

**SOLICITATION / CONTRACT / ORDER FOR COMMERCIAL ITEMS**  
**OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, & 30**

1. REQUISITION NUMBER  
PR600070019

PAGE 1 OF 8

2. CONTRACT NO.      3. AWARD/EFFECTIVE DATE      4. ORDER NUMBER      5. SOLICITATION NUMBER      6. SOLICITATION ISSUE DATE

DATE 12/05/2006      DTMA1P07017

**7. FOR SOLICITATION INFORMATION CALL:**

a. NAME      b. TELEPHONE NUMBER (No collect calls)

8. OFFER DUE DATE/ LOCAL TIME

9. ISSUED BY      CODE 00091

DOT/Maritime Administration, MAR-380  
400 Seventh Street, SW., Room 7310  
  
Washington, DC 20590  
TEL: (202) 366-5757 ext.  
FAX: (202) 366-3237 ext.

10. THIS ACQUISITION IS

UNRESTRICTED  
 SET ASIDE: 100.00% FOR  
 SMALL BUSINESS  
 HUBZONE SMALL BUSINESS  
 8(A)

NAICS: 561990  
 SIZE STANDARD: 5,000,001-10,000,000

11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED  
 SEE SCHEDULE

12. DISCOUNT TERMS

10 days	2 %
20 days	%
30 days	%
days	%

13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)

13b. RATING

14. METHOD OF SOLICITATION  
 RFQ       IFB       RFP

15. DELIVER TO      CODE HQ610

DOT/Maritime Administration, MAR-610  
400 Seventh Street, SW., Room 2122  
  
Washington, DC 20590  
**Attn:** Roger T. Taylor

16. ADMINISTERED BY      CODE 00091

DOT/Maritime Administration, MAR-380  
400 Seventh Street, SW., Room 7310  
  
Washington, DC 20590

17a. CONTRACTOR/OFFEROR      CODE \*      FACILITY CODE

Underwater Services International, Inc  
  
4128 NW 47th Pl  
Gainesville, FL 32606-4427  
TELEPHONE NO. (352) 373-6301 ext.

18a. PAYMENT WILL BE MADE BY      CODE HQ333

DOT/Maritime Administration, MAR-330  
400 Seventh Street, SW., Room 7325  
Washington, DC 20590

17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN  
 OFFER

18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a UNLESS BLOCK BELOW IS CHECKED  
 SEE ADDENDUM

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
(Use Reverse and/or Attach Additional Sheets as Necessary)					

25. ACCOUNTING AND APPROPRIATION DATA      26. TOTAL AWARD AMOUNT (For Govt. Use Only)

- 69 - X4768 - 1 - 07 - SD - - SDMISC - 160000 - - 3105 - - - - -

\$ 62,000.00

27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4. FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA  ARE  ARE NOT ATTACHED

27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4. FAR 52.212-5 IS ATTACHED. ADDENDA  ARE  ARE NOT ATTACHED

28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN \_\_\_\_\_ COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HEREIN.

29. AWARD OF CONTRACT: REF. \_\_\_\_\_ OFFER

DATED \_\_\_\_\_ YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS:

30a. SIGNATURE OF OFFEROR/CONTRACTOR

31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER)

30b. NAME AND TITLE OF SIGNER (Type or print)      30c. DATE SIGNED      31b. NAME OF CONTRACTING OFFICER (Type or print)      31c. DATE SIGNED

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT

32a. QUANTITY IN COLUMN 21 HAS BEEN

RECEIVED     INSPECTED     ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED: \_\_\_\_\_

32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	32c. DATE	32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
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32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE
	32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE

33. SHIP NUMBER <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR	36. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	37. CHECK NUMBER
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38. S/R ACCOUNT NUMBER	39. S/R VOUCHER NUMBER	40. PAID BY
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41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT 41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	42a. RECEIVED BY <i>(Print)</i>
	42b. RECEIVED AT <i>(Location)</i>
	42c. DATE REC'D <i>(YY/MM/DD)</i> 42d. TOTAL CONTAINERS

<b>Line Item Summary</b>	<b>Document Number</b> DTMA1P07017	<b>Title</b> MISSISSINEWA	<b>Page</b> 3 of 8
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**Total Funding:** \$62,000.00

FYs	Fund	Budget Org	Sub	Object Class	Sub	Program	Cost Org	Sub	Proj/Job No.	Sub	Reporting Category
69	X4768	1	07	SD		SDMISC	160000		3105		
<b>Division</b>		<b>Closed FYs</b>		<b>Cancelled Fund</b>							
		-									

Line Item Number	Description	Delivery Date (Start Date to End Date)	Quantity	Unit of Issue	Unit Price	Total Cost (Includes Discounts)
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0001	BIOLOGICAL SAMPLING ON VESSEL MISSISSINEWA		1.00	NTE	\$62,000.000	\$ 62,000.00
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(01/08/2007 to 01/12/2007)

Provide diving services to conduct biological sampling on the MISSISSINEWA located in the James River Reserve Fleet in accordance with USCG Interim Guidelines for Underwater Hull Cleaning of Marad Ships and attached Biological Sampling Statement of Work. Period of performance is 4 days after notification to Start by Contracting Officer. The Estimated Start date is January 8, 2007.

Ref Req No: PR600070019

Funding Information:

- 69 - X4768 - 1 - 07 - SD - - SDMISC - 160000 - - 3105 - - - - - -

\$62,000.00

**Total Cost:** \$62,000.00

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## COMMERCIAL CLAUSES

### 1 USCG INTERIM CRITERIA FOR CLEANING HULLS OF MARAD VESSELS

Interim Criteria for Cleaning Hulls of MARAD Vessels Prior to Relocation for Disposal

Commandant (G-PSO-4)  
U. S. Coast Guard

27 June 2006

#### 1. BACKGROUND AND PURPOSE

- .1 Coast Guard regulations intended to reduce the transport and introduction of non-indigenous organisms via fouling of ships' surfaces are described in 33 CFR 151, Subpart D section 2035 (5) and (6).
- .2 Maritime Administration (MARAD) vessels that are intended to be disposed of through dismantling, reefing, or deep-sea disposal have often been lain up for considerable periods of time, with little or no hull maintenance or cleaning.
- .3 Movement of such heavily fouled hulls between geographic locations constitutes a risk of introducing associated organisms to marine and estuarine habitats in U.S. waters where they do not naturally occur.
- .4 MARAD is developing a comprehensive programmatic approach, in coordination with the Coast Guard, for minimizing the risks of translocating non-indigenous organisms when vessels must be moved for disposal.
- .5 While the Programmatic Plan in (1.4) is being prepared, an interim approach to meeting the requirements of 33 CFR 151.2035(5) & (6) is required for uniform and consistent application to all obsolete MARAD vessels moved for disposal.
- .6 These Criteria are intended to provide such consistent guidance for Coast Guard and MARAD personnel relative to actions taken to bring MARAD vessels into compliance with 33 CFR 151.2035.
- .7 Actions and criteria may be added or modified over time, as appropriate and necessary.

#### 2. DEFINED ACTIONS

.1 Hull Cleaning - the removal of biological fouling of the underwater hull, appendages, and openings of vessels by mechanical means using brushes, scrapers and similar tools. The purpose of underwater hull cleaning prior to relocation for disposal is to remove excessive biological fouling that has developed over long lay-up periods with little or no regular hull cleaning. The underwater cleaning process, therefore, should remove as much of the accumulated biological fouling as possible. However, given the poor condition of the hulls of some of the obsolete MARAD vessels slated for disposal, and the need to minimize the release of paint / coating residues, it is recognized that the cleaning operation will not remove all of the "hard" fouling. As an interim measure, it is expected that hull cleaning will be conducted in-water prior to the movement of the vessel.

.1 Full Cleaning - the cleaning of the entire underwater hull surface (i.e. painted surfaces), appendages, including propellers and shafts, and openings.

.2 Partial Cleaning - only discrete sections of the hull (e.g., forward one-third or forward two-thirds of the hull), appendages (e.g., rudders, sonar dome, fin stabilizers), and systems (e.g., masker air, hull openings) are cleaned. Partial cleanings may be conducted because the extent and distribution of fouling before movement of the vessel is not uniformly distributed over the entire hull or access for cleaning of the entire underwater hull is limited due to restrictive water depth or visibility. Under such circumstances, partial cleanings are a viable alternative to cleaning the entire hull and all the underwater components, but must be based on a vessel specific assessment that clearly documents the appropriateness of a partial cleaning.

#### 3. PROCEDURES AND EQUIPMENT

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- .1 In-water cleaning will be conducted by certified professional divers utilizing hand-held or self-propelled rotary brush equipment, water jets, hydrolance equipment, or other similar industry-recognized equipment.
- .2 To minimize removal and release of paints and other coatings, or damage to the physical integrity of the hull, where brushes are used, brush materials will be polypropelene, nylon, or other similar non-metal abrading materials.
- .3 In-water hull cleaning will be conducted in accordance with all applicable Federal, State and Local regulations and requirements.
- .4 Pre-cleaning inspections by the divers will document the abundance, extent, and type of fouling. This information will be used to select the appropriate cleaning methods and equipment.
- .5 Post-cleaning inspections by the divers will document the degree to which the fouling has been removed. At minimum, cleaning will remove all visible soft fouling recognizable as plants or animals. It is recognized that cleaning will not necessarily remove all hard (calcareous) fouling such as barnacles, mussels, calcareous tube worms, etc. However, selection of the cleaning equipment should be conducted so as to remove as much biological fouling as possible, taking into consideration the constraints posed by (3.2).
- .6 Underwater color still or video photography will be used to document the nature of the fouling present before and after the cleaning. Where water clarity is poor, a clear-water housing will be used to provide a clear image of the hull and associated fouling. Representative images for before and after cleaning conditions will be included in the inspection documentation, for at least the following areas:
  - a. forward, mid and aft 1/3 sections of the vessel length, distributed to include near surface, mid-depth, and keel.
  - b. shaft, skeg, and rudder
  - c. hull penetrations, including areas around sea chests
- .7 The lead diver or other responsible person associated with the divers will verify by signature that the pre- and post-cleaning inspection reports are accurate. Standard hull inspection data/report forms should be developed/used by MARAD for this purpose.
- .8 A responsible MARAD party will sign and validate a document certifying that the hull inspection and cleaning activities were carried out.
- .9 The diving team must maintain a daily log of the inspection and cleaning operations, to include:
  - a. Diver and Company Names
  - b. Cleaning operation dates and hours
  - c. Ship name
  - d. Type of cleaning
  - e. Type and quantity of personnel and equipment on scene
  - f. Notes on diving conditions, factors affecting the inspection and cleaning activities, and any other appropriate observations.

**4. DOCUMENTATION**

- .1 The following documentation will be submitted to the Coast Guard in conjunction with requests for approval of dead ship tow plans:
  - a. Inspection and Cleaning Report, signed by the lead diver and a responsible MARAD representative, to include:
    - a. Pre- (3.4) and post-cleaning (3.5) inspection reports signed by the lead diver
    - b. Concise technical description of cleaning operations performed.
    - c. Copies of Daily Dive Team logs (3.9), signed by the lead diver and a representative of MARAD.

**2 BIOLOGICAL SAMPLING AND UNDERWATER CLEANING SOW**

**Biological Sampling and Underwater Cleaning  
for the Vessel MISSISSINEWA**

**A1. Purpose of Biological Sampling and Underwater Hull Cleaning**

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The purpose of the sequence of events is to survey the biofouling community associated with the hull and underwater appendages of the vessel prior to and after the underwater hull cleaning of the hull to ascertain the effectiveness of the underwater hull cleaning process in removing the majority of soft non-calcified hull fouling. It is recognized the hull cleaning process will not remove the hard calcified hull fouling. The hull cleaning process is intended to prevent the removal of hull coatings or scale from the vessels underwater hull and appendages. A digital video/photographic survey will be conducted prior to and after completion of the biological sampling which will contain two main components:

1. An image library (video and still images of areas of interest) of the hull, propeller, rudder, stern tube and sea chest gratings before and after the underwater hull cleaning evolution.
2. Samples of biota collected from the areas surveyed by camera. Sea chests and internal piping will also be examined if possible (based on diver capabilities and conditions and accessibility). Sea chest gratings or blanks covering the sea chest openings will not be removed to accomplish this task.

During past surveys, scientists have been able to view/communicate with the divers from the dive boat but if this is not possible, then there must be a capability to communicate from a position aboard the ship.

In prior biological hull sampling actions, samples were taken from transverse transects from bow to stern at three depths; waterline (just below), mid depth and flat bottom at approximately 30 foot intervals. Samples were also taken from the rudder, propeller, any recessed areas/sea chests, appurtenances, and any other areas of interest to the scientists.

### 3. Video/Photographic Survey Guidelines

- a. The surveys will be conducted in the James River Reserve Fleet at the site where the vessel is currently moored or at another suitable site within the fleet. Movement of the vessel, if required, is not part of this scope of work and will take place prior to the commencement of biological sampling and underwater hull cleaning activities.
- b. Divers shall provide surface air, and surface audio and visual communications, to facilitate effective communication during the sampling and cleaning operations.
- c. Divers shall provide digital recordings and photographs of all the surveys. (DVD's or mini discs shall suffice for video recordings)
- d. The use of a Clearwater box has proven essential during earlier sampling projects. Divers shall have this capability to facilitate inspection and collection activities.
- e. Divers shall conduct biological surveys and organism collections under the direction of the science (surface) team and will take images and samples from different locations all around the hull and on the rudders, propellers, stern tubes, struts, and gratings as directed. Samples will be collected in zip-lock bags. The zip-lock bags will be provided by the science team and will be pre-labeled. The initial biological sampling prior to the underwater hull cleaning shall involve approximately 50 samples from various areas of the underwater hull. It is anticipated that 50 additional samples will be taken from the underwater hull after completion of the underwater hull cleaning.
- f. Initial sorting of biological samples shall be conducted by the science team on dock side.
- g. It is anticipated that the initial surveys and biological sampling shall take 1.5 to 2.0 days before the commencement of the underwater hull cleaning operation.
- h. It is anticipated that the follow-on survey and biological sampling conducted after the completion of the underwater hull cleaning shall take approximately 1.5 days.
- i. It is anticipated that the in-place underwater hull cleaning shall take approximately 2 days.

Offerors shall use the above guidelines to provide an estimate to MARAD. Should their operations indicate greater durations to accomplish the defined tasks offerors shall indicate these timeframes and provide accompanying explanation?

## **A2. Underwater Hull Cleaning for the MISSISSINEWA**

The offeror shall conduct a full in water hull cleaning of the vessel MISSISSINEWA as described in Section 2.2 and 2.3 of DEFINED ACTIONS, in the USCG INTERIM CRITERIA FOR CLEANING HULLS OF MARAD VESSELS PRIOR TO RELOCATION and clean the entire underwater hull surface, (i.e. painted surfaces), including the flat bottom, appendages, struts, shafts, propellers, and rudders for the vessel prior to its departure for tow to Brownsville, TX. The Procedures and Equipment as outlined in the Section 3 of USCG INTERIM CRITERIA shall be utilized when performing the in water hull cleaning operations and the Divers shall immediately notify the MARAD COTR if they encounter any constraints or delays

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such as diver safety issues, water clarity, water currents or weather conditions in performing the in water hull cleaning to the vessels.

**A3 Deliverables**

The Contractor shall deliver to the MARAD COTR the following documentation.

a. Three copies of the before hull cleaning and after hull cleaning digital video photography and color still photography of the locations described in Section 3.6 of the USCG INTERIM CRITERIA. Submittals shall be in digital format on DVD or CD-ROM as appropriate. This report shall be submitted to the MARAD COTR within 2 weeks after the completion of the post underwater hull cleaning and sampling activity.

b. A report which provides concise technical description of cleaning operations performed and describes in detail constraints to hull accessibility encountered when performing cleaning operations. This report shall be submitted to the MARAD COTR within 24 hours after the completion of the post cleaning inspection.

c. An Inspection and Cleaning report, signed by the lead diver that documents the pre-cleaning and post cleaning inspections as described in Section 3.4 and 3.5 of the USCG INTERIM CRITERIA. This report is required prior to the vessel towing operation. This report shall be submitted to the MARAD COTR within 24 hours after the completion of the post cleaning inspection.

d. Daily Dive Team logs as described in Section 3.9 of the USCG INTERIM CRITERIA signed by the lead diver and a representative of MARAD. This report shall be submitted to the MARAD COTR within 24 hours after the completion of the post cleaning inspection.

All signed reports shall be digitally scanned onto a CD-ROM and three copies of the CD and the original report shall be submitted to the MARAD COTR within 24 hours after the completion of the post cleaning inspection. Unless otherwise directed MARAD will make the required report submittals to the USCG. The hard copy original reports shall be sent to the MARAD COTR via overnight courier.