

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE J	PAGE OF PAGES 1   11
2. AMENDMENT/MODIFICATION NO. 0001	3. EFFECTIVE DATE 12-Jul-2006	4. REQUISITION/PURCHASE REQ. NO. W42HEM61462718		5. PROJECT NO.(If applicable)
6. ISSUED BY USACE, CONTRACTING DIVISION ATTN: CEMVN-CT, ROOM 172 7400 LEAKE AVE. NEW ORLEANS LA 70118-3651	CODE W912P8	7. ADMINISTERED BY (If other than item 6) <b>See Item 6</b>		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		X	9A. AMENDMENT OF SOLICITATION NO. W912P8-06-T-0107	
		X	9B. DATED (SEE ITEM 11) 06-Jul-2006	
			10A. MOD. OF CONTRACT/ORDER NO.	
			10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE			
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>				
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended.				
Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)				
Solicitation W912P8-06-T-0107 is hereby amended to clarify that the console is not in the center of the cabin and other requirement clarifications.. 1. On Page 4 of 28: Item 1, fourth paragraph change "Console Center approximately 36" " to "Console approximately 36" w ide". 2. On Page 7 of 28: 1 Scope Line 5 replace "Side Height 35" " to "Side Height 36". 3. On Page 10 of 28: Replace "Console: Center console approximately 36" with "Operator Console: Approximately 36".				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
		TEL:	EMAIL:	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED
_____ (Signature of person authorized to sign)		BY _____ (Signature of Contracting Officer)		12-Jul-2006

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

**SUMMARY OF CHANGES**

## SECTION SF 1449 - CONTINUATION SHEET

The following have been modified:

SECTION B

The following items should be included in your quote:

Item	Description
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- |    |  |
|----|--|
| 1. | <p>Hull; Cabin/Floor; Cabin Inside; Fuel Tanks<br/>           Construct one Aluminum Work Boat<br/>           Hull Type shall be V Bottom Class 1;<br/>           With an overall length 20' (22'-6" with motor bracket);<br/>           Bottom Width 3/16" plate 6' Wide Vee through out<br/>           Beam 8'-6"; Side 36" Height; Reinforced every 14"<br/>           On sides in the cargo area; with a forward Deck<br/>           Approximately 5'-10" with a power rating max 225hp;<br/>           With 3/16" Bottom Plating; 3/16" Sides Plating; 3/16"<br/>           Transom Plating; 1/8" Double Bottom; Heavy Duty<br/>           Frame Structure; 10" Wide Gunnels; with 3" Drubber bumper<br/>           Surrounding perimeter; All Aluminum 100% wood free;<br/>           Made of 5086 alloy plate; Heavy-Duty Frame Structure;<br/>           Heavy-Duty Rub Rail; Stainless Doors; Tinted Windshield;<br/>           Seats/Dry Storage with two 50 gallon fuel tanks; with<br/>           Motor Bracket to accommodate two Honda 90/HP O/B engines</p> <p>Captain Seat with pedestal capable of turning 360 degrees</p> <p>Survey Technician Seat with pedestal capable of turning 360 degrees</p> <p>Console approximately 36" wide</p> <p>Work Station Aluminum Table 1.5' x 36" w/leg bolted down on<br/>           Port side (removable)</p> |
| 2. | <p>Accessories:<br/>           Engine Guardrail</p> <p>Mooring Cleats</p> <p>Batteries</p>   |

Battery Switch

Running Lights

12V Receptacle

Bilge Pump

Compass

Anodes 2.5 lb Magnesium

Steering

Cabin Insulation for inside Cabin Area

Engine Motor Bracket for Dual Engines

Radar

Radar Stand

Painting/Clean; Prime: Paint entire vessel

Motor: Two 90HP Honda Four Stroke Engines  
With 25" shaft, Bemical Control Box, cables,  
Four Blade SS Propeller and Digital Tachometer  
With Installation

Air Conditioner 13,500 BTU or better with Heat 110v A C

Generator

Circuit Breaker Panel – four circuit-30 amp breaker box with  
Four-ground fault breakers installed and two receptacles

VHF Marine Radio

Trailer: Tandern Axle 14" Tires 5979 lbs Load Net with side  
Boards, Buddy Bearings, Jack, Hydraulic Brakes, Disc Brakes on  
All axles. Spare Tire and Bracket.

Handrails and grab bars

Custom Transducer Well & Ball Check Well

Total Price of Boat and all Accessories

\$ \_\_\_\_\_



**NOTES:**

1. Offers in response to this solicitation/RFQ can be forwarded by either personal delivery, regular mail, email, or fax to arrive by the date and time specified in Block 8 of this form. **OFFERS ARE NOT TO BE PLACED IN THE BID BOX** located in the New Orleans District Contracting Division Office. Addresses for responses are as follows:

Physical Address: U.S. Army, Corps of Engineers, Contracting Division,  
Attn: Brenda Welty (CEMVN-CT-P)  
7400 Leake Ave  
New Orleans, LA 70118

Mailing Address: U.S. Army, Corps of Engineers, Contracting Division,  
Attn: Brenda Welty (CEMVN-CT-P)  
P.O. Box 60267  
New Orleans, LA 70160-0267

Fax to: (504) 862-2892

Email to: [Brenda.d.welty@mvn02.usace.army.mil](mailto:Brenda.d.welty@mvn02.usace.army.mil)

2. The Government's standard payment terms are NET 30. If Offerors desire to submit alternative discount terms, please include in Block 12 for consideration.

## Scope of Work:

## DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

1 SCOPE (INFORMATION). Contractor shall furnish all labor, management, supervision, facilities, utilities, equipment, tools, lubricants, fuel, materials and articles (excluding Government-furnished property) necessary to construct one Aluminum Work Boat. The survey boat Hull Type shall be V Bottom Class 1; with an overall length 20' (22'-6" with motor bracket); Bottom Width 3/16" plate. 6' Wide Vee through out; Beam 8'-6"; Side Height 36"; forward Deck Approximately 5'-10"; with a Power Rating Max 225 hp; with 3/16" Bottom Plating; 3/16" Sides Plating; 3/16" Transom Plating; 1/8" Diamond Plate Double Bottom; Heavy Duty Frame Structure; 10" Wide Diamond Plate Gunnel. All Aluminum 100% wood free; made of 5086 alloy plate; Heavy-Duty Frame Structure; Heavy-Duty Rub Rail; Stainless Door Dogs; Weather Tight Doors; Tinted Windshield; Seats/Dry Storage with Custom Cushions; with two 50 gallon fuel tanks for a total of 100 gallons of fuel or equal; Motor Bracket to accommodate two HONDA 90HP O/B Engines with Custom Motor Guard; two Honda 90HP Four Stroke Engines or equal; Mooring Cleats; Custom Handrails; with a Non Self Bailing Hull; Air Conditioner; Generator; Navigation Lights; Radar; with stand; GPS mounting stand; with watertight wiring plugs located on top of cabin for installation of the GPS; RADAR; and other Equipment on top of cabin; Custom Mast Stand for Navigation and Survey Equipment; Custom Transducer; Custom Ball Check system as per USACE Design; in accordance with manufacture specifications and subject to the terms and conditions of the contract.

2 APPLICABLE PUBLICATIONS (INFORMATION). The following publications are applicable to this specification. The latest revision shall be used unless otherwise specified.

(1) Steel Structures Painting Council (SSPC) - Surface Preparation Specifications.

SSPC-SP 10 Minimum recommended surface preparation for Aluminum.

(2) American Society for Testing and Materials (ASTM).

B 928 High Magnesium Aluminum Alloy Sheet and Plate for Marine Service

(3) American Society of Mechanical Engineers (ASME).

Boiler And Pressure Vessel Code, Section IX

(4) American Bureau of Shipping (ABS).

Rules for Building and Classing Aluminum Vessels

(5) American Welding Society (AWS).

D1.2 Structural Welding Code, Aluminum

(6) Code of Federal Regulations (CFR).

(7) Standards and Recommended Practices for Small Craft Vessel; American Boat & Yacht Council (ABYC)

(8) 29 CFR 1915 Occupational Safety and Health Standards for Shipyard Employment

(9) Federal Standards (Fed. Std.).

595 Colors

**3 VESSEL DATA (INFORMATION).** The vessel will be constructed of 5086/H-116 and 6061 aluminum. The following items must be furnished and installed. Furnish the necessary labor and materials to construct one Aluminum Work Boat Class 1 as follows:

**Hull:**

Length	20'-0" with an overall length 22'6" with motor bracket install.
Beam	8'-6".
Bottom	3/16" plate, with a 6' wide Vee through out.
Side	3/16" plate, with a height 36". Reinforced every 14" on sides in the cargo area with a 1"x 2" t- beam.
Deck	1/8" diamond plate, 6' long
Longitudinal Frames	One- 4" x 3/8" Flat Bar Keel. Two- Vertical flange plates that run from the bottom of the hull to the double bottom approx. 10" deep x 2" x 3/16" coped around and welded to the transverse frames, from bow to stern.
Transverse Frames	Four- installed 1" deep x 2-1/2" wide corrugations. (side) 1-1/2" x 3" x 3/4" bulb T-Beam spaced 14" on centers. 2" x 2" x 3/16" Angle spaced on 14" centers.
Transom	Transom to be constructed of 3/16" plate reinforced with 4" channel.
Gunnels Cap	Reinforced with 3 req. 3" bulb tee vertically. 3" D rubber bumper surrounding perimeter. Inside approx. 10" wide aluminum tread plate.
Double Bottom	Double bottom (not be self bailing) from fwd deck to transom 1/8" tread plate, tested at 2 lb. of air pressure for watertight integrity.

Each compartment shall be watertight in the bow area; double bottom area; and aft deck area of the hull.

Contractor shall install an automatic bilge/alarm pumping system in the aft deck void with controls to pump out the void at the Operator console. The contractor shall make the pump area accessible for maintenance and service.

Furnish and Install Transducer Well: Fabricate a water tight well out of 4" sch.80 pipe approximately 6" in height; with a watertight Lexan machine cover plate with SS screws to be installed on the underside of the hull located in an area were there is no interference from water cavitations across the transducer cover. A watertight plate, gaskets, fasteners with two weld 1" collars and plugs install for wiring and a inspection plug located on top of the watertight cover plate on the inside of the hull below the double bottom plate decking.

Furnish and Install 1 one Ball Check well for 1 One Lead Ball approx. 3.5" in diameter. Fabricate water tight well or sea cock well approximately 4" diameter by 6" height with one 1/2" pipe and collar welded at the top of the watertight well center. The well will be located along opposite side of the keel along side the transducer

### **Cabin/Floor Plan**

Dimensions	Cabin length to be approx. 7' long overall, 6' inside, 1/8" plate. Height to be approximately 6'-4" tall, 4'-6" tall from above gunnel. Reinforced with 1-1/4" x 1-1/4" x 1/8" tubing.
Cabin Forward	3 Dimensional Front. Center to be a door with safety glass, one door dog stainless, and locking latch. Two steps provided 18" wide from forward deck down into cabin. Remaining two sections to have 3/16" safety glass installed.
Cabin Sides	Two horizontal slide windows, one port, one starboard approximately 4' long. Remaining section to have 3/16" safety glass installed.
Cabin Rear Bulkhead	Center to be door with safety glass, one door dog stainless and locking latch. Remaining two sections to have 3/16" safety glass installed.
Cabin Top	Two handrails approximately 4" high by length of cabin, port and starboard.
Cabin Exterior	Walkway around port and starboard approximately 10" wide.

### **Cabin Inside**

**Note:** Cabin intended to carry two persons with equipment, max six persons. The Physical arrangement for the Boat Operator and One Survey Technician shall be located with one seat at the control console on the starboard side for the Boat Operator and one seat on port side for the Survey Technician, opposite of the Operator. The work station shall be 1.5' x 4' with leg on one corner bolted down on the port side to accommodate the Depth Sounder, and Lap Top Computer and required surveying equipment. The seating arrangement layout for the Technician and required equipment inside the cabin area will be the best layout suitable for stability for both technician and equipment as determined by the builder and approved and accepted by the government inspectors, after reviews of the cabin layout plans or drawing.

Captain Seat	with pedestal will be capable of turning 360 degrees.
Technician Seat	with pedestal will be capable of turning 360 degrees.

Storage/Seat 1	One seat/ storage underneath approximately 20" long x 16" high x 20" deep with a 2" vinyl cushion bottom and a 4" vinyl cushion back.
Storage/Seat 2	One seat/storage underneath approximately 20" long x 16" high x 20" deep with a 2" vinyl cushion bottom and 4" vinyl cushion back, with work station to accommodate the depth sounder, lap top computer, and required survey equipment accessories.
Operator Console	approximately 36" wide
Instrument box	Instrument box over operator's console

### Fuel Tank

**Note:** All fuel hoses shall be USCG Approved; Fuel Tanks are Equipped with Tag Labels and Containment Boxes as per USCG 33 CFR.

Fuel Tank	<b>Two 50 gallon</b> fuel tanks with 1-1/2" fill suction and vented.
Fuel System	Two –Tempo inline two way valve. Water Separator (canister style). Two- Teleflex Fuel Gauge Kits. Shields 3/8" Fuel Hose (USCG approved).

### Accessories

**Note:** All bolts, screws, clamps, etc., will be stainless steel. All bulkheads having Electrical wire penetrations will have Rubber Grommets to prevent electrolysis corrosion.

Engine Guardrail	Engine guardrail constructed of 2" schedule 80 pipe .
Grab rails	Port and starboard side of the top of cabin and a grab rail on the bow near the front cabin door.
Mooring Cleats	Mooring cleats (lifting cleats) for vessel at four locations so that vessel may be hauled out of the water to place it on trailer if required.
Batteries	Combo Crank Deep Cycle Marine Battery 12v- 900 cranking amps and Battery boxes furnish two each.
Battery Switch	Two Perko Battery Switches 4-position or equal.
Running Lights	Install side mount Running Lights, chrome plated brass Sea Dog or equal. Install Attwood 24" or equal all around stowaway stern Light. Marpac 6- switch fused Switch Panel or equal.
12V Receptacle	Sea Dog 12V Receptacle or equal (estimate 1 each for inside cabin area on dash for survey equipment port side).
110v Receptacle	estimate 2 each for inside cabin area located on port side at work station.
Bilge Pumps	Rule 1100GPH 12V automatic Bilge Pump or equal for compartment in stern attached to thru hull fitting. Estimate 1 each.
Miscellaneous	watertight collar with plugs on top of cabin area for wiring installations estimate 5 each to be located over equipment where located.
Radar	with stand.
Retractable mast/light/	equipment stand if required. Estimate 1 stand.
Compass	1 each Ritchie Top Mount Compass or equal.

- Anodes 2 ½ lb Magnesium Anodes for hull. 2 each
- Steering Teleflex Seastar Hydraulic Steering for Dual engines or equal.
- Trim tabs Lenco Marine Electric Trim Tabs with rocker switch or equal.
- Furnish and install 1” insulated covers to the inside roof top; around the forward cabin area; around port; starboard windows areas; and around the aft cabin areas. The insulated cover shall be capable of retracting heat and serve as a sound proof material; inside the cabin area.
- Engine Motor Bracket - Dual Engine Motor Bracket that extends out 24” fitted for 25” shank outboards with a 6” by 4” by ½” aluminum, angel welded to box foamed filled. To increase level flotation up approx 4000lbs.
- Painting/Clean Prime and Paint the vessel using the Boat Manufacture standard recommended paint system. The Contractor shall follow the color scheme, as outline in EP 1130-2-500 Chapter 7, paragraph 7-7 c-1-3-4- 8, and Federal Standard No. 595 COLORS, as follows:
- Hull – Black (17038)
  - Deck Fittings –Yellow (13655)
  - House- Old Ivory (17855)
  - Decks Slate or Haze Grey (16187)
  - Mast – Slate or Haze Grey (16187)
- Numbers in parentheses refer to color spots and supplemental color chips as shown in Federal Standard No. 595 COLORS, and are included in order to define the particular shade and color. However, in the interest of uniformity, efforts will be made to comply as closely as practicable with colors as defined in regulation. The prescribed coloring will be applied in such a manner as to obtain the most attractive appearance with due regard to serviceability by the Boat Manufacture.
- Engines Dual 90 hp Honda Outboard Four Stroke Engines with 25” Shaft, Control Box, cables, Four Blade SS Propeller and Digital Tachometer or equal. Salient characteristics include 90 hp, 25” shaft, and 4 stroke engine.
- Generator 1 generator with 3800 max output, electric start with battery. Honda - EM3800 or equal.
- Air Conditioner one 13,500BTU Air Conditioner with Heat 110v AC, Duotherm or equal.
- Circuit Breaker Panel Furnish Four circuit- 30 amp breaker box with four ground fault breakers installed and two receptacles (generator not included).
- Trailer Furnish all galvanized Tandem Axle 14” Tires 5970 lbs. Load Net Capacity Side Boards, Buddy Bearings, Jack with Hydraulic Brakes – Disc Brakes on all axles. Spare Tire and Bracket for boat. Magic Trailer Model TMCV2022 or equal.

nsideration.

(End of Summary of Changes)