b) The Contractor shall include this clause; including this paragraph (b), revised as necessary to reflect the relationship of the contracting parties--

(1) In all subcontracts under this contract, if this contract is a construction contract; or

(2) If this contract is not a construction contract, in all subcontracts under this contract that are for--

(i) Noncommercial items; or

(ii) Commercial items that--

(A) The Contractor is reselling or distributing to the Government without adding value (generally, the Contractor does not add value to items that it subcontracts for f.o.b. destination shipment);

(B) Are shipped in direct support of U.S. military contingency operations, exercises, or forces deployed in humanitarian or peacekeeping operations; or

(C) Are commissary or exchange cargoes transported outside of the Defense Transportation System in accordance with 10 U.S.C. 2643.

(End of clause)

PART III
LIST OF DOCS, EXHIBITS AND ATTACHMENTS
SECTION J

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PART III
LIST OF DOCS, EXHIBITS AND ATTACHMENTS
SECTION J

J01 CONTRACT AND REFERENCE DRAWINGS

The following drawings shall form a part of this solicitation.

A. Contract Drawing (CALs file)

Drawing No. 617-A215-01, GENERAL ARRANGEMENTS

B. Reference Drawings (.TIF files, not to scale)

Drawing No. 301-D170-01, DRYDOCKING (BLOCKING) PLAN

Drawing No. 398-H200-B001, MAIN DECK & BOTTOM PLATING

Drawing No. 398-H210-B005, RAKE DETAILS

Drawing No. 398-H210-B006, MISC STRUCTURAL DETAILS

Drawing No. 398-H250-B002, STOREROOM FLOORING

Drawing No. 398-H320-B001, MANHOLES, HATCHES & LADDERS

Drawing No. 398-H320-B002, MOORING ARRANGEMENT

Drawing No. F-LG 81/2, STRUCTURAL FRAMING

Drawing No. F-LG 81/5, RIGGING AND PAD EYES

C. Reference Drawing (.PDF file)

Drawing No. 665-C115-01, WEIGHT ESTIMATE

D. Reference Drawings (CALs files)

Drawing No. X001, COVER SHEET

Drawing No. X002, INDEX

Drawing No. S001, GENERAL NOTES

Drawing No. S002, ASSEMBLIES

Drawing No. UNIT A – TOP VIEW & DEMONSTRATION

Drawing No. UNIT A – UPSTREAM ELEV & SEC

Drawing No. UNIT A – DOWNSTREAM ELEV

Drawing No. UNIT A – UPSTREAM ELEV

Drawing No. UNIT A – QUOIN END SEC

Drawing No. UNIT A – CROSS SEC

Drawing No. UNIT A – MITER END SEAL DET

Drawing No. UNIT A - QUOIN END HOOD ELEV & SEC

Drawing No. UNIT A - QUOIN END HOOD SEC & PARTS

Drawing No. UNIT A - QUOIN END HOOD PARTS I
Drawing No. UNIT A - QUOIN END HOOD PARTS II
Drawing No. UNIT A - QUOIN END GUDEGEON PIN SECT & PARTS
Drawing No. UNIT A – PLAN & ELEV STRUT HOOD & PARTS
Drawing No. UNIT A – STRUT HOOD DETAILS
Drawing No. UNIT A – MISC PARTS
Drawing No. UNIT A – PICKUP DETAILS
Drawing No. UNIT A – MITER END DETAILS
Drawing No. UNIT A – BEARING CASTINGS
Drawing No. UNIT A – WALKWAY PLAN & ELEV
Drawing No. UNIT A – WALKWAY END DET
Drawing No. UNIT A – WALKWAY SUPPORT DET
Drawing No. UNIT A – WALKWAY DET
Drawing No. UNIT A – ELEV FENDERS
Drawing No. UNIT A – FENDER DET
Drawing No. UNIT C - ELEV & TOP VIEW
Drawing No. UNIT C – DOWNSTREAM ELEV QUOIN END
Drawing No. UNIT C - DOWNSTREAM ELEV MITER END
Drawing No. UNIT C - UPSTREAM ELEV MITER END
Drawing No. UNIT C - UPSTREAM ELEV QUOIN END
Drawing No. UNIT C – BOTTOM GIRDER
Drawing No. UNIT C - BOTTOM GIRDER SECTIONS & DET
Drawing No. UNIT C - SECTIONS
Drawing No. UNIT C – PINTLE DETAILS AND ASSEMBLY I
Drawing No. UNIT C - PINTLE DETAILS AND ASSEMBLY II
Drawing No. UNIT D - ELEV
Drawing No. UNIT D – PARTIAL UPSTREAM & DOWNSTREAM ELEV
Drawing No. UNIT D - SECTIONS
Drawing No. UNIT E - ELEV
Drawing No. UNIT E - PARTIAL UPSTREAM & DOWNSTREAM ELEV
Drawing No. UNIT E - SECTIONS
Drawing No. UNIT F - ELEV
Drawing No. UNIT F - PARTIAL UPSTREAM & DOWNSTREAM ELEV
Drawing No. UNIT F - SECTIONS
Drawing No. UNIT F - ELEV
Drawing No. UNIT G - DOWNSTREAM ELEV QUOIN END
Drawing No. UNIT G - DOWNSTREAM ELEV MITER END
Drawing No. UNIT G - UPSTREAM ELEV MITER END
Drawing No. UNIT G - UPSTREAM ELEV QUOIN END
Drawing No. UNIT G – SECTIONS I
Drawing No. UNIT G - SECTIONS II
Drawing No. UNIT H - ELEV
Drawing No. UNIT H - PARTIAL UPSTREAM & DOWNSTREAM ELEV
Drawing No. UNIT H – SECTIONS
Drawing No. ALL UNITS – TOP & BOTTOM VIEW
Drawing No. ALL UNITS – CONNECTION PARTS

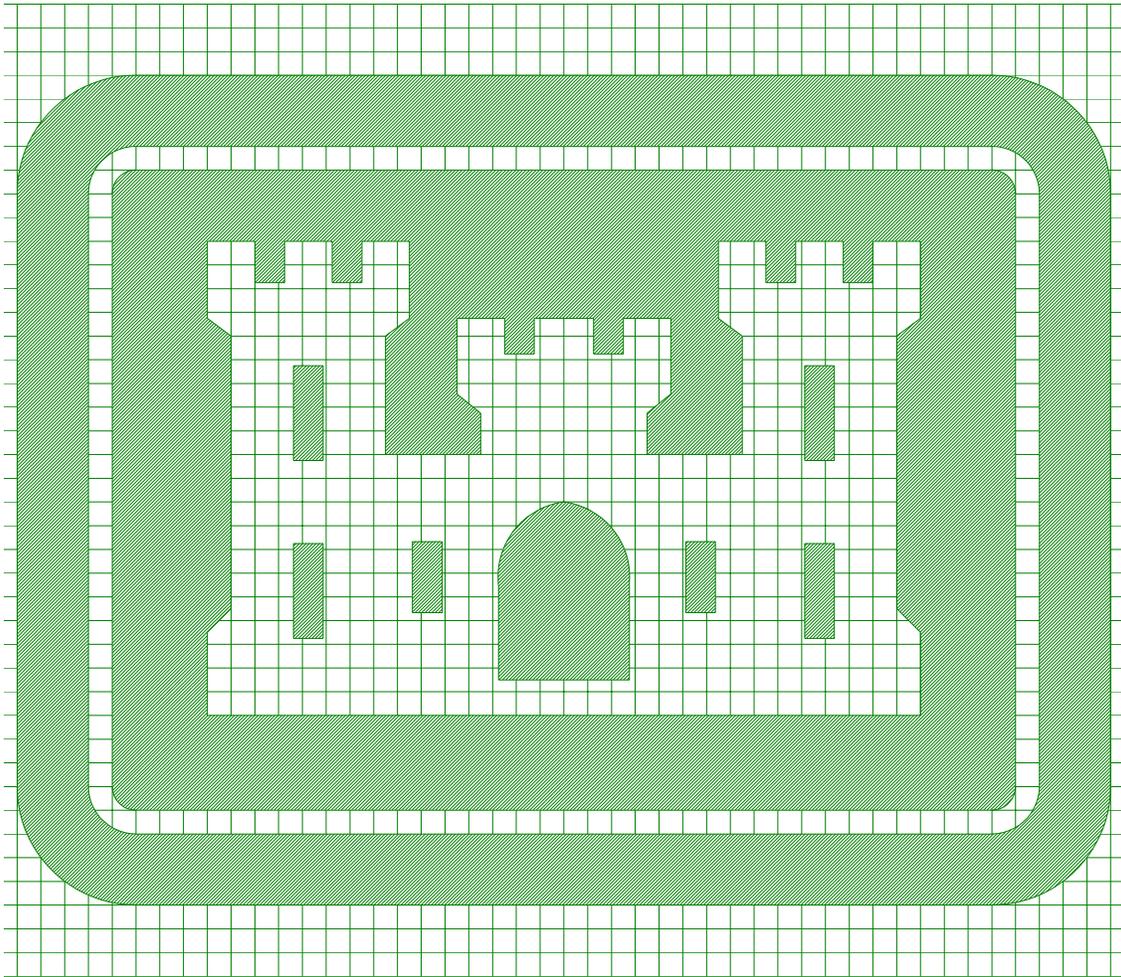
Drawing No. ALL UNITS – TIE DOWN HOLE & LUG
Drawing No. ALL UNITS – QUION SEAL DETAILS I
Drawing No. ALL UNITS – QUION SEAL DETAILS II
Drawing No. ALL UNITS – MITER SEAL DETAIL I

J02 **ENG FORM 2454**

The Contractor shall utilize the ENG Form 2454 for the Construction Plan required by Clause H06.

J03 COMMUNICATIONS MARK

The Contractor shall utilize the template provided below when fabricating the Corps Communication Mark as required in Clause C460 - NAMEPLATES, NOTICES AND MARKINGS.



COMMUNICATION MARK

J04 PERFORMANCE EVALUATION FOR SERVICE & SUPPLY CONTRACTS

In accordance with Federal Acquisition Regulations 42.15 and Engineer Regulation 7151-1 dated July 5, 1996, this contract action is subject to the requirement for contractor performance evaluation in the elements listed in the form enclosed at the end of this Section.

At a minimum, the performance evaluation shall be completed within 45 days of completion of each year's performance. Additional (Interim) evaluations may be prepared if any element listed is being performed unsatisfactorily.

The period of evaluation will begin on the date of acknowledgment of receipt of the Notice to Proceed and will run concurrent with the performance period of the contract.

Performance Assessment Report (PAR)

- Interim
 Final
 Addendum

Period Report: From _____ To _____

Section I

1a. Contractor:	2a. Contract Number:
Address:	2b. Modification Number:
	2c. Del/Task Order Number:
Place of Performance:	2d. Initial Value (Base + Options): \$
1b. Cage Code:	2e. Current Value: \$
1c. DUNS No.:	3a. Award Date:
	3b. Completion Date:

Section II

4a. Contractor POC:	4b. Gov't Contract Specialist:
Name:	Name:
Position/Title:	Address:
Address:	
Phone No.:	Phone No.:
FAX:	FAX:
E-Mail Address:	E-mail Address:

Section III

5. Method of Contract:				
<input type="checkbox"/> Sealed Bid				
<input type="checkbox"/> Negotiated				
6. Type of Contract: (Check all that apply)				
<input type="checkbox"/> FFP	<input type="checkbox"/> FPR[R]	<input type="checkbox"/> CS	<input type="checkbox"/> CPFF[T]	<input type="checkbox"/> Rqmts
<input type="checkbox"/> FFP-EPA	<input type="checkbox"/> FFP-LOE	<input type="checkbox"/> CPIF	<input type="checkbox"/> Labor Hour	<input type="checkbox"/> BOA
<input type="checkbox"/> FPIF	<input type="checkbox"/> T&M	<input type="checkbox"/> CPAF	<input type="checkbox"/> ID	<input type="checkbox"/> Letter
<input type="checkbox"/> FPR[P]	<input type="checkbox"/> CR	<input type="checkbox"/> CPFF[C]	<input type="checkbox"/> IQ	<input type="checkbox"/> Other
7. Socio-economic Program:				
<input type="checkbox"/> SBSA	<input type="checkbox"/> 8(a)	<input type="checkbox"/> SBIR	<input type="checkbox"/> SBCDP	<input type="checkbox"/> Other
8. Competition:				
<input type="checkbox"/> Full and Open Competition		<input type="checkbox"/> Sole Source	<input type="checkbox"/> Other	
9. Type of Supply/Services:				
<input type="checkbox"/> Commercial		<input type="checkbox"/> Non-Developmental	<input type="checkbox"/> Non-Commercial	

Section IV

10. Business Sector:		
<input type="checkbox"/> Space	<input type="checkbox"/> Ground Vehicles	<input type="checkbox"/> Information Technology
<input type="checkbox"/> Ordnance	<input type="checkbox"/> Shipbuilding	<input type="checkbox"/> Science & Technology
<input type="checkbox"/> Aircraft	<input type="checkbox"/> Other Systems	<input type="checkbox"/> Services
<input type="checkbox"/> Training System	<input type="checkbox"/> Operations Support	<input type="checkbox"/> Health Care Services
11a. FSCs:		
11b. SICs:		

12. Description of Requirement:

Section V

(All business Sectors other than Systems)

The rating assigned to an element/sub-element must be supported by narrative rationale. Narratives are required for all ratings, and must clearly convey to the contractor, as well as to a Government source selection official who is not familiar with the instant contract, why the rating was assigned. This is especially important for any rating above or below "satisfactory." Narratives should be supported by quantifiable or verifiable documentation. While larger or more complex efforts warrant greater detail, the guideline for any narrative is "clear and concise."

14a. Quality of Product/Service

Rating: (check one)

Narrative rationale: _____

- Exceptional
- Very Good
- Satisfactory
- Marginal
- Unsatisfactory

14b. Schedule

Rating: (check one)

Narrative rationale: _____

- Exceptional
- Very Good
- Satisfactory
- Marginal
- Unsatisfactory

14c. Cost Control

Rating: (check one)

Narrative rationale: _____

- Exceptional
- Very Good
- Satisfactory
- Marginal
- Unsatisfactory

14d. Business Relations

Rating: (check one)

Narrative rationale: _____

- Exceptional
- Very Good
- Satisfactory
- Marginal
- Unsatisfactory

14e. Management of Key Personnel

Rating: (check one)

- Exceptional
- Very Good
- Satisfactory
- Marginal
- Unsatisfactory

Narrative rationale: _____

14f. Other (Optional)

Rating: (check one)

- Exceptional
- Very Good
- Satisfactory
- Marginal
- Unsatisfactory

Narrative rationale: _____

Section VI

<p>15. Evaluator Name: Phone: FAX: E-Mail:</p>	<p>Signature: _____</p> <p>Date Approved by Evaluator: _____</p>
<p>16. Contracting Officer/PM Name: Phone: FAX: E-Mail:</p>	<p>Signature: _____</p> <p>Date Approved by Evaluator: _____</p>
<p>17. Agency Review Name: Phone: FAX: E-Mail:</p>	<p>Signature: _____</p> <p>Date Approved by Evaluator: _____</p>
<p>18. Contractor Review Name: Position/Title: Phone: FAX: E-Mail:</p>	<p>Comments provided? <input type="checkbox"/> Yes If YES, indicate number of <input type="checkbox"/> No pages attached ()</p> <p>Date of Receipt of Contractor Response: _____</p>
<p>19. Resolution Authority Name: Phone: FAX: E-Mail:</p>	<p>Date Referred: _____</p> <p>Date of Resolution: _____</p>
<p>20. Source Selection Availability Date of Final Review: _____</p>	<p>Date PAR entered into PPIMS: _____</p>

Section K - Representations, Certifications and Other Statements of Offerors

CLAUSES INCORPORATED BY FULL TEXT

52.203-2 CERTIFICATE OF INDEPENDENT PRICE DETERMINATION (APR 1985)

(a) The offeror certifies that --

(1) The prices in this offer have been arrived at independently, without, for the purpose of restricting competition, any consultation, communication, or agreement with any other offeror or competitor relating to –

(i) Those prices,

(ii) The intention to submit an offer, or

(iii) The methods of factors used to calculate the prices offered:

(2) The prices in this offer have not been and will not be knowingly disclosed by the offeror, directly or indirectly, to any other offeror or competitor before bid opening (in the case of a sealed bid solicitation) or contract award (in the case of a negotiated solicitation) unless otherwise required by law; and

(3) No attempt has been made or will be made by the offeror to induce any other concern to submit or not to submit an offer for the purpose of restricting competition.

(b) Each signature on the offer is considered to be a certification by the signatory that the signatory --

(1) Is the person in the offeror's organization responsible for determining the prices offered in this bid or proposal, and that the signatory has not participated and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision; or

(2) (i) Has been authorized, in writing, to act as agent for the following principals in certifying that those principals have not participated, and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision

_____ (insert full name of person(s) in the offeror's organization responsible for determining the prices offered in this bid or proposal, and the title of his or her position in the offeror's organization);

(ii) As an authorized agent, does certify that the principals named in subdivision (b)(2)(i) above have not participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) above; and

(iii) As an agent, has not personally participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision.

(c) If the offeror deletes or modifies subparagraph (a)(2) of this provision, the offeror must furnish with its offer a signed statement setting forth in detail the circumstances of the disclosure.

(End of clause)

52.203-11 CERTIFICATION AND DISCLOSURE REGARDING PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (APR 1991)

(a) The definitions and prohibitions contained in the clause, at FAR 52.203-12, Limitation on Payments to Influence Certain Federal Transactions, included in this solicitation, are hereby incorporated by reference in paragraph (b) of this Certification.

(b) The offeror, by signing its offer, hereby certifies to the best of his or her knowledge and belief that on or after December 23, 1989,--

(1) No Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress on his or her behalf in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment or modification of any Federal contract, grant, loan, or cooperative agreement;

(2) If any funds other than Federal appropriated funds (including profit or fee received under a covered Federal transaction) have been paid, or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress or an employee of a Member of Congress on his or her behalf in connection with this solicitation, the offeror shall complete and submit, with its offer, OMB standard form LLL, Disclosure of Lobbying Activities, to the Contracting Officer; and

(3) He or she will include the language of this certification in all subcontract awards at any tier and require that all recipients of subcontract awards in excess of \$100,000 shall certify and disclose accordingly.

(c) Submission of this certification and disclosure is a prerequisite for making or entering into this contract imposed by section 1352, title 31, United States Code. Any person who makes an expenditure prohibited under this provision, shall be subject to a civil penalty of not less than \$10,000, and not more than \$100,000, for each such failure.

(End of provision)

52.204-3 TAXPAYER IDENTIFICATION (OCT 1998)

(a) Definitions.

“Common parent,” as used in this provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

“Taxpayer Identification Number (TIN),” as used in this provision, means the number required by the Internal Revenue Service (IRS) to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

(b) All offerors must submit the information required in paragraphs (d) through (f) of this provision to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325(d), reporting requirements of 26 U.S.C. 6041, 6041A, and 6050M, and implementing regulations issued by the IRS. If the resulting contract is subject to the payment reporting requirements described in Federal Acquisition Regulation (FAR) 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

(c) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the Government (31 U.S.C. 7701(c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(d) Taxpayer Identification Number (TIN).

TIN: _____

TIN has been applied for.

TIN is not required because:

Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the United States and does not have an office or place of business or a fiscal paying agent in the United States;

Offeror is an agency or instrumentality of a foreign government;

Offeror is an agency or instrumentality of the Federal Government.

(e) Type of organization.

Sole proprietorship;

Partnership;

Corporate entity (not tax-exempt);

- Corporate entity (tax-exempt);
- Government entity (Federal, State, or local);
- Foreign government;
- International organization per 26 CFR 1.6049-4;
- Other _____

(f) Common parent.

Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this provision.

Name and TIN of common parent:

Name _____

TIN _____

(End of provision)

52.204-5 WOMEN-OWNED BUSINESS (OTHER THAN SMALL BUSINESS) (MAY 1999)

(a) Definition. Women-owned business concern, as used in this provision, means a concern that is at least 51 percent owned by one or more women; or in the case of any publicly owned business, at least 51 percent of its stock is owned by one or more women; and whose management and daily business operations are controlled by one or more women.

(b) Representation. [Complete only if the offeror is a women-owned business concern and has not represented itself as a small business concern in paragraph (b)(1) of FAR 52.219-1, Small Business Program Representations, of this solicitation.] The offeror represents that it () is a women-owned business concern.

(End of provision)

52.209-5 CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, AND OTHER RESPONSIBILITY MATTERS (DEC 2001)

(a)(1) The Offeror certifies, to the best of its knowledge and belief, that-

(i) The Offeror and/or any of its Principals-

(A) Are () are not () presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;

(B) Have () have not (), within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and

(C) Are () are not () presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in paragraph (a)(1)(i)(B) of this provision.

(ii) The Offeror has () has not (), within a three-year period preceding this offer, had one or more contracts terminated for default by any Federal agency.

(2) "Principals," for the purposes of this certification, means officers; directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).

This Certification Concerns a Matter Within the Jurisdiction of an Agency of the United States and the Making of a False, Fictitious, or Fraudulent Certification May Render the Maker Subject to Prosecution Under Section 1001, Title 18, United States Code.

(b) The Offeror shall provide immediate written notice to the Contracting Officer if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

(c) A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by the Contracting Officer may render the Offeror nonresponsible.

(d) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

(e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to other remedies available to the

Government, the Contracting Officer may terminate the contract resulting from this solicitation for default.

(End of provision)

52.219-1 SMALL BUSINESS PROGRAM REPRESENTATIONS (MAY 2004) -
ALTERNATE I (APR 2002)

(a)(1) The North American Industry Classification System (NAICS) code for this acquisition is 336611.

(2) The small business size standard is 1,000 employees.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) Representations. (1) The offeror represents as part of its offer that it () is, () is not a small business concern.

(2) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, for general statistical purposes, that it () is, () is not a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it () is, () is not a women-owned small business concern.

(4) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it () is, () is not a veteran-owned small business concern.

(5) (Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (b)(4) of this provision.) The offeror represents as part of its offer that it () is, () is not a service-disabled veteran-owned small business concern.

(6) [Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.] The offeror represents, as part of its offer, that--

(i) It () is, () is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and

(ii) It () is, () is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (b)(6)(i) of this provision is accurate for the HUBZone small business concern or concerns that are participating in the joint venture. (The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture: _____.) Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(7) (Complete if offeror represented itself as disadvantaged in paragraph (b)(2) of this provision.) The offeror shall check the category in which its ownership falls:

_____ Black American.

_____ Hispanic American.

_____ Native American (American Indians, Eskimos, Aleuts, or Native Hawaiians).

_____ Asian-Pacific American (persons with origins from Burma, Thailand, Malaysia, Indonesia, Singapore, Brunei, Japan, China, Taiwan, Laos, Cambodia (Kampuchea), Vietnam, Korea, The Philippines, U.S. Trust Territory of the Pacific Islands (Republic of Palau), Republic of the Marshall Islands, Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, Guam, Samoa, Macao, Hong Kong, Fiji, Tonga, Kiribati, Tuvalu, or Nauru).

_____ Subcontinent Asian (Asian-Indian) American (persons with origins from India, Pakistan, Bangladesh, Sri Lanka, Bhutan, the Maldives Islands, or Nepal).

_____ Individual/concern, other than one of the preceding.

(c) Definitions. As used in this provision--

Service-disabled veteran-owned small business concern--

(1) Means a small business concern--

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a service-disabled veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

"Small business concern," means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and the size standard in paragraph (a) of this provision.

Veteran-owned small business concern means a small business concern--

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

"Women-owned small business concern," means a small business concern --

(1) That is at least 51 percent owned by one or more women or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; or

(2) Whose management and daily business operations are controlled by one or more women.

(d) Notice.

(1) If this solicitation is for supplies and has been set aside, in whole or in part, for small business concerns, then the clause in this solicitation providing notice of the set-aside contains restrictions on the source of the end items to be furnished.

(2) Under 15 U.S.C. 645(d), any person who misrepresents a firm's status as a small, HUBZone small, small disadvantaged, or women-owned small business concern in order to obtain a contract to be awarded under the preference programs established pursuant to section 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall--

(i) Be punished by imposition of fine, imprisonment, or both;

(ii) Be subject to administrative remedies, including suspension and debarment; and

(iii) Be ineligible for participation in programs conducted under the authority of the Act.

(End of provision)

52.222-22 PREVIOUS CONTRACTS AND COMPLIANCE REPORTS (FEB 1999)

The offeror represents that --

(a) () It has, () has not participated in a previous contract or subcontract subject to the Equal Opportunity clause of this solicitation;

(b) () It has, () has not, filed all required compliance reports; and

(c) Representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained before subcontract awards.

(End of provision)

52.222-25 AFFIRMATIVE ACTION COMPLIANCE (APR 1984)

The offeror represents that

(a) [] it has developed and has on file, [] has not developed and does not have on file, at each establishment, affirmative action programs required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2), or

(b) [] has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

(End of provision)

52.222-38 COMPLIANCE WITH VETERANS' EMPLOYMENT REPORTING REQUIREMENTS (DEC 2001)

By submission of its offer, the offeror represents that, if it is subject to the reporting requirements of 38 U.S.C. 4212(d) (i.e., if it has any contract containing Federal Acquisition Regulation clause 52.222-37, Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans), it has submitted the most recent VETS-100 Report required by that clause.

(End of provision)

52.223-13 CERTIFICATION OF TOXIC CHEMICAL RELEASE REPORTING (AUG 2003)

(a) Executive Order 13148, of April 21, 2000, Greening the Government through Leadership in Environmental Management, requires submission of this certification as a prerequisite for contract award.

(b) By signing this offer, the offeror certifies that--

(1) As the owner or operator of facilities that will be used in the performance of this contract that are subject to the filing and reporting requirements described in section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) (42 U.S.C. 11023) and section 6607 of the Pollution Prevention Act of 1990 (PPA) (42 U.S.C. 13106), the offeror will file and continue to file for such facilities for the life of the contract the Toxic Chemical Release Inventory Form (Form R) as described in sections 313(a) and (g) of EPCRA and section 6607 of PPA; or

(2) None of its owned or operated facilities to be used in the performance of this contract is subject to the Form R filing and reporting requirements because each such facility is exempt for at least one of the following reasons: (Check each block that is applicable.)

(i) The facility does not manufacture, process, or otherwise use any toxic chemicals listed in 40 CFR 372.65;

(ii) The facility does not have 10 or more full-time employees as specified in section 313.(b)(1)(A) of EPCRA 42 U.S.C. 11023(b)(1)(A);

(iii) The facility does not meet the reporting thresholds of toxic chemicals established under section 313(f) of EPCRA, 42 U.S.C. 11023(f) (including the alternate thresholds at 40 CFR 372.27, provided an appropriate certification form has been filed with EPA);

(iv) The facility does not fall within the following Standard Industrial Classification (SIC) codes or their corresponding North American Industry Classification System sectors:

(A) Major group code 10 (except 1011, 1081, and 1094).

(B) Major group code 12 (except 1241).

(C) Major group codes 20 through 39.

(D) Industry code 4911, 4931, or 4939 (limited to facilities that combust coal and/or oil for the purpose of generating power for distribution in commerce).

(E) Industry code 4953 (limited to facilities regulated under the Resource Conservation and Recovery Act, Subtitle C (42 U.S.C. 6921, et seq.), 5169, 5171, or 7389 (limited to facilities primarily engaged in solvent recovery services on a contract or fee basis); or

(v) The facility is not located within the United States or its outlying areas.

(End of clause)

(a) "Definitions."

As used in this provision --

(a) "Government of a terrorist country" includes the state and the government of a terrorist country, as well as any political subdivision, agency, or instrumentality thereof.

(2) "Terrorist country" means a country determined by the Secretary of State, under section 6(j)(1)(A) of the Export Administration Act of 1979 (50 U.S.C. App. 2405(j)(i)(A)), to be a country the government of which has repeatedly provided support for such acts of international terrorism. As of the date of this provision, terrorist countries include: Cuba, Iran, Iraq, Libya, North Korea, Sudan, and Syria.

(3) "Significant interest" means --

(i) Ownership of or beneficial interest in 5 percent or more of the firm's or subsidiary's securities. Beneficial interest includes holding 5 percent or more of any class of the firm's securities in "nominee shares," "street names," or some other method of holding securities that does not disclose the beneficial owner;

(ii) Holding a management position in the firm, such as a director or officer;

(iii) Ability to control or influence the election, appointment, or tenure of directors or officers in the firm;

(iv) Ownership of 10 percent or more of the assets of a firm such as equipment, buildings, real estate, or other tangible assets of the firm; or

(v) Holding 50 percent or more of the indebtedness of a firm.

(b) "Prohibition on award."

In accordance with 10 U.S.C. 2327, no contract may be awarded to a firm or a subsidiary of a firm if the government of a terrorist country has a significant interest in the firm or subsidiary or, in the case of a subsidiary, the firm that owns the subsidiary, unless a waiver is granted by the Secretary of Defense.

(c) "Disclosure."

If the government of a terrorist country has a significant interest in the Offeror or a subsidiary of the Offeror, the Offeror shall disclose such interest in an attachment to its offer. If the Offeror is a subsidiary, it shall also disclose any significant interest the government of a terrorist country has in any firm that owns or controls the subsidiary. The disclosure shall include --

(1) Identification of each government holding a significant interest; and

(2) A description of the significant interest held by each government.

(End of provision)

252.225-7000 BUY AMERICAN ACT--BALANCE OF PAYMENTS PROGRAM
CERTIFICATE (APR 2003)

(a) Definitions. Domestic end product, foreign end product, qualifying country, and qualifying country end product have the meanings given in the Buy American Act and Balance of Payments Program clause of this solicitation.

(b) Evaluation. The Government--

(1) Will evaluate offers in accordance with the policies and procedures of Part 225 of the Defense Federal Acquisition Regulation Supplement; and

(2) Will evaluate offers of qualifying country end products without regard to the restrictions of the Buy American Act or the Balance of Payments Program.

(c) Certifications and identification of country of origin.

(1) For all line items subject to the Buy American Act and Balance of Payments Program clause of this solicitation, the offeror certifies that--

(i) Each end product, except those listed in paragraph (c)(2) or (3) of this provision, is a domestic end product; and

(ii) Components of unknown origin are considered to have been mined, produced, or manufactured outside the United States or a qualifying country.

(2) The offeror certifies that the following end products are qualifying country end products:

(Line Item Number Country of Origin)

(Country of Origin)

(3) The following end products are other foreign end products:

(Line Item Number)

(Country of Origin) (If known)

(End of provision)

252.247-7022 REPRESENTATION OF EXTENT OF TRANSPORTATION BY SEA (AUG 1992)

(a) The Offeror shall indicate by checking the appropriate blank in paragraph (b) of this provision whether transportation of supplies by sea is anticipated under the resultant contract. The term supplies is defined in the Transportation of Supplies by Sea clause of this solicitation.

(b) Representation. The Offeror represents that it:

____ (1) Does anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

____ (2) Does not anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

(c) Any contract resulting from this solicitation will include the Transportation of Supplies by Sea clause. If the Offeror represents that it will not use ocean transportation, the resulting contract will also include the Defense FAR Supplement clause at 252.247-7024, Notification of Transportation of Supplies by Sea.

(End of provision)

SMALL, VETERAN-OWNED SMALL, SERVICE-DISABLED VETERAN-OWNED SMALL, HUBZONE
SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED SMALL BUSINESS SUBCONTRACTING
PLAN

DATE: _____

CONTRACTOR: _____

ADDRESS: _____

SOLICITATION OR CONTRACT NUMBER: _____

ITEM/SERVICE: _____

The following, together with any attachments, is hereby submitted as a Subcontracting Plan to satisfy the applicable requirements of Public Law 95-507 as implemented by OFPP Policy Letter 80-2. NOTE: To assist you in preparing your subcontracting plan, the U.S. Army Corps of Engineers considers the following goals reasonable and achievable for fiscal year 2003:

- (a) Small Business: 57.2% of total planned subcontracting dollars
- (b) Small Disadvantaged Businesses (SDB), including Historically Black Colleges and Universities or Minority Institutions: 8.9% of total planned subcontracting dollars*
- (c) Women-owned small businesses (WOSB), 8.1% of total planned subcontracting dollars*
- (d) Hubzone Small Business (HubSB), 3.0% of total planned subcontracting dollars *
- (e) Service-Disabled Veteran-Owned 3.0% of total planned subcontracting dollars *

*small business concerns owned and controlled by.

(d) (a) The following percentage goals (expressed in terms of a percentage of total planned subcontracting dollars) are applicable to the contract cited above or to the contract awarded under the solicitation cited.

(i) Small Business Concerns: _____% of total planned subcontracting dollars under this contract will go to subcontractors who are small business concerns.

(ii) Service-Disabled Veteran-Owned Small Business Concerns: _____% of total planned subcontracting dollars under this contract will go to subcontractors who are service-disabled veteran-owned small business concerns.

(iii) HUBZone Small Business Concerns: _____% of total planned subcontracting dollars under this contract will go to subcontractors who are small business concerns located in a historically underutilized business zone which is an area located within one or more qualified census tracts, qualified nonmetropolitan counties, or lands within the external boundaries of an

Indian reservation and appear on the List of Qualified HUBZone Small Business Concerns maintained by the SBA. (<http://www.sba.gov/hubzone/>).

(iv) Small Disadvantaged Business Concerns: _____% of total planned subcontracting dollars under this contract will go to subcontractors who are small concerns owned and controlled by socially and economically disadvantaged individuals. This percentage is included in the percentage shown under 1.(a)(i) above, as a subset.

(v) Women-Owned Small Business Concerns: _____% of total planned subcontracting dollars under this contract will go to subcontractors who are women-owned small business concerns. This percentage is included in the percentage shown under 1.(a)(i) above, as a subset.

(b) The following dollar values correspond to the percentage goals shown in (a) above.

(i) Total dollars planned to be subcontracted to small business concerns:
\$ _____.

(ii) Total dollars planned to be subcontracted to service-disabled veteran-owned small business concerns:
\$ _____.

(iii) Total dollars planned to be subcontracted to HUBZone small business concerns:
\$ _____.

(iv) Total dollars planned to be subcontracted to small disadvantaged business concerns:
\$ _____. This dollar amount is included in the amount shown under 1.(b)(i) above, as a subset.

(v) Total dollars planned to be subcontracted to women-owned small business concerns:
\$ _____. This dollar amount is included in the amount shown under 1.(b)(i) above, as a subset.

(c) The total estimated dollar value of all planned subcontracting (to all types of business concerns) under this contract is \$ _____.

(d) The following principal products and/or services will be subcontracted under this contract, and the distribution among small, service-disabled veteran-owned small, HUBZone small business, small disadvantaged, and women-owned small business concerns is as follows:

(Products/services planned to be subcontracted to small business concerns are identified by *, service disabled veteran-owned small business concerns by **, HUBZone small business concerns by ***, small disadvantaged business concerns by **** and women-owned small business concerns by *****)

(Attachment may be used if additional space is required)

(e) The following method was used in developing subcontract goals (i.e., statement explaining how the product and service areas to be subcontracted were established, how the areas to be subcontracted to small, service-disabled veteran-owned small, HUBZone small, small disadvantaged, and women-owned small business concerns were determined, and how small, service-disabled veteran-owned small, HUBZone small, small disadvantaged, and women-owned small business concerns capabilities were determined, to include identification of source lists utilized in making those determination).

(f) Indirect and over head costs [] have [] have not been included in the goals specified in 1(a) and 1(b).

(g) If “have” is checked, explain the method used in determining the proportionate share of indirect and overhead cost to be allocated as subcontracts to small business concerns, service-disabled veteran-owned small, HUBZone small business concerns, small disadvantaged business concerns, and women-owned small business concerns.

2. The following individual will administer the subcontracting program:

Name: _____
Address & Telephone: _____
Telephone: _____

This individual’s specific duties, as they relate to the firm’s subcontracting program are as follows:

General overall responsibility for this company’s Small Business Program, the development, preparation and execution of individual subcontracting plans and for monitoring performance relative to contractual subcontracting requirements contained in this plan, including but not limited to:

(a) Developing and maintaining bidders lists of small, service-disabled veteran-owned small, HUBZone small, small disadvantaged, and women-owned small business concerns from all possible sources.

(b) Ensuring that procurement packages are structured to permit small, service-disabled veteran-owned small, HUBZone small, small disadvantaged, and women-owned business concerns to participate to the maximum extent possible.

(c) Assuring inclusion of small, service-disabled veteran-owned small, HUBZone small, small disadvantaged, and women-owned business concerns in all solicitations for products or services which they are capable of providing.

(d) Reviewing solicitations to remove statements, clauses, etc., which may tend to restrict or prohibit small, service-disabled veteran-owned small, HUBZone small, small disadvantaged, and women-owned business participation.

(e) Ensuring periodic rotation of potential subcontractors on bidders lists.

(f) Ensuring that the bid proposal review board documents its reasons for rejecting low bids submitted by small, service-disabled veteran-owned small, HUBZone small, small disadvantaged, and women-owned business concerns.

(g) Ensuring the establishment and maintenance of records of solicitations and subcontract award activity.

(h) Attending or arranging for attendance of company counselors at Business Opportunity Workshops, Minority Business Enterprise Seminars, Trade Fairs, etc.

(i) Conducting or arranging for conduct of motivational training for purchasing personnel pursuant to the intent of P.O. 95-507.

(j) Monitoring attainment of proposed goals.

(k) Preparing and submitting periodic subcontracting reports required.

(l) Coordinating contractor's activities during the conduct of compliance reviews by Federal Agencies.

(m) Coordinating the conduct of contractor's activities involving its small, service-disabled veteran-owned small, HUBZone small, small disadvantaged, and women-owned business subcontracting program.

(n) Additions to (or deletions from) the duties specified above are as follows:

3. The following efforts will be taken to assure that small, service-disabled veteran-owned small, HUBZone small, small disadvantaged, and women-owned business concerns will have an equitable opportunity to compete for subcontracts:

(a) Outreach efforts will be made as follows:

- (i) Contacts with minority and small business trade associations
- (ii) Contacts with business development organizations
- (iii) Attendance at small and minority business procurement conferences
- (iv) Sources will be requested from SBA's PASS system.

(b) The following internal efforts will be made to guide and encourage buyers:

- (i) Workshops, seminars and training programs will be conducted
- (ii) Activities will be monitored to evaluate compliance with this subcontracting plan.

(c) Small, service-disabled veteran-owned small, HUBZone small, small disadvantaged, and women-owned business concern source lists, guides and other data identifying small, service-disabled veteran-owned small, HUBZone small, small disadvantaged, and women-owned business concerns will be maintained and utilized by buyers in soliciting subcontracts.

(d) Additions to (or deletions from) the above listed efforts are as follows:

4. The bidder (contractor) agrees that the clause entitled Utilization of Small Business Concerns (FAR 52.219-8) will be included in all subcontracts which offer further subcontracting opportunities, and all subcontractors except small business concerns who receive subcontracts in excess of \$500,000 will be required to adopt and comply with a subcontracting plan similar to this one. Such plans will be reviewed by comparing them with the provisions of Public Law 95-507, and assuring that all minimum requirements of an acceptable subcontracting plan have been satisfied. The acceptability of percentage goals shall be determined on a case-by-case basis depending on the supplies/services involved, the availability of potential small, service-disabled veteran-owned small, HUBZone small, small disadvantaged, and women-owned subcontractors, and prior experience. Once approved and implemented, plans will be monitored through the submission of periodic reports, and/or, as time and availability of funds permit, periodic visits to subcontractors facilities to review applicable records and subcontracting program progress.

5. The bidder (contractor) agrees to submit such periodic reports and cooperate in any studies or surveys as may be required by the contracting agency or the Small business Administration in order to determine the extent of compliance by the bidder with the subcontracting plan and with the clause entitled Utilization of Small Business Concerns, contained in the contract.

6. The bidder (contractor) agrees that he will maintain at least the following types of records to document compliance with this subcontracting plan:

(a) Small, service-disabled veteran-owned small, HUBZone Small, Small Disadvantaged, and Women-Owned Business concern source lists, guides and other data identifying SB/HZSB/SDB/WO vendors.

(b) Organizations contacted for small, service-disabled veteran-owned small, HUBZone small, small disadvantaged, and women-owned business sources.

(c) On a contract-by-contract basis, records on all subcontract solicitations over \$100,000, indicating on each solicitation (1) whether small business concerns were solicited, and if not, why not; (2) whether service-disabled veteran-owned small business concerns were solicited, and if not, why not; (3) whether HUBZone small business concerns were solicited, and if not, why not; (4) whether small disadvantaged business concerns were solicited, and if not, why not; (5) whether women-owned business concerns were solicited and if not, why not; and (6) reasons for the failure of solicited small, service-disabled veteran-owned small, HUBZone small, small disadvantaged, or women-owned business concerns to receive the subcontract award.

(d) Records to support other outreach efforts: Contacts with Minority and Small Business Trade Associations, etc. Attendance at small and minority business procurement conferences and trade fairs.

(e) Records to support internal activities to guide and encourage buyers: Workshops, seminars, training programs, etc. Monitoring activities to evaluate compliance.

(f) On a contract-by-contract basis, records to support subcontract award data to include name and address of subcontractor .

(g) Records to be maintained in addition to the above are as follows:

Signed: _____

Typed Name: _____

Title: _____

Date: _____

Plan Accepted By: _____
Contracting Officer

Date: _____

NOTE TO CONTRACTING OFFICER: Upon incorporation of a plan into the contract, indicate herein the estimated dollar value of the contract:

\$ _____.

SECTION L
Instructions, Conditions and Notices to Offerors

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L-1 CLAUSES INCORPORATED BY FULL TEXT

The following clauses, with original paragraph numbering, are extracted from the Federal Acquisition Rules (FAR).

52.204-6 -- Data Universal Numbering System (DUNS) Number (Oct 2003)

- (a) The offeror shall enter, in the block with its name and address on the cover page of its offer, the annotation “DUNS” or “DUNS+4” followed by the DUNS number or “DUNS+4” that identifies the offeror’s name and address exactly as stated in the offer. The DUNS number is a nine-digit number assigned by Dun and Bradstreet, Inc. The DUNS+4 is the DUNS number plus a 4-character suffix that may be assigned at the discretion of the offeror to establish additional CCR records for identifying alternative Electronic Funds Transfer (EFT) accounts (see Subpart 32.11) for the same parent concern.
- (b) If the offeror does not have a DUNS number, it should contact Dun and Bradstreet directly to obtain one.
- (1) An offeror may obtain a DUNS number—
- (i) If located within the United States, by calling Dun and Bradstreet at 1-866-705-5711 or via the Internet at <http://www.dnb.com> or
 - (ii) If located outside the United States, by contacting the local Dun and Bradstreet office.
- (2) The offeror should be prepared to provide the following information:
- (i) Company legal business name.
 - (ii) Tradestyle, doing business, or other name by which your entity is commonly recognized.
 - (iii) Company physical street address, city, state and Zip Code.
 - (iv) Company mailing address, city, state and Zip Code (if separate from physical).
 - (v) Company telephone number.
 - (vi) Date the company was started.
 - (vii) Number of employees at your location.
 - (viii) Chief executive officer/key manager.
 - (ix) Line of business (industry).
 - (x) Company Headquarters name and address (reporting relationship within your entity).

(End of Provision)

52.215-1 -- Instructions to Offerors -- Competitive Acquisition (Jan 2004)

(a) *Definitions.* As used in this provision --

“Discussions” are negotiations that occur after establishment of the competitive range that may, at the Contracting Officer’s discretion, result in the offeror being allowed to revise its proposal.”

“In writing,” “writing,” or “written” means any worded or numbered expression which can be read, reproduced, and later communicated, and includes electronically transmitted and stored information.

“Proposal modification” is a change made to a proposal before the solicitation’s closing date and time, or made in response to an amendment, or made to correct a mistake at any time before award.

“Proposal revision” is a change to a proposal made after the solicitation closing date, at the request of or as allowed by a Contracting Officer as the result of negotiations.

“Time,” if stated as a number of days, is calculated using calendar days, unless otherwise specified, and will include Saturdays, Sundays, and legal holidays. However, if the last day falls on a Saturday, Sunday, or legal holiday, then the period shall include the next working day.

(b) *Amendments to solicitations.* If this solicitation is amended, all terms and conditions that are not amended remain unchanged. Offerors shall acknowledge receipt of any amendment to this solicitation by the date and time specified in the amendment(s).

(c) *Submission, modification, revision, and withdrawal of proposals.*

(1) Unless other methods (*e.g.*, electronic commerce or facsimile) are permitted in the solicitation, proposals and modifications to proposals shall be submitted in paper media in sealed envelopes or packages

- (i) addressed to the office specified in the solicitation, and
- (ii) showing the time and date specified for receipt, the solicitation number, and the name and address of the offeror. Offerors using commercial carriers should ensure that the proposal is marked on the outermost wrapper with the information in paragraphs (c)(1)(i) and (c)(1)(ii) of this provision.

(2) The first page of the proposal must show --

- (i) The solicitation number;
- (ii) The name, address, and telephone and facsimile numbers of the offeror (and electronic address if available);
- (iii) A statement specifying the extent of agreement with all terms, conditions, and provisions included in the solicitation and agreement to furnish any or all items upon which prices are offered at the price set opposite each item;

- (iv) Names, titles, and telephone and facsimile numbers (and electronic addresses if available) of persons authorized to negotiate on the offeror's behalf with the Government in connection with this solicitation; and
- (v) Name, title, and signature of person authorized to sign the proposal. Proposals signed by an agent shall be accompanied by evidence of that agent's authority, unless that evidence has been previously furnished to the issuing office.

(3) *Submission, modification, revision, and withdrawal of proposals.*

(i) Offerors are responsible for submitting proposals, and any modification, or revisions, so as to reach the Government office designated in the solicitation by the time specified in the solicitation. If no time is specified in the solicitation, the time for receipt is 4:30 p.m., local time, for the designated Government office on the date that proposal or revision is due.

(ii)

(A) Any proposal, modification, or revision received at the Government office designated in the solicitation after the exact time specified for receipt of offers is "late" and will not be considered unless it is received before award is made, the Contracting Officer determines that accepting the late offer would not unduly delay the acquisition; and --

- (1) If it was transmitted through an electronic commerce method authorized by the solicitation, it was received at the initial point of entry to the Government infrastructure not later than 5:00 p.m. one working day prior to the date specified for receipt of proposals; or
- (2) There is acceptable evidence to establish that it was received at the Government installation designated for receipt of offers and was under the Government's control prior to the time set for receipt of offers; or

(3) It is the only proposal received.

(B) However, a late modification of an otherwise successful proposal that makes its terms more favorable to the Government, will be considered at any time it is received and may be accepted.

(iii) Acceptable evidence to establish the time of receipt at the Government installation includes the time/date stamp of that installation on the proposal wrapper, other documentary evidence of receipt maintained by the installation, or oral testimony or statements of Government personnel.

(iv) If an emergency or unanticipated event interrupts normal Government processes so that proposals cannot be received at the office designated for receipt of proposals by the exact time specified in the solicitation, and urgent Government requirements preclude amendment of the solicitation, the time specified for receipt of proposals will be deemed to be extended to the same time of day specified in the solicitation on the first work day on which normal Government processes resume.

(v) Proposals may be withdrawn by written notice received at any time before award. Oral proposals in response to oral solicitations may be withdrawn orally. If the solicitation authorizes facsimile proposals, proposals may be withdrawn via

facsimile received at any time before award, subject to the conditions specified in the provision at 52.215-5, Facsimile Proposals. Proposals may be withdrawn in person by an offeror or an authorized representative, if the identity of the person requesting withdrawal is established and the person signs a receipt for the proposal before award.

(4) Unless otherwise specified in the solicitation, the offeror may propose to provide any item or combination of items.

(5) Offerors shall submit proposals in response to this solicitation in English, unless otherwise permitted by the solicitation, and in U.S. dollars, unless the provision at FAR 52.225-17, Evaluation of Foreign Currency Offers, is included in the solicitation.

(6) Offerors may submit modifications to their proposals at any time before the solicitation closing date and time, and may submit modifications in response to an amendment, or to correct a mistake at any time before award.

(7) Offerors may submit revised proposals only if requested or allowed by the Contracting Officer.

(8) Proposals may be withdrawn at any time before award. Withdrawals are effective upon receipt of notice by the Contracting Officer.

(d) *Offer expiration date.* Proposals in response to this solicitation will be valid for the number of days specified on the solicitation cover sheet (unless a different period is proposed by the offeror).

(e) *Restriction on disclosure and use of data.* Offerors that include in their proposals data that they do not want disclosed to the public for any purpose, or used by the Government except for evaluation purposes, shall --

(1) Mark the title page with the following legend:

This proposal includes data that shall not be disclosed outside the Government and shall not be duplicated, used, or disclosed -- in whole or in part -- for any purpose other than to evaluate this proposal. If, however, a contract is awarded to this offeror as a result of -- or in connection with -- the submission of this data, the Government shall have the right to duplicate, use, or disclose the data to the extent provided in the resulting contract. This restriction does not limit the Government's right to use information contained in this data if it is obtained from another source without restriction. The data subject to this restriction are contained in sheets [*insert numbers or other identification of sheets*]; and

(2) Mark each sheet of data it wishes to restrict with the following legend:

Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this proposal.

(f) *Contract award.*

- (1) The Government intends to award a contract or contracts resulting from this solicitation to the responsible offeror(s) whose proposal(s) represents the best value after evaluation in accordance with the factors and subfactors in the solicitation.
- (2) The Government may reject any or all proposals if such action is in the Government's interest.
- (3) The Government may waive informalities and minor irregularities in proposals received.
- (4) The Government intends to evaluate proposals and award a contract without discussions with offerors (except clarifications as described in FAR 15.306(a)). Therefore, the offeror's initial proposal should contain the offeror's best terms from a cost or price and technical standpoint. The Government reserves the right to conduct discussions if the Contracting Officer later determines them to be necessary. If the Contracting Officer determines that the number of proposals that would otherwise be in the competitive range exceeds the number at which an efficient competition can be conducted, the Contracting Officer may limit the number of proposals in the competitive range to the greatest number that will permit an efficient competition among the most highly rated proposals.
- (5) The Government reserves the right to make an award on any item for a quantity less than the quantity offered, at the unit cost or prices offered, unless the offeror specifies otherwise in the proposal.
- (6) The Government reserves the right to make multiple awards if, after considering the additional administrative costs, it is in the Government's best interest to do so.
- (7) Exchanges with offerors after receipt of a proposal do not constitute a rejection or counteroffer by the Government.
- (8) The Government may determine that a proposal is unacceptable if the prices proposed are materially unbalanced between line items or subline items. Unbalanced pricing exists when, despite an acceptable total evaluated price, the price of one or more contract line items is significantly overstated or understated as indicated by the application of cost or price analysis techniques. A proposal may be rejected if the Contracting Officer determines that the lack of balance poses an unacceptable risk to the Government.
- (9) If a cost realism analysis is performed, cost realism may be considered by the source selection authority in evaluating performance or schedule risk.

(10) A written award or acceptance of proposal mailed or otherwise furnished to the successful offeror within the time specified in the proposal shall result in a binding contract without further action by either party.

(11) If a post-award debriefing is given to requesting offerors, the Government shall disclose the following information, if applicable:

- (i) The agency's evaluation of the significant weak or deficient factors in the debriefed offeror's offer.
- (ii) The overall evaluated cost or price and technical rating of the successful and the debriefed offeror and past performance information on the debriefed offeror.
- (iii) The overall ranking of all offerors, when any ranking was developed by the agency during source selection.
- (iv) A summary of the rationale for award.
- (v) For acquisitions of commercial items, the make and model of the item to be delivered by the successful offeror.
- (vi) Reasonable responses to relevant questions posed by the debriefed offeror as to whether source-selection procedures set forth in the solicitation, applicable regulations, and other applicable authorities were followed by the agency.

(End of Provision)

52.216-1 TYPE OF CONTRACT (APR 1984)

The Government contemplates award of a firm, fixed price contract resulting from this solicitation.

52.233-2 SERVICE OF PROTEST (AUG 1996)

(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from:

Robert Sharamatew, Contracting Officer
US Army Engineer District, Philadelphia
100 Penn Square East, Rm 643
Wanamaker Building
Philadelphia, PA 19107-3390

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

L-2 PROPOSAL REQUIREMENTS AND EVALUATION CRITERIA**A. GENERAL REQUIREMENTS**

Offerors shall submit one original and three copies of the entire Proposal for evaluation. The Proposal shall include an index of the complete Proposal to identify the content, and to assist in locating the specific elements or topics required to be addressed by the Offerors as outlined in this Section. Page separators or tabs can be used.

The Price Schedule (Section B) of the Solicitation must be filled in and included with the Proposal to reflect the offered price. This page is the Price Proposal, and must be separate or separable from the rest. Price information shall only be displayed on the Price Schedule and shall not be included anywhere else within the Proposal, to allow for the review by the Government representatives to take place without the influence of price.

The Offerors are advised that each Proposal submitted must be complete, and shall be organized to address the specific elements or topics required, in the sequence outlined in this Section. This is necessary to facilitate and expedite an effective review.

Offerors that submit Proposals that are not complete, may or may not be given the opportunity to submit any additional material, and may be considered non-responsive. As a minimum, the information required in this Section shall be included in each Proposal submitted. Additional data, which would serve to clarify the Proposal, should also be submitted. Any other information deemed necessary by the Contracting Officer for a clear understanding of the Proposal shall be furnished if requested.

Proposals shall not include alternative features offered as options within the Proposal unless the options are offered as a choice to be made unilaterally by the Government. Each Proposal must be clear as to the services and features to be offered without contingency. This will facilitate a fair and equitable review and evaluation. The same Offeror, however, may send in more than one complete Proposal, to propose alternative features and price.

The Proposals will be reviewed for completeness and evaluated on their merit against the evaluation factors listed below.

Technical Factors:

Design and Construction Experience
Management
Past Performance

Price Factor:

Price Reasonableness
Price Realism

The technical factors as a whole are more important than price. However, price remains a significant factor in determining "Best Value." The technical sub-factors are listed in descending order of importance. The price sub-factors are of equal weighting. This procurement is budgeted at \$2.4 Million U.S. dollars, including the option. If an offer exceeds the budgeted price, cost becomes more important than technical, however, technical evaluation remains a significant factor in determining "Best Value."

B. DESIGN AND CONSTRUCTION EXPERIENCE EVALUATION CRITERIA

The Experience Evaluation Criteria for Award shall be the demonstrated experience of the Offeror during the past five years in the design and construction of the following (in descending order of importance):

- barges designed for custom heavy deck loadings
- steel barges of similar size and loading requiring complex engineering design and analysis
- steel structures and vessels of similar level of complexity

C. REQUIRED DESIGN AND CONSTRUCTION EXPERIENCE SUBMITTALS

The Offeror shall also provide a discussion of the organization's experience on similar types of work or other complex steel fabrication work over the past five years, describing the work done and the list of customers. The offeror's design experience must also be addressed, whether in-house or through established sub-contract relationships for previous work. The information presented shall include; customer name / organization, points of contact with phone numbers, contract number, and approximate contract value.

D. MANAGEMENT EVALUATION CRITERIA

The Management Evaluation Criteria for Award shall be the capability demonstrated by the Offeror to successfully perform and respond to the requirements of this project.

The Offeror shall demonstrate in the Proposal that his Organization has the proper design, quality assurance, production, financial and managerial resources available, and has proposed sufficient resources to successfully perform the work required.

The Government may elect to visit Offerors facilities to verify proposal information.

E. REQUIRED MANAGEMENT PROPOSAL SUBMITTALS

The following topics must be addressed in narrative form. Drawings or pictures to convey the information are encouraged. Each topic shall be addressed to the degree necessary to provide the reviewers with a clear understanding. As a minimum the information requested below shall be included in each Proposal submitted:

E1. Organization

The Offeror shall provide clear and complete information on the organization as follows:

- Name and type of company.
- Brief history of company.
- Principal ownership, subsidiaries, and corporate affiliations.
- Source of engineering support, including past relationships on completed projects.

E2. Human Resources for this Project

The Offeror shall furnish resumes of the key personnel that will be involved in this project, indicating:

- Academic/Professional qualifications.
- Welding Certifications
- Experience in related type of work.
- Functional position and job description as it will apply to this project, for each key individual.
- Engineering experience and certification of those providing engineering services.

E3. Facilities and Equipment

The Offeror shall furnish a description of the facilities and major equipment available and planned to be used on this project. Shop facilities/equipment as well as storage facilities which will be utilized for government owned miter gates shall be briefly described and clearly identified in layout drawings or pictures included in the Proposal.

E4. Project Sub-Contracting Plan

If applicable, the Offeror shall describe the extent of sub-Contracting contemplated on this project, and the specific areas to be sub-Contracted.

If any part of Phase II – ENGINEERING & SCHEDULING, is to be sub-Contracted, the Offeror shall identify the sub-Contractor, and submit the resumes of the key personnel involved including qualifications and experience.

E5. Project Quality Control Plan

The Offeror shall make a brief description of the organization's Quality Control/Quality Assurance Organization, and how it will be applied to this project. Copy of ISO certification shall be provided if applicable.

E6. Project Planning / Schedule

The Offeror shall provide a description of its plan of action to accomplish the work for the entire contract. This shall, as a minimum, include coordination with private entities and Government agencies; shop drawing preparation, material procurement and delivery, contractor activities, and manpower staffing. Additional information shall include but not necessarily be limited to:

- Proposed Metalwork Fabrication and Painting equipment to perform the work;
- Methodology and Equipment proposed to construct the vessel.
- Methodology and Equipment proposed to paint the vessel.
- Methodology, materials, and equipment proposed to ensure Metal Fabrication and Painting standards (Quality Control). May include, but not be limited to:
 - Tolerances Verification
 - Nondestructive Testing,

- Paint Testing
- The Offerors should discuss innovative and/or unique approaches that both apply and add value to this project. Production rates and durations planned for each phase of the work shall be included.

In addition, the Offeror shall submit with the Proposal, a Project Schedule, including duration in calendar days for performance during:

- Phase I - PLANNING
- Phase II - ENGINEERING AND SCHEDULING
- Phase III – CONSTRUCT & TEST

The planning and scheduling information, shall demonstrate a logical, orderly and workable approach to the Project and the Contract.

Phase durations, as identified in the accepted Proposal, will be inserted into the Contract Phase Sequencing included in Section H, clause H01. Offered durations must be submitted in calendar day format, and shall not exceed those indicated in clause H01.

After Contract Award, the Contractor is required to perform according to their proposed Project Schedule. Actual performance after Contract Award shall be compared against the proposed schedule, and shall be reported monthly to the COR with the Progress Payment request for approval.

Offerors proposing a total project duration that is shorter than the baseline project duration shown in clause H01 will NOT be rated better for this criteria than Offerors not proposing a reduced schedule duration. Offerors should refer to the Contract Phase Sequencing graphic for important information regarding Government review durations and required resubmittal durations that must be included in the total project duration proposed by the Offeror.

E7. Financial Condition and Financial Risk

In order to minimize financial risk to the Government, Contractors must choose and shall identify within their proposal one of the following two alternatives.

1. Bonding in conjunction with progress payments

If this alternative is selected by the contractor, the following contract clauses apply:

Section H, Clause H20 PROGRESS PAYMENT BASED ON PERCENTAGE OR STAGE OF COMPLETION;
Section I, 52.228-1 OFFER GUARANTEE;

Section I, 52.228-16 PERFORMANCE AND PAYMENT BONDS- OTHER THAN CONSTRUCTION.

An offer bond must be furnished with the original submittal as required by Section I, Clause 52.228-1 OFFER GUARANTEE. Progress payments will be made in accordance with contract Clause H20 PROGRESS PAYMENT BASED ON PERCENTAGE OR STAGE OF COMPLETION.

2. No bonding and no progress payments.

If this alternative is selected by the Contractor, the Contractor must arrange their own financing. No payments will be made by the Government until delivery and final acceptance, at which time full payment for the contract value will be made. Contractors must finance the design and construction with consideration to their schedule as identified in clause F01 PERFORMANCE and H01 CONTRACT ORGANIZATION, as well as their ultimate performance. Particular attention should be given to the periods of time that are not controlled by the Contractor and that are identified for Government activity to perform contract administration. Under this alternative, the following contract clauses will not be applicable:

Section H, Clause H20 PROGRESS PAYMENT BASED ON PERCENTAGE OR STAGE OF COMPLETION;

Section I, 52.228-1 OFFER GUARANTEE;

Section I, 52.228-16 PERFORMANCE AND PAYMENT BONDS- OTHER THAN CONSTRUCTION.

If this alternative is selected, the Offeror shall explain and/or demonstrate his approach to contract financing. The documentation provided will be used to assess the Government's financial risk in awarding a contract.

No matter which alternative is selected, the Offeror shall describe why the Government should be confident that this project will be successfully completed from a financial standpoint. Report briefly on the Offeror's financial resources.

F. PAST PERFORMANCE EVALUATION CRITERIA

Past Performance means the Offeror's rating in formalized Government or customer surveys, including the Government's assessment of performance in any previous contracts if applicable. It also includes input from previous customers.

Contracts terminated by convenience of the Government in the past three years, and/or Contracts terminated for default in the past 5 years shall be reported if applicable.

Demonstrated experience during the past five years in construction of vessels of similar type and equivalent level of complexity will be evaluated, along with actual performance on those contracts.

The Government may at its discretion contact representatives of customers to obtain input pertaining to past performance.

G. REQUIRED PAST PERFORMANCE SUBMITTALS

The Offeror shall provide a discussion of the organization's Past Performance, making reference to ratings in formalized Government or customer surveys as applicable. List any Contract that was terminated for the convenience of the Government within the past three years and/or any Contract that was terminated for default in the last 5 years. Explain the circumstances. If none, please indicate.

The Offeror shall also provide a discussion of the organization's experience on similar types of work over the past five years, describing the work completed and the list of customers. The information presented shall include; customer name / organization, points of contact with phone numbers, contract number, and approximate contract value.

H. PRICE EVALUATION CRITERIA

The Price Evaluation Criteria for Award is "Price Reasonableness". The competitiveness of the Offeror's Price Proposal (Price Schedule) will be evaluated taking into consideration the most probable cost of doing business with the Offeror, based on the merits of the "Technical Proposal."

Price Realism will be evaluated to preclude financially front loading the contract and to assure that a mathematical imbalance between the prices of individual line items does not exist. An award will not be made to an Offeror with an unbalanced offer.

I. REQUIRED PRICE SUBMITTALS

II. Price Proposal

A price for the work outlined in this RFP shall be provided with the Proposal by filling in the Price Schedule in Section B of this Solicitation. Note that the Price Schedule must be returned with the Proposal in separate, or be separable from the rest of the Proposal.

PART IV - REPRESENTATIONS AND INSTRUCTIONS

SECTION M

EVALUATION FACTORS FOR AWARD

The Government intends to award a contract on the basis of "Best Value". The Government will award a contract resulting from this solicitation to the responsible Offeror whose proposal, conforming to the solicitation, will be most advantageous to the Government.

The proposals will be reviewed for completeness against the content requirements outlined in Section L, and evaluated against the evaluation factors listed below:

Technical Factors:

Design and Construction Experience
Management
Past Performance

Price Factor:

Price Reasonableness
Price Realism

The technical factors as a whole are more important than price. However, price remains a significant factor in determining "Best Value." The technical sub-factors are listed in descending order of importance. The price sub-factors are of equal weighting.

In the event that the offers exceed the budget price identified in Section L, price becomes more important than the technical factors, however the technical factors remain significant.

Further discussion of these factors, format and specific topics to be addressed in the proposal, are listed and described in Section L, "Instructions, Conditions, and Notices to Offerors", which contains the specific proposal submittal requirements pursuant to this Solicitation. Offerors are advised that each proposal submitted shall be complete and in the format required, with information organized as specified in Section L.

Furthermore, each Proposal shall be compatible with Section C - Description / Specification.

All Proposals will be reviewed initially for Proposal submittal compliance and for compliance with the requirements of the technical specifications in Section "C".

The Government may award a contract on the basis of initial proposals received without discussions; therefore, each initial proposal should contain the Offeror's best terms.

The Government reserves the right to award the contract to the Offeror whose proposal is not the lowest in price.

For the purpose of an award decision, the price of the option(s) will be considered in the evaluation.

Award shall be made to a single Offeror.

In accordance to 10 USC 7309, the vessel being constructed, as well as any major components of the hull or superstructure for the vessel, may not be constructed outside of the United States.

52.217-5 EVALUATION OF OPTIONS (JUL 1990)

Except when it is determined in accordance with FAR 17.206(b) not to be in the Government's best interests, the Government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic requirement. Evaluation of options will not obligate the Government to exercise the option(s).

(End of provision)