

2. CONTRACT NO.: DTMA-92-C-2012-0001
3. AWARD/EFFECTIVE DATE: 03/01/2012
4. ORDER NUMBER:
5. SOLICITATION NUMBER: DTMA-92-R-2012-0001
6. SOLICITATION ISSUE DATE: 02/09/2012

7. FOR SOLICITATION INFORMATION CALL: EILEEN WILLIAMS
a. NAME: EILEEN WILLIAMS
b. TELEPHONE NUMBER (No collect calls): (757) 322-5824
8. OFFER DUE DATE/LOCAL TIME: 02/24/2012 1400 ET

9. ISSUED BY: U.S.DOT/ Maritime Administration
Atlantic Div. Acquisition Office
MAR-380-2
7737 Hampton Blvd
Building 19 Suite 300
NORFOLK VA 23505-1204
CODE: 00092

10. THIS ACQUISITION IS: UNRESTRICTED OR SET ASIDE: % FOR:
 SMALL BUSINESS
 HUBZONE SMALL BUSINESS
 SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS
 WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOMEN-OWNED SMALL BUSINESS PROGRAM
 ECONOMICALLY DISADVANTAGED WOMEN-OWNED SMALL BUSINESS (EDWOSB)
 8(A)
 NAICS: 336611
 SIZE STANDARD: 1,000

11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED: SEE SCHEDULE
12. DISCOUNT TERMS: NONE
13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700):
13b. RATING:
14. METHOD OF SOLICITATION: RFQ IFB RFP

15. DELIVER TO: TS EMPIRE STATE
SUNY Maritime College
6 Pennyfield Avenue
Bronx NY 10465
CODE: 00092-TS EMPIRE STAT

16. ADMINISTERED BY: U. S. DOT Maritime Administration
Atlantic Div. Acquisition Office
MAR-380.2
7737 Hampton Blvd
Building 19 Suite 300
Norfolk VA 23505-1204
CODE: 00092

17a. CONTRACTOR/OFFEROR: ACME INDUSTRIAL INC
326-328 FRONT STREET
STATEN ISLAND, NY 10304
DUNS: 155081300 DUNS 155081300
EIN: 38-3678562
TELEPHONE NO. 718-720-5522
CODE: 3THN4
FACILITY CODE:

18a. PAYMENT WILL BE MADE BY: MARAD A/P INVOICES
P.O. BOX 25710
OKLAHOMA CITY OK 73125
CODE:

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
0001	TS Empire State FY12 Pre-Cruise Package. Delivery: Within 45 Days After Award, NO LATER THAN APRIL 15, 2012 Mark For: TS EMPIRE STATE SUNY Maritime College 6 Pennyfield Avenue Bronx NY 10465 ITEM 101 - APPLICABILITY OF RULES AND REGULATION. Continued ...				

25. ACCOUNTING AND AWARD NUMBER (Use Reverse and/or Attach Additional Sheets as Necessary): 70X1750SMR.2012.120SMD1070.0000160000.25711.61006600
26. TOTAL AWARD AMOUNT (For Govt. Use Only): \$448,640.00

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.
 29. AWARD OF CONTRACT: REF. ACME INDUSTRIAL, INC. OFFER DATED 02/23/2012. 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: Joseph Martucci
30b. NAME AND TITLE OF SIGNER (Type or print): JOSEPH MARTUCCI, PRES
30c. DATE SIGNED: 2/23/12
31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER): Melinda Simmons-Healy
31b. NAME OF CONTRACTING OFFICER (Type or print): Melinda Simmons-Healy
31c. DATE SIGNED: 03/01/2012

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
0001	101 APPLICABILITY OF RULES AND REGULATION Obligated Amount: \$0.00				0.00
0002	102 ACCURACY OF INFORMATION Obligated Amount: \$0.00				0.00
0003	103 SURVEYS AND INSPECTIONS Obligated Amount: \$0.00				0.00
0004	104 ON-SITE CONTRACTOR'S REPRESENTATIVE Obligated Amount: \$0.00				0.00
0005	105 DOCUMENTATION OF OPENINGS, BLANKS AND PLUGS Obligated Amount: \$0.00				0.00
0006	106 ALLOWANCE FOR SCRAP MATERIAL Obligated Amount: \$0.00 Continued ...				0.00

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
--	-----------	---

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
--	--------------------	---------------------------------	--	------------------

38. S/R ACCOUNT NUMBER	39. S/R VOUCHER NUMBER	40. PAID BY
------------------------	------------------------	-------------

41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT		42a. RECEIVED BY (<i>Print</i>)	
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER		41c. DATE	
		42b. RECEIVED AT (<i>Location</i>)	
		42c. DATE REC'D (YY/MM/DD)	42d. TOTAL CONTAINERS

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NAME OF OFFEROR OR CONTRACTOR
ACME INDUSTRIAL, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0007	107 HAZARDOUS MATERIALS IDENTIFICATION AND DISPOSAL Obligated Amount: \$0.00				0.00
0008	108 USE OF SHIP'S PARTS AND EQUIPMENT Obligated Amount: \$0.00				0.00
0009	109 MAINTAINING SHIP'S CLEANLINESS Obligated Amount: \$0.00				0.00
0010	110 SURFACE PREPARATION AND PAINTING/COATING GUIDELINES Obligated Amount: \$0.00				0.00
0011	111 SAFE FOR ENTRY AND SAFE FOR HOT WORK CERTIFICATES Obligated Amount: \$0.00				0.00
0012	112 STAGING Obligated Amount: \$0.00				0.00
0013	113 WELDING / BRAZING PROCEDURES Obligated Amount: \$0.00				0.00
0014	114 CONTRACTOR INDUSTRIAL SUPPORT Obligated Amount: \$0.00				0.00
0015	115 SECURITY REQUIRMENTS Continued ...				0.00
<p>NOTE: Items 0001 thru 0015 are Not Separately Priced Pricing has been allocated to Items 0016 thru 0029</p>					

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NAME OF OFFEROR OR CONTRACTOR

ACME INDUSTRIAL, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Obligated Amount: \$0.00				
0016	116 INVESTIGATE SOURCE OF WATER INTRUSION INTO CADET Obligated Amount: \$3,800.00				3,800.00
0017	202 PERFORM ANNUAL SHIP SAFETY RADIO SURVEY Obligated Amount: \$1,550.00				1,550.00
0018	203 CALIBRATE OILY WATER SEPARATOR OIL CONTENT METERS Obligated Amount: \$1,200.00				1,200.00
0019	204 PERFORM ANNUAL INSPECTION OF RESCUE BOAT AND LIFERAFT Obligated Amount: \$41,800.00				41,800.00
0020	205 PERFORM ANNUAL INSPECTIONS OF ALL FIRE EXTINGUISHING EQUIPMENT Obligated Amount: \$42,350.00				42,350.00
0021	206 PERFORM ANNUAL LIFERAFT INSPECTIONS Obligated Amount: \$35,840.00				35,840.00
0022	207 PROVIDE COI SUPPORT LABOR Obligated Amount: \$7,800.00				7,800.00
0023	208 REPAIR CARGO WINCH FOUNDATIONS Obligated Amount: \$21,480.00				21,480.00
	Continued ...				

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NAME OF OFFEROR OR CONTRACTOR

ACME INDUSTRIAL, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0024	209 REPAIR MOTORS Obligated Amount: \$5,800.00				5,800.00
0025	210 REPAIR AUXILIARY MACHINERY SPACE 8 INCH DUPLEX SEA Obligated Amount: \$21,530.00				21,530.00
0026	211 REPLACE FLOORING IN 14 HEADS AND SHOWERS Obligated Amount: \$42,580.00				42,580.00
0027	212 REPLACE MCQUAY HEAD PRESSURE REGULATOR Obligated Amount: \$8,940.00				8,940.00
0028	213 REMOVE AND DISPOSE OF SLOPS Obligated Amount: \$6,000.00				6,000.00
0029	214 REPLACE 3 HOLD AFT LADDER-WELL DOOR Obligated Amount: \$14,250.00				14,250.00
0030	301 SUPPLEMENTAL LABOR Obligated Amount: \$32,500.00	500	HR	65.00	32,500.00
0031	302 SUPPLEMENTAL MATERIAL NOT TO EXCEED AMOUNT Obligated Amount: \$20,000.00				20,000.00
0032	303 SUPPLEMENTAL STEEL (OPTIONAL) Obligated Amount: \$0.00				0.00
	Continued ...				

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NAME OF OFFEROR OR CONTRACTOR

ACME INDUSTRIAL, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0033	303A FLAT STEEL Obligated Amount: \$24,000.00	2000	LB	12.00	24,000.00
0034	303B ROLLED STEEL Obligated Amount: \$15,000.00	1000	LB	15.00	15,000.00
0035	304 AUDIO GAUGINGS (OPTIONAL) Obligated Amount: \$16,000.00	1000	EA	16.00	16,000.00
0036	305 RENEW INSULATED DECKING AND WASTED STEEL IN REEFER BOXES 4 & 6 Obligated Amount: \$37,800.00				37,800.00
0037	306 REFURBISH PANAMA ROLLER CHOCKS AND REPLACE AND TEST PAD EYES Obligated Amount: \$28,640.00				28,640.00
0038	306 REPAIR OF PORT AND STBD. ACCOMMODATION LADDER WINCHES Obligated Amount: \$19,780.00				19,780.00
The total amount of award: \$448,640.00. The obligation for this award is shown in box 26.					
Period of Performance: 03/01/2012 through 04/15/2012					

The following FAR, Transportation Acquisition Manual (TAM), and MARAD local provisions and clauses apply to this solicitation and are incorporated by reference.

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 the following Internet addresses:

Federal Acquisition Regulations (52.) <https://www.acquisition.gov/comp/far/current/html/FARTOCP52.html>

Transportation Acquisition Regulations (1252.) <http://www.dot.gov/ost/m60/tamtar/part1252.htm>

U.S. Maritime Administration Provisions and Clauses (MCL)

https://voa.marad.dot.gov/Solicitation_Awards/docs/mar-380/MARAD%20Clauses%20MCL%20for%20HTML.htm

52.204-7 Central Contractor Registration;

52.211-6 Brand Name or Equal

52.212-1 Instructions to Offerors-Commercial Items;

52.212-3 Alt I Offeror Representations and Certifications - Commercial Items

(Offerors are required to include a completed copy of this provision with their quote or a statement stating that it is available via the ORCA website, <http://orca.bpn.gov>.)

52.212-4 Contract Terms and Conditions-Commercial Items;

52.212-5 Contract Terms and Conditions Required to Implement Statutes or Executive Orders - Commercial Items; within FAR Clause 52.212-5(b) and (c), the following Items are designed by the Contracting Officer to apply to the solicitation:

52.204-10 Reporting Executive Compensation and First-Tier Subcontract Awards

52.219-14 Limitation of Subcontracting

52.219-28 Post-Award Small Business Program Representation

52.222-3 Convict Labor,

52.222-19 Child Labor - Cooperation with Authorities and Remedies,

52.222-21 Prohibition of Segregated Facilities,

52.222-26 Equal Opportunity,

52.222-36 Affirmative Action for Workers with Disabilities

52.225-3 Buy American Act--Free Trade Agreements--Israeli Trade Act

52.225-13 Restrictions on Certain Foreign Purchases, and

52.232-33 Payment by Electronic Funds Transfer --Central Contractor Registration

52.222-41 Service Contract Act

52.223-18 Contractor Policy to Ban Text Messaging While Driving

1252.223-73 Seat Belt Use Policies and Programs

MCL.H-2 Supplemental Work Requests (Subparagraph (d) (10) is \$5,000.00)

MCL.H-3 Indemnity and Insurance

MCL.H.4 Indemnity and Insurance (Additional) (All limits up to \$5,000,000.00 are revised to \$1,000,000.00 for this solicitation.

MCL.H-6 Standards of Employee Conduct

MCL.H-10 Supplemental Growth Requirements

MCL.H-11 Disposition of Removed Equipment and Scrap

MCL.H-12 Maritime Liens, No Authority to Incur

MCL.L-2 Agency Protests

APPLICABLE SERVICE CONTRACT ACT WAGE DETERMINATION: The Service Contract Act wage determination applicable to this requirement, depending on the dry dock location, is available online at the following address:
New York

<http://www.wdol.gov/wdol/scafiles/std/05-2376.txt>

DAMAGE TO GOVERNMENT FACILITIES: Damage to any facility, interior/exterior equipment, or systems caused by the contractor, as a result of work performed under this contract, shall be repaired by the contractor at his/her own expense. The contractor shall be required to repair or replace all items and components, to return the damaged area to its condition before the damage incident.

INVOICE SUBMISSION INSTRUCTIONS – MARAD

The Contractor may submit invoices in either electronic or paper format. Electronic submission is preferred.

(1) Electronic invoices shall be addressed to MARADInvoices@faa.gov, with copy to MARADSARInvoices@dot.gov

Electronic invoices shall conform to the following criteria, or be subject to rejection:

- a. Invoice and supporting documentation shall be in Adobe Acrobat (pdf) format.
- b. The e-mail subject shall include the contract/purchase order number and invoice number.
- c. The transmitting e-mail shall include the following information: Name of the Contractor; Invoice date and number; Invoice amount; Contract number and, if applicable, the order or modification number; Terms of any discount for prompt payment offered; Payment instructions (i.e., financial institution, ABA routing #, account #)

(2) Paper invoices shall be submitted to one of the following addresses. Multiple copies are not required.

MARAD A/P SAR Invoices Branch

AMZ-160

PO Box 25710

Oklahoma City, OK 73125

If a street address is required for delivery (i.e., Federal Express), the following address may be used in lieu of the post office box:

MARAD A/P SAR Invoices Branch
AMZ-160
6500 S MacArthur Blvd.
Oklahoma City, OK 73169

Training Ship EMPIRE STATE

2012 Pre-Cruise Work Package

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VESSEL PARTICULARS

NAME: TS EMPIRE STATE (ex OREGON)

TYPE: S5-S-MA1ua Single-screw Steam Powered Training Vessel.

OFFICIAL REGISTRY NUMBER: 287875

RADIO CALL SIGN: KKFV

CLASSIFICATION: ABS

BUILDER: Newport News Shipbuilding

KEEL LAID: 1961

COMMISSIONED: 1962

LENGTH OVERALL: 565 feet

BEAM: 23 feet

DESIGN DRAFT: 28 feet

VERTICAL CLEARANCE (Air Draft): 137 feet eleven inches – Keel to top of Mast

DEADWEIGHT: 14,620 tons

USCG GROSS TONNAGE: 14,557 tons

USCG NET TONNAGE: 4,367 tons

CRUISING SPEED: 15 knots

COMPLEMENT: COI Crew 14, Other Crew 92, and Add'l to Crew 16 plus 666 Cadets

USCG CERTIFICATION: Public Nautical School Ship

ABS CLASSIFICATION: 6204721 A1, AMS

MAIN ENGINE: Steam Turbine 17,500 HP

MAIN GENERATORS: 1500 KW

DIESEL FUEL CAPACITY: 1781.81 bbls – 98%

SALT WATER BALLAST CAPACITY: Zero

FRESH WATER BALLAST CAPACITY: 912.49 LT

FRESH WATER CAPACITY –
POTABLE AND DISTILLED: 1196.98 LT

SECTION 100: GENERAL SERVICES REQUIREMENTS

ITEM 101 - APPLICABILITY OF RULES AND REGULATION

ABSTRACT

It is the intent of this item to define the rules and regulations governing the TS EMPIRE STATE in order that the Contractor is cognizant of these requirements in the performance of this work package.

REFERENCES

46CFR167

SOLAS Cargo Ship (Non-tanker)

LOCATION / DESCRIPTION

The TS EMPIRE STATE was originally constructed as a Cargo Ship (non tanker) under ABS Rules and the rules of SOLAS 1960. Conversion to a Public Nautical School Ship took place in 1989. As a Public Nautical School Ship, the regulations of 46 CFR 167 in addition to SOLAS rules for a Cargo Ship (non-tanker) applies.

NOTES

None

STATEMENT OF WORK

All work in this SOW must comply with the requirements of the USCG, ABS and SOLAS relative to the area being worked on.

If the Contractor is aware of anything in this work package that shall compromise the Vessel's compliance, they shall make it known immediately, in writing, to the COTR.

PERFORMANCE CRITERIA / DELIVERABLES

Prove all the work to the satisfaction of COTR and TSES Officers and when applicable to the attending USCG Inspectors and/or the ABS Surveyors.

ITEM 102 - ACCURACY OF INFORMATION

ABSTRACT:

It is the intent of this item for the Contractor to verify all dimensions and measurements provided in this work package.

REFERENCES:

All contract work items contained within this work package.

LOCATION / DESCRIPTION

N. A.

NOTES

None

STATEMENT OF WORK

Dimensions and measurements in this work package are provided in good faith but are not guaranteed. The Contractor shall be responsible for determining the accuracy of all dimensions, measurements, sizes and shapes provided in any sketches, drawings, plans and specification.

PERFORMANCE CRITERIA / DELIVERABLES

Prove all the work to the satisfaction of COTR and TSES Officers and when applicable to the attending USCG Inspectors and/or the ABS Surveyors.

ITEM 103 - SURVEYS AND INSPECTIONS

ABSTRACT

It is the intent of this item to provide coordination and scheduling of USCG inspections and ABS surveys during this contract.

The ship is not in an Alternate Compliance Program (ACP) with the US Coast Guard (as defined by 46 CFR, Part 8 Subchapter D). For this reason, witnessing of all inspections and surveys related to this dry docking must be offered to the US Coast Guard as well as ABS. As this is a Public Nautical School Ship, there will be no attendance charges by USCG. ABS inspection fees shall be the responsibility of MARAD except when an inspection or survey has failed as a result of the Contractor's lack of preparation and planning. In those instances, the ABS survey fees associated with the subsequent visit shall be the Contractor's expense. The Contractor, to the best of his ability, shall condense required ABS/USCG inspections to limit the number of attendances required by Surveyors/Inspectors.

REFERENCES

ABS Rules for Classing Steel Vessels

46 CFR Chapter 1, Sub-Chapter R

LOCATION / DESCRIPTION

N. A.

NOTES

None

STATEMENT OF WORK

The Contractor shall coordinate and schedule all surveys and inspections required by this work package with the COTR, USCG and ABS. The Contractor shall maintain a posting of all scheduled survey and inspection dates and times outside of the office door of the Chief Engineer.

PERFORMANCE CRITERIA / DELIVERABLES

Daily posting of scheduled inspections and surveys.
Prove all the work to the satisfaction of COTR and TSES Officers and when applicable to the attending USCG Inspectors and/or the ABS Surveyors.

ITEM 104 - ON-SITE CONTRACTOR'S REPRESENTATIVE

ABSTRACT

It is the intent of this item for the Contractor to provide an on-site Contractor's Representative to negotiate and execute delivery orders.

REFERENCES

None

LOCATION / DESCRIPTION

N. A.

NOTES

None

STATEMENT OF WORK

A Contractor's Representative must have the authority to fully accept, negotiate, and execute "Delivery Orders" and shall be present at all times throughout this contract. In order to maintain continuity of responsibility, changes in representatives shall not be made after the start of the availability without prior approval by the COTR.

PERFORMANCE CRITERIA / DELIVERABLES

Prove all the work to the satisfaction of COTR and TSES Officers.

ITEM 105 - DOCUMENTATION OF OPENINGS, BLANKS AND PLUGS

ABSTRACT

It is the intent of this item to define the Contractor's requirements for documenting all tank, valve and piping openings/closings, blanking/un-blanking, and plugging/unplugging to ensure that all tanks, valves and piping are returned to a normal operating status at the completion of this SOW.

REFERENCES

None

LOCATION / DESCRIPTION

Throughout vessel

NOTES

None

STATEMENT OF WORK

The Contractor shall maintain a log of all tank, valve and piping openings/closings, blanking/un-blanking, and plugging/unplugging to ensure that all tanks, valves and piping are returned to a normal operating status at the completion of this work package. The log shall be posted at the ship's engine room operating station for inspection by the COTR.

PERFORMANCE CRITERIA / DELIVERABLE

Log of tank, valve, and piping opening and closings

Prove all the work to the satisfaction of COTR and TSES Officers and when applicable to the attending USCG Inspectors and/or the ABS Surveyors.

ITEM 106 - ALLOWANCE FOR SCRAP MATERIAL

ABSTRACT

It is the intent of this item to define the Contractor's requirements relative to the disposal of any scrap generated by this work package and the allowance shall be credited to MARAD for each affected work item.

REFERENCES

None

LOCATION / DESCRIPTION

N. A.

NOTES

None

STATEMENT OF WORK

Except as specified otherwise, all scrap material and/or salvaged materials, if any, shall be removed from the ship, become the property of the Contractor, and disposed of in accordance with all Federal, State and local regulations.

This material is not property of MARAD or the ship. Credit for scrap and/or materials so taken by the Contractor shall be tracked by the Contractor and a credit provided to the COTR just prior to the end of performance.

PERFORMANCE CRITERIA / DELIVERABLES

Documentation tracking and accounting for scrap and salvage materials

Prove all the work to the satisfaction of COTR and TSES Officers.

ITEM 107 - HAZARDOUS MATERIALS IDENTIFICATION AND DISPOSAL

ABSTRACT

It is the intent of this item to define the Contractor's requirements relative to the identification and disposal of any hazardous materials that might be encountered during this contract. The Contractor must recognize that ships may contain hazardous materials which require special handling in the performance of any work. These materials include, but are not limited to; asbestos (used in heat and electrical insulation, brake linings, deck coverings, boiler refractory, joiner work and other areas), mercury, certain hydraulic oils, bilge water and slops containing fuel, grease and lubricating oils, lead, lead-based anti-foulants, etc. The responsibility for identifying, handling and disposing of these materials shall be the Contractor's. Additional charges required for handling and disposing of these materials after award shall not be permitted.

REFERENCES

None

LOCATION / DESCRIPTION

N. A.

NOTES

None

STATEMENT OF WORK

In accordance with all regulatory body requirements, the Contractor shall provide all labor, materials and services to accomplish the intent of this item. In addition and at a minimum, the Contractor shall remove and dispose of all hazardous waste in accordance with all applicable Federal, state, and local rules and regulations.

PERFORMANCE CRITERIA / DELIVERABLES

Prior to the end of contract performance, the Contractor shall submit documented evidence of compliance. Evidence shall include the following: types and quantities of hazardous waste generated, procedures followed for custody and disposal and copies of receipts for same, disposal sites, name of Contractor personnel responsible for hazardous waste. MARAD reserves the right to audit Contractor and Sub-Contractors for compliance.

Prove all the work to the satisfaction of COTR and TSES Officers.

ITEM 108 - USE OF SHIP'S PARTS AND EQUIPMENT

ABSTRACT

It is the intent of this CLIN to define the requirements relative to the use of ship's equipment and/or parts.

REFERENCES

None

LOCATION / DESCRIPTION

N. A.

NOTES

None

STATEMENT OF WORK

Unless specifically stated otherwise in this item, the Contractor shall not count on using any of the ship's spare parts, equipment, material, etc. in the prosecution of this contract unless specifically authorized in

writing by the COTR or stated elsewhere in another CLIN. If permitted by the COTR, any spare parts, equipment, material authorized shall be inventoried and replaced at the Contractor's expense.

PERFORMANCE CRITERIA / DELIVERABLES

Prove all the work to the satisfaction of COTR and TSES Officers.

ITEM 109 - MAINTAINING SHIP'S CLEANLINESS

ABSTRACT

It is the intent of this item to define the Contractor's requirements for maintaining cleanliness of the ship throughout this contract.

REFERENCES

None

LOCATION / DESCRIPTION

Throughout the ship.

NOTES

None

STATEMENT OF WORK

The Contractor shall provide all labor, materials and services to accomplish the intent of this work item. In addition and at a minimum, the Contractor shall:

Walk the spaces of the ship with the COTR as soon as possible after delivery to document its condition at delivery.

Remove all garbage, trash and debris from the ship on a daily basis.

Provide trash receptacles in all work areas to prevent trash from being littered on the ship.

Provide dumpsters and garbage/debris removal services throughout the period of this contract. At no time shall garbage and debris be allowed to become hazardous to the well being of personnel or the ship.

Provide separate containers for both trash and hazardous waste and clearly identify both containers.

Remove and properly dispose of the contents of these containers frequently enough to ensure that they never reach a point of being full and spilling over. These containers shall be placed close to the gangway.

Remove all dirt, soil, or debris generated during this contract from all decks, bulkheads, overheads, and fixtures both inside and outside of the ship.

The Contractor and COTR shall make a joint survey of the entire ship shortly before re-delivery to MARAD to determine that all requirements in this item have been met.

PERFORMANCE CRITERIA / DELIVERABLES

Prove all the work to the satisfaction of COTR and TSES Officers.

ITEM 110 - SURFACE PREPARATION AND PAINTING/COATING GUIDELINE

ABSTRACT

It is the intent of this item to define the general requirements regarding all paint preparation and application of coatings as part of this contract.

REFERENCES

Maritime Administration Coating Guidelines

LOCATION / DESCRIPTION

Throughout ship.

STATEMENT OF WORK

The Contractor shall provide all labor, materials and services to accomplish the intent of this item. In addition and at a minimum, the Contractor shall:

Provide all paint needed for this work package.

Receive all paints from the paint vendor and with the knowledge of the COTR or his designated person, have it inventoried, stored under cover, and its distribution controlled to eliminate waste or improper use.

Provide a Paint Manufacturer's Technical Representative to oversee the preparation and application of all paints/coatings needed for this work package. All coatings shall be applied under the direct supervision of the Paint Manufacturer's Technical Representative. No application of coatings shall be made until the prepared surfaces are approved by the Paint Manufacturer's Technical Representative. The Contractor shall arrange for such inspections prior to the initial coating and prior to each subsequent coating.

Ensure that all paint shall be completely mixed; ensuring bottom sediments are in suspension. Thinning shall only be done in accordance with manufacturer's instructions. Coverage and final thickness shall be specified by the paint manufacturer's representative.

Protect all structures and equipment not to be blasted which are in way of the blast pattern. Protect depth sounder plates, hull anodes, propellers, tail-shaft and other vulnerable areas while the blasting operation is being carried out. Plug all deck scuppers and/or install temporary extension shields on the scuppers to the hull dry during blasting and coating operations.

Ensure that steel temperatures are a minimum of four (4) degrees Fahrenheit above the dew point of the air prior to the application of any coatings. COATINGS SHALL NOT BE APPLIED WHEN CONDENSATION IS PRESENT ON THE SURFACE.

Ensure that any grit abrasive used for blasting shall be dry, have the proper pH, and meet the requirements of the paint manufacturer's product data sheet and be acceptable to the on-site Paint Manufacturer's Technical Representative.

Ensure that all coatings are applied in accordance with the paint manufacturer's instructions. Every attempt should be made to minimize overspray. Areas found to contain runs; overspray, roughness or any other film irregularities shall be repaired or recoated as directed.

Ensure that the final dry film thickness (DFT) readings be taken and recorded using an ultrasonic thickness instrument. A detailed report outlining the preparation, coating system and quantities of material shall be provided to the COTR and a copy retained on board in the Chief Mate's office. Ensure that staging for painting shall be absolutely free from grit when any coating is being applied.

Ensure that outdoor coatings shall be applied only under favorable weather conditions.

Ensure that freshly applied coatings are protected from blasting in adjacent areas.

Ensure that the steel temperature is a minimum of five (5) degrees Fahrenheit above the dew point of the air prior to the application of any and all coatings.

Ensure that coatings do not take place when the relative humidity is above 85%.
No coatings shall be applied to surfaces on which oxidation has commenced.

Ensure that all paint manufacture's drying and recoating times are strictly adhered to.

Ensure that when working localized areas or spots, removal of old paint shall extend beyond the edges of the spot until an area of completely intact and adherent paint film is present. The edges of the remaining tightly adherent paint around the area to be repainted shall be feathered down sufficiently to avoid a "patch work" effect. Overlap new paint over existing coating by at least 2 to 3 cm.

Warrantee the coating system free of defects in material and workmanship for a period of sixty (60) months.

The Contractor shall include the cost for adherence to this item within the individual items requiring surface preparation and coating.

PERFROMANCE CRITERIA / DELIVERABLES

A detailed report outlining the preparation, coating system and quantities of material shall be provided to the COTR

Prove all the work to the satisfaction of COTR and TSES Officers.

ITEM 111 - SAFE FOR ENTRY AND SAFE FOR HOT WORK CERTIFICATES

ABSTRACT

The intent of this item is to define the Contractor's requirements for obtaining "Safe for Entry" and "Safe for Hot Work" certificates before any tanks or voids are entered or any hot work is to be performed.

REFERENCES

OSHA 29 CFR, Part 1915

LOCATION / DESCRIPTION

Throughout the ship.

NOTES

None

STATEMENT OF WORK REQUIRED

Any confined spaces, including tanks, must be certified "Safe for Entry" by a Certified Marine Chemist prior to the entry of any person. Any space or location in which hot work is to be performed, any space adjacent or having a common boundary to a location in which hot work is to be performed, and any piping system within a space in which hot work is to be performed shall be certified "Safe for Hot Work" by a Certified Marine Chemist prior to the commencement of hot work. Hot work shall include but not be limited to welding, brazing, heating, cutting, and grinding.

Maintain certificates, on a daily basis, by use of a Marine Chemist or qualified Designated Competent Person who will visually inspect the ship to ensure that the ship's safety condition is unchanged for the continuation of hot work and entry.

Remove any fluids or other substances necessary to achieve and maintain a "Safe-for-Entry" and / or "Safe for Hot Work" condition.

Provide clean fresh-air ventilation when and where required to achieve and maintain a "Safe for Entry" or "Safe for Hot Work" condition. Locations shall include but not be limited to:

- All ballast tanks, cofferdams and voids
- All fuel oil, waste oil and lube oil tanks
- All potable-water tanks
- All sewage tanks

When the ship's ventilation system is secured, provide clean fresh-air ventilation for the following working areas:

All levels of the engine room including the shaft alley.
All accommodation spaces.
All machinery spaces.
All navigation levels.

All additional costs and re-certification due to shifting the ship within yard, ballasting or de-ballasting, growth work and/or additional CLINs and sea trial departure/arrival shall be included in this CLIN.

Post the original "Marine Chemist's Certificates" and "Log of Inspection and Tests by a Competent Person" (OSHA Form #74) and reissued certificates in a protected cover in a conspicuous location at the ship's gangway and at the entrance to each gas free tank or space. One copy shall be furnished to the attending COTR.

Provide copies of Designation of Competent Persons (OSHA Forms 73) to the attending COTR.

The Contractor shall include the cost for adherence to this CLIN within the individual CLINs requiring tank entry or hot work.

PERFORMANCE CRITERIA / DELIVERABLES

Post the original "Marine Chemist's Certificates" and Log of Inspection and Tests by a Competent Person"

(OSHA Form #74) and reissued certificates in a protected cover in a conspicuous location at the ship's gangway and at the entrance to each gas-free tank or space. Also, one copy is to be furnished to the attending COTR.

Provide copies of Designation of Competent Persons (OSHA Forms 73) to the COTR
Prove all the work to the satisfaction of COTR and TSES Officers.

ITEM 112 - STAGING

ABSTRACT

This item describes the Contractor's requirement to furnish staging for any work requiring it.

REFERENCES

United States Occupational Safety & Health Agency Regulator.

LOCATION / DESCRIPTION

Contractor facility and onboard ship

NOTES

None

STATEMENT OF WORK

The Contractor shall furnish all necessary staging to enable accomplishment of this work. Staging shall comply with all applicable safety regulations.

PERFORMANCE CRITERIA / DELIVERABLES

Prove all the work to the satisfaction of COTR and TSES Officers.

ITEM 113 - WELDING / BRAZING PROCEDURES

ABSTRACT

The intent of this item is to provide the COTR with a copy of all the Contractor's certified welding and brazing procedures that will be used in the prosecution of this SOW.

REFERENCES

ABS Rules for Building and Classing Steel Ship: Part 1, Classification, Testing and Surveys. Part 2, Material and Welding CFR (Code of Federal Regulations) Title 46, Subchapter F "Marine Engineering" Subpart 57 "Welding and Brazing"

LOCATION / DESCRIPTION

Contractor facility and onboard ship

NOTES

None

STATEMENT OF WORK

The Contractor shall provide the COTR with a copy of all Regulatory Body approved welding and brazing procedures to be used in this work package prior to performing any welding or brazing.

PERFORMANCE CRITERIA / DELIVERABLES

Copy of the Contractor's welding and brazing procedures and certifications. Certifications are due with the offer.

Prove all the work to the satisfaction of COTR and TSES Officers.

ITEM 114 – CONTRACTOR INDUSTRIAL SUPPORT

ABSTRACT

Provide and maintain all needed utilities and support services to accomplish the work contained in this work package.

REFERENCES

None

ITEM LOCATION / DESCRIPTION

LOCATION: Ship's pier.

NOTES

None

STATEMEN OF WORK

The contractor will be responsible for providing and maintaining any needed utilities and equipment necessary to accomplish the work items in this specification. Utilities and equipment to be furnished at the contractor's expense for him to accomplish work items shall include, but is not limited to: Electricity, portable lighting, compressed air, welding machines, cranes, rigging equipment such as chain falls and come-a-longs, ventilation fans and ducting, portable fire extinguishers, etc.

PERFORMANCE CRITTERIA / DELIVERABLES

N.A.

ITEM 115 – SECURITY REQUIRMENTS

ABSTRACT

The contractor shall comply with all SUNY Maritime Academy security requirements.

REFERENCES

None

ITEM LOCATION / DESCRIPTION

LOCATION: Vessel and pier.

NOTES

None

STATEMEN OF WORK

The contractor shall comply with all SUNY Maritime Academy security requirements. All workers shall have to have a Transportation Worker Identification Credential (TWIC) to gain access to the vessel. All workers will have to sign on and off the vessel in the vessel's visitor's log daily. The contractor will comply with all SUNY Maritime Academy parking requirements. Parking on the pier shall be limited to the loading and off loading of equipment and materials. There are only 6 parking spaces available at the head of the pier for the contractor's use. There is street parking on campus, but it is not guaranteed, so the contractor should plan on busing workers to and from the ship.

PERFORMANCE CRITTERIA / DELIVERABLES

Compliance with all SUNY Maritime security and parking regulations.

SECTION 200: REPAIR ITEMS

ITEM 201 INVESTIGATE SOURCE OF WATER INTRUSION INTO CADET BERTHING SR 0101200 COMPARTMENT PORT SIDE 3 DECK 4 HOLD

ABSTRACT

It is the intent of this item for the contractor to determine the cause and prove source of water intrusion into the 158 person cadet berthing compartment below reefer boxes number 4 and 6.

REFERENCES

ABS Rules Part 7, Chapter 9, Section 6/1.3

46 CFR Chapter 1, Sub-Chapter R

LOCATIONS

158 person cadet berthing compartment port side 3rd deck 4 hold.

Reefer boxes numbers 4 and 6 port side 2nd deck 4 hold.

NOTES

None additional

STATEMENT OF WORK

In accordance with all regulatory body requirements, the Contractor shall provide all required labor, materials and services to accomplish the intent of this work item, and at a minimum accomplish the following:

Visually inspect, and perform any reasonable non-destructive inspection techniques to determine the source of water intrusion into the overhead of the cadet berthing space under the forward end of reefer box number 6.

Prepare and submit a report to the COTR noting findings and recommendations.

Dependent on the findings and recommendations, either Option Item 305, Renew Insulated Decking and Wasted Steel In Reefer Boxes 4 and 6 will be invoked by a delivery order, or a delivery order to accomplish contractor recommendations will be issued. Note, before any delivery order is issued, the contractor shall prove the source of the water intrusion to the COTR.

PERFROMANCE CRITERIA / DELIVERABLES

Written report to the COTR noting findings and recommendations of inspections to determine source of water intrusion.

Contractor to prove/demonstrate source of water intrusion.

ITEM 202 PERFROM ANNUAL SHIP SAFETY RADIO SURVEY
SR 0101372
SR 7120556

ABSTRACT

The intent of this item is to accomplish an Annual Ship Safety Radio Survey.

REFERENCES

American Bureau of Shipping (ABS) Check Sheet on SOLAS Surveys - SLR/ GMDSS.

American Bureau of Shipping (ABS) Check Sheet on SOLAS Surveys – “AIS” Radio Technician’s Survey.

American Bureau of Shipping (ABS) Check Sheet on SOLAS Surveys - SSAS.

LOCATION

Vessel's Bridge and Radio Room.

NOTES

Not Applicable

STATEMENT OF WORK

Contractor shall provide a qualified technician to visually inspect and test in operation Global Marine Distress Signaling System (GMDSS), Automatic Identification System (AIS), Ship Security Alert System (SAS), and the Emergency Position Indicating Radiobeacon (EPIRB) in order to verify that the equipment is satisfactory for obtaining an ABS issued Radio Safety Survey Certificate. References shall be used by the technician to perform inspections. All equipment listed on the references shall be inspected. Where adjustments can be readily made to the equipment in order to achieve satisfactory operation, the technician shall make such adjustments as part of his inspections and tests. As part of this work item, the technician is to inspect, adjust, and verify proper operation of the voice and data recorder.

PERFORMANCE CRITERIA / DELIVERABLES

In addition to providing a service report noting all work performed, the technician shall fill out and submit references 2.1, 2.2, and 2.3 to the COTR for forwarding to ABS.

ITEM 203 CALIBRATE OILY WATER SEPARATOR OIL CONTENT METERS SR0101373

ABSTRACT

The intent of this item is to calibrate the oily water separator oil content meter.

REFERENCES

ABS Rules Part 7, Chapter 9, Section 6/1.3

46 CFR Chapter 1, Sub-Chapter R

LOCATION/DESCRIPTION

Engine Room

Two (2) Shimadzu ET35A Oil Content Monitors

NOTES

Not Applicable

STATEMENT OF WORK

Contractor shall provide a qualified technician to calibrate the oily water separator oil content meters. A calibration sticker noting the firm that accomplished calibration and due date is to be affixed to the meter and a USCG approved certificate shall be provided to the C/E for each meter calibrated.

PERFORMANCE CRITERIA / DELIVERABLES

Contractor to provide a service report noting all work performed.

A calibration sticker is to be affixed to each gauge and meter.

**ITEM 204 PERFROM ANNUAL INSPECTION OF RESCUE BOAT AND LIFERAFT
DAVITS
SR 0101161**

ABSTRACT

The intent of this item is to perform inspections and testing of the rescue boat and liferaft davits.

REFERENCES

Rescue Boat Davit Technical Manual

Liferaft Davit Technical Manual

All applicable ABS, USCG and IMO rules and regulations.

46 CFR 199.45 entitled “Tests and Inspections of Lifesaving Equipment and Arrangements.

46 CFR 160.015 entitled “Lifeboat Winches for Merchant Vessels”.

46 CFR 160.023 entitled “Davits for Merchant Vessels”.

46 CFR 99.45.

46 CFR 167.35-15

SOLAS MSC.1/Circ.1206.

SOLAS III-20.

LOCATION/DESCRIPTION

Rescue Boat Davit (One (1))

Location: Upper Deck Stbd. Forward

Manufacture: Welin Lambie

Type PIV 3 with a Single Point electro-hydraulic

Winch Model: 3BW 3.0B

Liferaft Davits (Total 2)

Location: Upper Deck Frame 172

Davit Manufacturer: Schat-Marine Safety Corp.

Type: Slewing Davits SRR/360/3.65/21

Model: 08-02 Winch

NOTES

Any additional required parts and/or service identified by annual inspections and testing will be addressed by a delivery order.

Lifeboat davit testing is addressed by a separate contract.

STATEMENT OF WORK

In accordance with all regulatory body requirements, the Contractor shall provide all labor, materials and services, including crane service, slings and a work boat to accomplish the intent of this item. In addition and at a minimum, the Contractor shall accomplish the following for the Rescue Boat and Liferaft Davits:

Provide the services of a qualified Welin Lambie, Ltd. Technician, to oversee all work and testing on the Rescue Boat Davit.

Provide the services of a qualified Shat- Marine Technician, to oversee all work and testing on the Liferaft Davits.

Inspect and prove proper operation of the winches and clutches.

Open, clean and inspect the brake assemblies in accordance with the manufacturer's instruction manuals and SOLAS 1206. A condition report shall be prepared and submitted to the COTR documenting the findings of the brake assembly inspection with recommendations for part replacement and/or repairs, if required. Any required parts and/or repairs (beyond those parts used for a typical inspection such as

gaskets and seals) shall be addressed via a separate delivery order against the supplementary labor and materials section of this contract.

Test the releasing hooks.

All brake inspections and any required repairs shall be completed prior to the weight testing of a davit.

Weight test Rescue Boat and Liferaft Davits. All test weights are to be reviewed with the COTR prior to performing any weight test. The weight tests will be conducted at 100% of the full load weights unless there are any significant repairs made to the brake assemblies of a davit, in that case, the weight test will be conducted at 110% of full load. When water weights are used, the USCG will insist on a currently calibrated water meter. If bulk weight is used, the USCG will insist on checking weights with a calibrated dynamometer.

PERFORMANCE CRITERIA / DELIVERABLES

Satisfactory weight and operational tests.

Welin Lambie and Schat Marine Technician service reports noting all work performed and recommendations shall be submitted to the COTR.

**ITEM 205 PERFORM ANNUAL INSPECTIONS OF ALL FIRE EXTINGUISHING
EQUIPMENT,
SR 0101369 RESCUE BOAT RIGHTING BAG, AND CO2 MONITOR
SR 7120730
SR 7120533
SR 7120534**

ABSTRACT

It is the intent of this item to perform all ABS and USCG required inspections, maintenance and testing of all portable fire extinguishers, fixed and Semi-fixed CO2 systems, Halon systems, Portable O2 Monitor, Range Guard system, Rescue Boat Righting Bag, and SCBA packs and cylinders all in accordance with USCG regulations, 46CFR107.235 and Manufacturer's specifications.

REFERENCES

ABS Rules Part 7

46 CFR 107.235

A list of serial numbers and hydrostatic dates of all portable fixed CO2 cylinders and hoses will be provided by the Chief Mate.

LOCATION/DESCRIPTION

Various locations throughout the vessel.

NOTES

None

STATEMENT OF WORK

In accordance with all regulatory body requirements, the Contractor shall provide all labor, materials and services to accomplish the intent of this item. In addition and at a minimum, the Contractor shall accomplish the following:

Portable Extinguisher Inspection and Maintenance:

The contractor is to provide all labor and materials necessary to perform the USCG required annual inspections, maintenance and testing of all portable fire extinguishers. At a minimum, this testing will include the weighing of all cylinders, and the inspection of all hoses and nozzles. The Contractor shall record the weights of all cylinders on the spreadsheet below.

The Contractor shall provide for up to twelve (12), 15 lb CO2 cylinders, one (1) 20 lb CO2 cylinder and one (1) 5 lb CO2 cylinder that might weigh less than the minimum acceptable, thereby requiring removal, re-charging and re-installation.

Portable Extinguishers listed by Type

Cylinder Qty	Description
6	20 lb CO2
123	15 lb CO2
3	5 lb CO2
30	20 lb CTG-BC
28	10 lb CTG-BC
11	10 lb ABC
16	5 lb ABC

Fixed and semi-fixed CO2 Systems Inspection, Maintenance & Testing:

The contractor is to provide all labor and materials necessary to perform all USCG required annual inspections, maintenance and testing of the following four (4) fixed CO2 extinguishing systems. At a minimum, this testing will include the weighing and inspection of all cylinders, the testing of all pull boxes and cables, timers, shutdown switches, sirens, and the inspection of all hoses, piping and nozzles.

As all fixed fire fighting CO2 bottles will need to be hydrostatically tested by 2013, the contractor shall removal from ship to shop, hydrostatically test, re-charge, and re-install 49 bottles onboard at this time. Bottles that weighed less than the minimum acceptable when weighted shall be included in the 49 bottles to be hydrostatically tested.

The tables below indicate that there are 11 timers involved with the Main CO2 System. If necessary, the Contractor shall replace and/or overhaul up to four timers.

The ship's crew will be available to start and reset all ventilation fans, pumps and generators, as necessary, for the demonstration of their required shutdowns.

Fixed and semi-fixed CO2 Systems

System Name	Cylinder Qty	Type	Cylinder Location
Main Co2	94	75 lb UF CO2	CO2 Rm, 2 nd Deck, Stbd.
Eng Rm. Paint Locker	1	75 lb AP8 CO2	Engine Rm. Paint Locker, Shaft Alley
Emerg. Generator Rm	3	75 lb AP8 CO2	Emerg. Generator Rm., Upper Dk., Stbd.
Engine Room Hose Reel	2	75 lb UF CO2 (hose reel)	Engine Rm., Fwd of Port Boiler

Fixed Halon System Inspection, Maintenance & Testing:

The Contractor is to provide all labor and materials necessary to perform all USCG required annual inspections, maintenance and testing of the Fixed Halon System. At a minimum, this testing will include the weighing and inspection of all cylinders, the testing of all pull boxes and cables, timers, shutdown switches, sirens, and the inspection of all hoses, piping and nozzles. The ship's crew will be available to start and reset all ventilation fans, pumps and generators, as necessary, for the demonstration of their required shutdowns.

The Halon cylinders do not require hydrostatic testing unless there is reason to believe that corrosion or other damage has occurred to the cylinder.

It is known that Halon bottle #9, Serial Number 54464 reads low on gauge; bottle has lost 131 pounds of Halon. Contractor's bid to include the cost of recharging this bottle

Fixed Halon System

Cylinder Qty	Description	Cylinder Location
12	340lb Ansul Halon 1301	2 nd Deck, Stbd
4	50 lb CO2	2 nd Deck, Stbd
2	2-1/2 lb Nitrogen cylinders	2 nd Deck, Stbd

One (1) Portable O2 Monitor Inspection, Maintenance & Testing:

The Contractor is to provide all labor and materials necessary to perform all USCG required annual inspections, maintenance and testing of the Portable O2 Monitor.

Portable O2 Monitor

Manufacturer: MSA

Model: Orion

Serial No.: A6-12132-H02, last Calibration Date: 21 April 2009

Range Guard Inspection, Testing and Maintenance:

The Contractor is to provide all labor and materials necessary to perform all USCG required annual inspections, maintenance and testing of the Range Guard Wet Chemical System located in the ship's galley. Manufacturer is Automatic Sprinkler Corporation of America, Model 2.5Q, Unit 979R.

One (1) Ambar Marine 700 Roll Over Bag Inspection, Maintenance & Testing:

The Contractor is to provide all labor and materials necessary to perform all USCG required annual inspections, maintenance and testing of the Ambar Marine 700 Roll over Bag.

SCBA Packs and cylinder Inspection, Maintenance & Testing:

The Contractor is to provide all labor and materials necessary to perform all USCG required annual inspections, maintenance and testing in accordance with 49 CFR 180.205, the NFPA and the original equipment manufacturer (MSA) and that servicing shall include, at a minimum, a flow test and bench test of.

Twenty (21) SCBA packs manufactured by MSA, model #'s 812857, 492488, 10023684. Nineteen (19) Ultra lite packs and eight (8) Custom 4500 packs.

Sixty-nine (69) cylinders

The Contractor shall provide the COTR with a Condition Report and repair quote for any needed repairs or replacements required beyond normal servicing.

Gaylord Hood Ventilator, automatic cleaning, and automatic fire protection system.

The USCG approved contractor is to provide all labor and materials necessary to perform the USCG required annual inspections, maintenance and testing of the GAYLORD HOOD VENTILATOR, AUTOMATIC CLEANING AND AUTOMATIC FIRE PROTECTION SYSTEM to the satisfaction of the attending USCG Inspector, the MARAD Surveyor and the vessel's C/E.

References: Technical Manuals, 098, 099 & 099A

The Contractor shall provide the COTR with a Condition Report and repair quote for any needed repairs or replacements required beyond normal servicing.

PERFORMANCE CRITERIA / DELIVERABLES

Contractor will supply the COTR USCG approved certificates for all of the above listed inspections upon completion of the work.

ITEM 206 PERFROM ANNUAL LIFERAFT INSPECTIONS SR 0101370

ABSTRACT

The intent of this item is to accomplish the annual inspection and certification of eighteen (18) inflatable life rafts.

REFERENCES

International Maritime Organization Resolution A.761 (18) SOLAS 74/96

ABS Rules Part 7, Chapter 9, Section 6/1.3

46 CFR Chapter 1, Sub-Chapter R

LOCATION/DESCRIPTION

Name Plate Data: VIKING Model DKF 25 man inflatable life raft

Quantity: Eighteen (18) raft units

The following is a list of all 18 life rafts with their locations, model number, and serial numbers:
Life rafts 1 and 2 are the same model number 25DK+ and life rafts 3-18 are the same model number 25DKF+

- | | |
|-------------------------------------|-------------------------------------|
| 1. S/S Cabin Deck Serial # L130102 | 2. P/S Cabin Deck Serial # L140102 |
| 3. S/S Upper Deck Serial # U201003 | 4. P/S Upper Deck Serial # R201101 |
| 5. S/S Upper Deck Serial # U161003 | 6. P/S Upper Deck Serial # G191001 |
| 7. S/S Upper Deck Serial # U181003 | 8. P/S Upper Deck Serial # G181001 |
| 9. S/S Upper Deck Serial # U141003 | 10. P/S Upper Deck Serial # H151001 |
| 11. S/S Upper Deck Serial # V111003 | 12. P/S Upper Deck Serial # H191001 |
| 13. S/S Upper Deck Serial # U151003 | 14. P/S Upper Deck Serial # R191101 |
| 15. S/S Upper Deck Serial # U191003 | 16. P/S Upper Deck Serial # H161001 |
| 17. S/S Upper Deck Serial # U171003 | 18. P/S Upper Deck Serial # H121001 |

NOTES

Any additional required parts and/or service identified by annual inspections and testing will be addressed by a delivery order.

STATEMENT OF WORK

In accordance with all regulatory body requirements, the Contractor shall provide all labor, materials and services to accomplish the intent of this item. In addition and at a minimum, the Contractor shall accomplish the following:

Contractor shall provide all labor, material, and lifting equipment to unship eighteen (18) encapsulated Viking 25 man inflatable life rafts from installed parent location and convey from ship to a United States Coast Guard, Original Equipment Manufacture's certified repair facility.

Contractor shall survey all life raft lashing gear. All worn or defective gear shall be documented and provided to the Contracting Officers Technical Representative via an as found condition report.

All previously transported life rafts shall be opened, serviced and Inspected in accordance with prevailing United States Coast Guard, Original Equipment Manufacture, and IMO Resolution A.761 rules and regulations. Provisions and or equipage determined to require replacement that exceeds normally required annual servicing renewal shall be documented and provided to the Contracting Officers Technical Representative via an as found condition report.

Upon completion of repairs and servicing, repack the life rafts in their container. Seal, label, and stencil the life raft containers indicating date of test and servicing facility.

Contractor shall convey from shop to ship, inspected raft assemblies and reinstall in their parent shipboard location.

PERFORMANCE CRITERIA / DELIVERABLES

Contractor will provide the Contracting Officers Technical Representative with two (2) copies of completed ISSETA Form Nr 197 for each serviced Life raft.

ITEM 207 PROVIDE COI SUPPORT LABOR SR 0101451

ABSTRACT

The intent of this item is for the contractor to provide up to a total of 120 hours of labor to assist the crew in addressing COI inspection deficiencies.

REFERENCES

46 CFR Chapter 1, Sub-Chapter R

LOCATION/DESCRIPTION

Various locations onboard the vessel.

NOTES

None.

STATEMENT OF WORK

In accordance with all regulatory body requirements, the Contractor shall provide all labor, materials and services to accomplish the intent of this item. In addition and at a minimum, the Contractor shall accomplish the following:

Contractor will have a mix of labor available to assist the crew with the correction of deficiencies that may arise during the accomplishment of USCG COI inspection.

Labor skills that may be needed and should be available are: Outside Machinist, Inside Machinist, Electrician, Pipefitter, and Welder.

Contractor is to bid a composite rate that will cover any of the labor skills listed in the preceding sentence. The COTR shall request the labor up to the anticipated 120 hours via a no cost delivery order. A delivery order will be written against the supplemental labor item in this work package, if additional labor support is required beyond the 120 anticipated hours needed, and a credit delivery order will be written, if less than 120 hours of labor support is required.

The Contractor shall track support required, and SHALL NOT provide more than the anticipated 120 hours of labor support without a negotiated delivery order being issued for additional labor support.

PERFORMANCE CRITERIA / DELIVERABLES

None

**ITEM 208 REPAIR CARGO WINCH FOUNDATIONS
SR 0101188**

ABSTRACT

The intent of this item is renew sections of the cargo winch foundations that are deteriorated.

REFERENCES

ABS Rules Part 7, Chapter 9, Section 6/1.3

46 CFR Chapter 1, Sub-Chapter R

LOCATION/DESCRIPTION

Upper Deck / Winch Machinery Room / Fwd Doghouse #1-#2 Holds

NOTES

None.

STATEMENT OF WORK

In accordance with all regulatory body requirements, the Contractor shall provide all labor, materials and services to accomplish the intent of this item. In addition and at a minimum, the Contractor shall accomplish the following:

Crop and renew the following deteriorated sections of the winch foundations (deteriorated areas have been marked by the crew):

- #1 Port Runner – 3/8 inch x 3 inch – 3 foot flat bar and 12 inch x 24 inch 3/8 inch plate
- #1 Stbd. Runner – 12 inch x 24 inch 3/8 inch plate
- #2 Stbd. Port Vang – 3/8 inch x 3 inch – 1 foot flat bar
- #2 Stbd. Runner – 3/8 inch x 3 inch – 2 foot flat bar and 12 inch x 24 inch 3/8 inch plate
- #2 Port Runner – 3/8 inch x 3 inch – 4 foot flat bar and 3/8 inch x 4 inch – 2 foot flat bar
- #1 Port Stbd Vang – 3/8 inch x 4 inch – 2 foot flat bar

Prime and paint new and disturbed areas to match surroundings.

PERFORMANCE CRITERIA / DELIVERABLES

New steel to be ABS certified. Present all ABS certificates to the attending ABS Surveyor and the MARAD COTR.

Welders to be ABS certified. Present all ABS certificates to the attending ABS Surveyor and the MARAD COTR.

Hot Work Certificates are to be posted for all welding evolutions.

Qualified and adequate numbers of fire watches are to be in place for all welding evolutions.

Prove all the work to the satisfaction of COTR, TSES Officers, ABS Surveyor and USCG.

ITEM 209 REPAIR MOTOR
SR 7120085
SR 7120635

ABSTRACT

The intent of this item is to recondition two spare electric motors (Cargo Reefer Compressor).

REFERENCES

ABS Rules Part 7, Chapter 9, Section 6/1.3

46 CFR Chapter 1, Sub-Chapter R

LOCATION/DESCRIPTION

Cargo Reefer Compressor Motor

Motor is shorted and has visible burning on the windings.

Nameplate data:

VOLT: 440

AMP: 68

Cycles: 60

RPM: 1775

HP: 51.8

PRESSURE: 300# TEST

PHASE: 3

NOTES

None.

STATEMENT OF WORK

In accordance with all regulatory body requirements, the Contractor shall provide all labor, materials and services to accomplish the intent of this item. In addition and at a minimum, the Contractor shall accomplish the following:

Pick-up spare motors from ship and transport to shop.

Accomplish the following for each motor: Disassemble, inspect all components, rewind armature and stator, dip and bake armature and stator, balance rotors, reassemble with new bearings, perform Hipot and operational tests.

Return motor to ship.

PERFORMANCE CRITERIA / DELIVERABLES

Satisfactory Hipot and operational tests.

Provide a written report noting all work performed.

Prove all the work to the satisfaction of COTR, TSES Officers, ABS Surveyor and USCG.

**ITEM 210 REPAIR AUXILIARY MACHINERY SPACE 8 INCH DUPLEX SEA STRAINER
SR 7120184**

ABSTRACT

The intent of this item is to repair the 8 inch duplex sea strainer located in the Auxiliary Machinery Space.

REFERENCES

ABS Rules Part 7, Chapter 9, Section 6/1.3

46 CFR Chapter 1, Sub-Chapter R

LOCATION/DESCRIPTION

Auxiliary Machinery Space

Hayward 8" Model #50 Duplex Strainer.

NOTES

AMS Sea Water Strainer Leaks by and cannot be shifted and cleaned. Stem seal leaks excessively.

STATEMENT OF WORK

In accordance with all regulatory body requirements, the Contractor shall provide all labor, materials and services to accomplish the intent of this item. In addition and at a minimum, the Contractor shall accomplish the following:

Disconnect strainer and properly blank inlet and outlet piping connections left open by strainer removal to prevent leakage.

Transport strainer to shop, disassemble and inspect.

Prepare a condition report noting findings and recommendations.

Machine valve plug and seating area to insure proper leak-free operation.

Build up and stem and sealing area to design sizes.

Reassemble valve with new gaskets, seals, O-Rings, and packing as required.

Shop test in the presence of the COTR and Regulatory Bodies.

Upon completing a satisfactory shop test, return valve to ship and reinstall using new gaskets.

Perform an operational test to prove work.

PERFORMANCE CRITERIA / DELIVERABLES

Satisfactory shop and operational tests.

Provide a written report noting all work performed.

Prove all the work to the satisfaction of COTR, TSES Officers, ABS Surveyor and USCG.

**ITEM 211 REPLACE FLOORING IN 14 HEADS AND SHOWERS
SR 7120159**

ABSTRACT

The intent of this item is to replace the flooring in 14 heads and showers.

REFERENCES

ABS Rules Part 7, Chapter 9, Section 6/1.3

46 CFR Chapter 1, Sub-Chapter R

LOCATION/DESCRIPTION

Bridge Deck Room N-5 (Captain's Room)
Boat Deck Rooms B-4, B-6

Upper Deck Old House U-2, U-3, U-7, U-14

Cabin Deck Rooms C-1, C-2, C-3, C-4, C-6, C-7, C-8

14 spaces each approximately 27 sq. ft. for a total of 378 sq. ft.

NOTES

None

STATEMENT OF WORK

In accordance with all regulatory body requirements, the Contractor shall provide all labor, materials and services to prepare designated areas and install an epoxy flooring system. In addition and at a minimum, the Contractor shall accomplish the following:

Make all necessary preparations to contain dust, dirt, and debris generated during the removal of the existing decking.
Remove and store toilets and deck fixtures. Plug deck drains to prevent contamination.

Remove and properly dispose of approximately 400 square feet of Terrazzo decking and underlayment in accordance with Federal, State, and Local regulations. All materials are to be removed down to the steel decks. The contractor shall be

responsible to properly remove from the vessel and the academy grounds all removed decking, spent material containers, and other waste material generated by this work item and dispose of it in accordance with all local, state, and federal regulations

Remove all loose mill scale, loose rust, loose paint, and other loose detrimental foreign matter by power

wire brushing, power sanding, power grinding, power tool chipping, and power tool de-scaling (SSPC-SP3

standard applies). Visually inspect decks for any deteriorated steel. Prepare and submit a report to the COTR noting findings and recommendations.

Provide and apply two (2) coats of a marine epoxy primer compatible to the finish epoxy terrazzo flooring system to be used. Finish thickness of 8 mm. dry film thickness. Allow to cure for five (5) days, and then provide and apply a trowel-in type marine grade "Monorazzo" or equal epoxy terrazzo flooring system. Color to be selected by the Chief Mate.

All materials provided by contractor shall be received on board in the original containers and clearly marked as to the contents. A copy of the MSDS sheets shall be delivered to the COTR prior to commencement of any work.

Remove deck drain covers and install plugs in the deck drains, and hold an inspection with the COTR prior to the commencement of work. Prepare the surfaces of the designated shower room decks by lightly sanding to provide an acceptable surface for adhesion of the new sealant and seal decks.

Reinstall toilets and deck fixtures.

All dust and debris generated by this item shall be removed and cleaned by the contractor.

PERFORMANCE CRITERIA / DELIVERABLES

Prove all the work to the satisfaction of COTR, TSES Officers, ABS Surveyor and USCG.

All drains must be proved clear to Chief Engineer at completion of work.

ITEM 212 REPLACE MCQUAY HEAD PRESSURE REGULATOR SR 7120170

ABSTRACT

The intent of this item is to install a replacement positioner and valve assembly that will operate with new A/C compressor control panel.

REFERENCES

ABS Rules Part 7, Chapter 9, Section 6/1.3

46 CFR Chapter 1, Sub-Chapter R

LOCATION/DESCRIPTION

Auxiliary Machinery Room

NOTES

A/C Compressor Head Pressure Regulating Valve Positioner does not function properly. Head Pressure Regulator is driven by a Loop Controller with a 4-20 ma Output and Pressure Sensor Input. McQuay International stated they can integrate the control loop into the newly installed Compressor Control Panel or the existing controller can be retained. The Final Control Element is a Worchester Valve Positioner/Actuator Mounted on a 6" Butterfly Valve. Butterfly Valve is a lug mounted valve installed in a Cu-Ni brazed saltwater line. Worchester PMV Positioner, Worchester Model 20-39 Actuator, Honeywell Loop Controller. New installation must include an extreme duty control air filter regulator

STATEMENT OF WORK

In accordance with all regulatory body requirements, the Contractor shall provide all labor, materials and services to accomplish the intent of this item. In addition and at a minimum, the Contractor shall accomplish the following:

Contractor to survey valve and install modern positioner and valve assembly that will operate with new compressor control panel.

PERFORMANCE CRITERIA / DELIVERABLES

Satisfactory operational test.

Prove all the work to the satisfaction of COTR, TSES Officers, ABS Surveyor and USCG.

**ITEM 213 REMOVE AND DISPOSE OF SLOPS
SR 0101450**

ABSTRACT

The intent of this item is to remove and dispose slops (oily water)

REFERENCES

ABS Rules Part 7, Chapter 9, Section 6/1.3

46 CFR Chapter 1, Sub-Chapter R

LOCATION/DESCRIPTION

Various tanks and bilges to be designated by the Chief Engineer

NOTES

None

STATEMENT OF WORK

In accordance with all regulatory body requirements, the Contractor shall provide all labor, materials and services to accomplish the intent of this item. In addition and at a minimum, the Contractor shall accomplish the following:

Provide a price/gallon cost to remove and properly dispose of a minimum of 5,000 gallons of oily water from the vessels bilges and tanks as designated by the Chief Engineer.

Disposal to be in accordance with all Federal, State, and Local Laws and Regulations.

Contractor to install an oil boom when contaminated water is being transferred from the vessel to a barge or a tank truck.

A credit delivery order will be issued for any amount removed that is less than 5,000 gallons based on a pro-rated price per gallon based on the bid price. A delivery order will be issued for any removed that is greater than 5,000 gallons, but less than 6,000 gallons based on a pro-rated price per gallon based on the bid price. Any amounts over 6,000 gallons will be addressed by a negotiated delivery order.

PERFORMANCE CRITERIA / DELIVERABLES

Copies of disposal manifests shall be submitted

ITEM 214 REPLACE 3 HOLD AFT LADDER-WELL DOOR SR 7120738

ABSTRACT

The intent of this item is to replace the 3 Hold Aft Ladder-well Watertight Door.

REFERENCES

ABS Rules Part 7, Chapter 9, Section 6/1.3

46 CFR Chapter 1, Sub-Chapter R

Type WT-OA Drawing Number 805162.

LOCATION/DESCRIPTION

3 Hold Aft Ladder-well, Frame 85.

Watertight Door is 30 x 66 inches with 10 quick-action dogs

NOTES

None

STATEMENT OF WORK

In accordance with all regulatory body requirements, the Contractor shall provide all labor, materials and services to accomplish the intent of this item. In addition and at a minimum, the Contractor shall accomplish the following:

Replace existing door with USCG/ABS approved door.

Any hot work associated with this work scope shall be accomplished using fire watches, with Contractor furnished extinguishers. Fire watches shall be stationed on both sides of the surfaces where the hot work is being performed.

All new and disturbed areas shall be coated/recoated to match the surrounding surfaces using a marine grade coating approved by the COTR.

PERFORMANCE CRITERIA / DELIVERABLES

Prove all the work to the satisfaction of COTR, TSES Officers, ABS Surveyor and USCG.

SECTION 300: OPTION ITEMS

ITEM 301 - SUPPLEMENTAL LABOR (OPTIONAL)

ABSTRACT

It is the intent of this item to provide supplemental labor to accomplish additional work if authorized.

REFERENCES

N. A.

LOCATION /DESCRIPTION

N. A.

NOTES:

N. A.

STATEMENT OF WORK

Contractor shall furnish a unit price quote for 500 man-hours of supplemental labor. This shall be a fully burdened labor rate, and is applicable seven days a week (i.e. no overtime, penalty time or other escalations will apply). These hours will only be allocated for industrial labor. Supervision, management, QA, yard maintenance and other such labor is considered part of the rate burden. When Supplemental Labor is required by the MARAD, a Contractor-submitted Condition Report with fully documented price quotations shall be documented by a work structure breakdown on a Contractor-developed estimating form, as an attachment to the Condition Report. Supplemental hours, if authorized, will be allocated by the COTR via Delivery Orders. No oral directions shall be accepted by the

Contractor or its personnel from any individual other than the COTR. Any oral direction provided by the COTR other than guidance on existing tasking shall be documented via Delivery Order Request for Pricing within 24 hours. All tasking provided by the COTR will normally be in writing, and no work shall begin on any tasking of an other than emergency nature until received by the Contractor, negotiated and settled by the COTR and/or the

Contracting Officer. Any questions, concerns or disputes of tasking given (including challenges as to whether items are within scope or genuine new work) shall be presented to the Contracting Officer in writing for resolution.

PERFORMANCE CRITERIA / DELIVERABLES

None additional

ITEM 302 - SUPPLEMENTAL MATERIAL (OPTIONAL)

ABSTRACT

All Contractors shall include in their quote \$20,000 for material charges, in the event this is needed and ordered by the COTR for supplemental growth.

REFERENCES

N. A.

LOCATION /DESCRIPTION

N. A.

NOTES:

N. A.

STATEMENT OF WORK

Contractor shall provide an allowance for up to \$20,000 in Supplemental Material charges. There shall be no burden on these charges for either subcontracted costs or material charges. If Supplemental Material is required, it will be allocated by the COTR via Delivery Orders. The Contractor shall provide to the COTR invoices for goods or services applicable to Supplemental Material charges for each Delivery Order with material charges in excess of \$250. Negotiations based on material estimates will be credited or debited accordingly, once the actual material invoice is received by the COTR. All material invoices must be received no later than the completion of each Delivery Order. Retain age will not be released until all material invoices have been received and approved by the COTR. The contract cannot be closed out until all material invoices are submitted, or Delivery Orders will be debited accordingly.

PERFORMANCE CRITERIA / DELIVERABLES

None additional

ITEM 303 - SUPPLEMENTAL STEEL (OPTIONAL)

ABSTRACT

It is the intent of this CLIN to provide contracted pricing to accomplish additional steel repairs, if authorized.

REFERENCES

ABS Rules for the Classing of Steel Vessels

CFR 46

LOCATION /DESCRIPTION

N. A.

NOTES:

This item requires two (2) separate quotations: 303A & 303B.

STATEMENT OF WORK

The Contractor shall provide a quote per pound for structural steel renewal. These prices are to include prep, crop, dressing, installation, services and materials required for hull, tanks, decks, hatch covers/coamings both new and inserted, but do not apply to steel tasking of less than 500 pounds installed.

These prices are not applicable to foundations, bedplates, stanchions and supports or other small, complex fabrications. These unit prices shall be pro-rated up or down from this unit pricing. Each price shall include ripout, disposal, fabrication, installation and coating to match surroundings. Removal of fluids, flammables, insulation, interferences or gas-free services shall not be included in this baseline price. All steel renewals covered by this item will be awarded by delivery order against Supplemental Labor or Material at the discretion of the COTR based on unit pricing. Such unit priced steel work will not be subject to the invoice submittal requirements otherwise imposed on Supplemental Materials, however, any support charges (removal and disposal of fluids, Marine Chemist services, insulation removal and reinstallation, dedicated crane support not covered elsewhere, etc.) will remain subject to such requirements.

ITEM 303A Contractors shall provide a quotation for an estimated 2,000 pounds of flat steel.

ITEM 303B Contractors shall provide a quotation for an estimated 1,000 pounds of rolled steel.

PERFORMANCE CRITERIA / DELIVERABLES

Prove all the work to the satisfaction of COTR and TSES Officers

Item No. 304 AUDIO GAUGINGS (OPTIONAL)

ABSTRACT

The intent of this work Item is to record additional sets of audio gauging as may be required by ABS Surveyor(s) and USCG Inspectors during dry-dock credit inspections.

REFERENCE

ABS Rules for Building and Classing Steel Vessels

CFR 46

ITEM LOCATION / DESCRIPTION

N.A.

NOTE

None

STATEMENT OF WORK REQUIRED

Quote unit price per audio gauging reading, price shall be including labor, material, equipment, staging, and ABS qualified NDT technicians as required to perform audio gauging. Estimated minimum gauging will be 100 readings and maximum will not be over 1000 readings.

PERFORMANCE CRITERIA / DELIVERABLES

Prove all the work to the satisfaction of COTR and TSES Officers and attending ABS Surveyors.

ITEM 305 RENEW INSULATED DECKING AND WASTED STEEL IN REEFER BOXES 4 AND 6 (OPTIONAL)

SR 0101200

ABSTRACT

It is the intent of this item is for the contractor to remove the insulated decking in reefer boxes number 4 and 6, to crop and renew wasted steel in way of decks, and to install new insulated decking. Note that the reefer box decks are common with the overhead of the cadet berthing compartment that is directly under the reefer boxes.

REFERENCES

ABS Rules Part 7, Chapter 9, Section 6/1.3

46 CFR Chapter 1, Sub-Chapter R

LOCATIONS

Reefer boxes numbers 4 and 6 port side 2nd deck 4 hold.

158 person cadet berthing compartment port side 3rd deck 4 hold.

NOTES

None additional

STATEMENT OF WORK

In accordance with all regulatory body requirements, the Contractor shall provide all required labor, materials and services to accomplish the intent of this work item, and at a minimum accomplish the following:

Make all necessary preparations to contain dust, dirt, and debris generated during the removal of the insulated decking. Remove and properly dispose of approximately 400 square feet of insulated decking and underlayment in accordance with Federal, State, and Local regulations. All materials are to be removed down to the steel decks.

Remove all loose mill scale, loose rust, loose paint, and other loose detrimental foreign matter by power

wire brushing, power sanding, power grinding, power tool chipping, and power tool de-scaling (SSPC-SP3

standard applies).

Visually inspect decks for any deteriorated steel. Take 80 ultrasonic thickness readings in a grid pattern in each reefer box. Prepare and submit a report to the COTR noting findings and recommendations. Note that there are visual signs of water leakage in the overhead of the cadet berthing space under the forward end of reefer box number 6.

For estimating purposes, the contractor is to bid on cropping and renewing 100 square feet of steel decking in the forward end of reefer box number 6. Any additional steel replacements will be addressed by a delivery order using contractors bid price for additional steel replacement per square foot.

Prime and paint new and disturbed steel in reefer boxes prior to installing new insulated decking. Install new insulated decking in reefer boxes.

Prime and paint disturbed area in the cadet berthing space to match surroundings.

Clean up and dispose of all industrial waste in accordance with all Federal, State, and Local Rules and Regulations.

Prove all deck drains clear.

PERFORMANCE CRITERIA / DELIVERABLES

New steel to be ABS certified. Present all ABS certificates to the attending ABS Surveyor and the MARAD COTR.

Welders to be ABS certified. Present all ABS certificates to the attending ABS Surveyor and the MARAD COTR.

Hot Work Certificates are to be posted for all welding evolutions.

Qualified and adequate numbers of fire watches are to be in place for all welding evolutions.

Prove all deck drains clear.

Prove all the work to the satisfaction of COTR, TSES Officers, ABS Surveyor and USCG.

ITEM 306 REFURBISH PANAMA ROLLER CHOCKS AND REPLACE AND TEST PAD EYES

SR 7120733

SR 7120734

SR 7120735

ABSTRACT

The intent of this item is to refurbish the panama roller chocks, replace a missing pad eye, and test pad eyes.

REFERENCES

ABS Rules Part 7, Chapter 9, Section 6/1.3

46 CFR Chapter 1, Sub-Chapter R

LOCATION/DESCRIPTION

Roller Chock #5 STBD Fwd

Roller Chock #11 STBD Aft

Roller Chock #21 Port Aft

Roller Chock #27 Port Fwd

Fixed Chock just aft of container on deck aft.

One (1) Pad Eye to be replaced - port side main deck outside door by sick bay at frame 141.

14 Pad Eyes to be tested.

NOTES

None

STATEMENT OF WORK

In accordance with all regulatory body requirements, the Contractor shall provide all labor, materials and services to accomplish the intent of this item. In addition and at a minimum, the Contractor shall accomplish the following:

Completely disassemble each roller chock and thoroughly remove all loose paint, rust, and other loose detrimental foreign matter from all components by power wire brushing, power sanding, power grinding, power tool chipping, and power tool de-scaling (SSPC-SP3 standard applies). Visually inspect decks for any deteriorated steel. Prepare and submit a report to the COTR noting findings and recommendations.

Refurbishment chocks by sizing of roller pin bearing areas to an undersized diameter and manufacturing of new bushings and sleeves fitted with grease points. Chocks have removable and fixed plates that serve as bearing saddle/holders. Removable and fixed plates will require reborings for new bearings; fixed plates will have to be removed and replaced or rebored in place.

Prime, paint, and reassemble roller chocks after machining work is completed.
Demonstrate that roller move smoothly in each chock.

As part of this work item, also accomplish the following work:

Crop and insert new 3 inch by 3 inch steel sections in the roller chock on the quarter on the fantail and in the closed chock just aft of the container on deck.

Install a replacement pad eye port side main deck outside door by sick bay at frame 141 that was ripped off by a tug boat.

Prime and paint new pad eye to match surroundings.

Load test new pad eye and 14 pad eyes on main deck located between frames 150 and 175 to 2-tons.

PERFORMANCE CRITERIA / DELIVERABLES

Demonstrate that roller move smoothly in each chock.

Satisfactory load test of new pad eye.

Prove all the work to the satisfaction of COTR, TSES Officers, ABS Surveyor and USCG.

ITEM 307 REPAIR OF PORT AND STBD. ACCOMMODATION LADDER WINCHES
SR 7120322
SR 7120323
SR 7120739

ABSTRACT

The intent of this item is to open, inspect, repair/reassemble and test the port and stbd. gangway accommodation ladder winches.

REFERENCES

ABS Rules Part 7, Chapter 9, Section 6/1.3

46 CFR Chapter 1, Sub-Chapter R

LOCATION/DESCRIPTION

The Winches are New England Trawler Model X-2261 5 HP Electric Winches. They are fitted with US Motors Model E-398 184TC Frame Motors, 450 VAC, Stearns 1-087-732-01-008 Electric Brakes, and Hansen Transmission Model JKNU53C71U gearboxes

NOTES

STATEMENT OF WORK

In accordance with all regulatory body requirements, the Contractor shall provide all labor, materials and services to accomplish the intent of this item. In addition and at a minimum, the Contractor shall accomplish the following:

Disconnect winches and transport to contractor's facility/shop.

Disassemble winches. Thoroughly clean and inspect all parts.

Prepare an as found condition report with recommendations.

Reassemble winches with new bearing, seals, gaskets, brake linings, and fasteners.
Any additional parts needing to be replaced will be addressed by a negotiated delivery order.

Return winches to vessel and reinstall using new fasteners.

In addition to repairing winches, as part of this item, repair the cracked weld in the last step on the port side accommodation ladder by welding. Note ladder is aluminum.

Test and adjust brakes and operationally test accommodation ladders.

PERFORMANCE CRITERIA / DELIVERABLES

Prepare and submit a report noting all work performed.

Satisfactory operational test.

RFP: DTMA-92-R-2012-0001
TS Empire State Pre-Cruise Pkg, Q&A's

Amendment 0002

1. Item 213 Remove & Dispose of Slop

Question: Is there a piping system from the tank in the engine room to the deck that can be used?

ANSWER: YES, BUT this requires cooperation with the crew to operate the Ships' System and MARAD CANNOT GAURANTEE CREW COOPERATION.

2. Item 303 Supplemental Steel

Question: What square foot weight of steel is the price to be based on?

ANSWER: 20.4#

3. Item 305 Renew Insulated Decking & Wasted Steel in Reefer Boxes #4 & 6

Question: What material is the insulation? If unknown, is it to be treated as asbestos until tested? Also, is the paint removal to be considered lead paint?

ANSWER: Insulation should be suitable for this application.

ANSWER: IS NOT ASBESTOS.

ANSWER: IS NOT LEAD PAINT.

4. Commercial Items

Question: In the Satisfactory Relevant Past Performance, is only MARAD work acceptable or is commercial or industrial work acceptable?

ANSWER: As stated in the RFP, "**Proposal Submission Instructions**", para. 3. Satisfactory Relevant Past Performance, " a. Provide a listing of **contracts related to the service provided with the Statement of Work for this Pre-Cruise package**, completed within the past 3 years involving vessels of similar characteristics to those of the T/S Empire State or larger (i.e., MARAD Ready Reserve Force Vessels)...". This means you can list all contracts you have been involved with as a Prime or Subcontractor, not just for MARAD, Commercial or Industrial work.

5. Amendment #1

Question: This contract requires the contractor to use, at the request of MARAD, specialty contractors for work listed. What if their work makes up more than 50% of the contract?

ANSWER: Yes, if the work makes up more than 50% of the contract is acceptable. The Statement of Work requires the Contractor to provide labor, materials, and equipment to perform specific services. The FAR Clause 52.219-14, Limitation of Subcontracting, in part, states, "...b) By submission of an offer and execution of a contract, the Offeror/Contractor agrees that in performance of the contract in the case of a contract for— (1) *Services (except construction)*. **At least 50 percent of the cost of contract performance incurred for personnel shall be expended for employees of the concern.**

6. Question: We have several questions regarding the work and our logistical concerns aboard TS EMPIRE STATE. Drawings for the Midship Section, Hold, Tank Top and Deck Plans, Inboard profile.

ANSWER: Drawings are available for use on the ship from the Chief Engineer; none were requested at site visit.

7. Question: The findings of previous tests and/or surveys.

ANSWER: There are none.

8. Question: Use of ship's gear for equipment and material handling

ANSWER: This requires cooperation of the ship's crew, MARAD CANNOT GAURANTEE CREW'S COOPERATION so Contractor should make their own arrangements and not rely on ship's gear.

9. Question: Access to ship off hours (two or three shifts may be required to complete the work on time)

ANSWER: Work hours are between 0700 hours and 1700 hours Monday thru Friday and no weekends or holidays.

10. Question: The possible need to bring a barge or vessel alongside for tank cleaning and disposal of contaminated fluids

ANSWER: Crew is not available to handle a vessel alongside.

11. Question: Are we allowed to use the sanitary facilities on board or do we have to provide our own?

ANSWER: No, Contractor must provide your own.