

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE	PAGE OF PAGES 1 8
2. AMENDMENT/MODIFICATION NO. <b>A00032</b>	3. EFFECTIVE DATE <b>See BLK 16</b>	4. REQUISITION/PURCHASE REQ. NO. <b>HSCG23-06-D-ARB001</b>	5. PROJECT NO. (If applicable) <b>RB-M</b>	
6. ISSUED BY Administrative Contracting Office 1600 Ely Street Marinette WI. 54143-2434 Gail.S.Thomas@uscg.mil		7. ADMINISTERED BY (If other than Item 6) <b>N/A</b>		
8. NAME AND ADDRESS OF CONTRACTOR (No. Street, county, State and ZIP: Code)  <b>Marinette Marine Corporation, Inc. 1600 Ely Street Marinette, WI 54143 DUNS #00-613-5388</b>			(4)	9A. AMENDMENT OF SOLICITATION NO.
				9B. DATED (SEE ITEM 11)
			<b>X</b>	10A. MODIFICATION OF CONTRACT/ORDER NO. <b>HSCG23-06-D-ARB001</b>
				10B. DATED (SEE ITEM 13) <b>21JUN2006</b>
CODE	FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  is extended,  is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning one (1) copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and data specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) **N/A**

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

(4)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. <b>X 52.243-1 CHANGES – FIXED PRICE (AUG 1987)</b>
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER Specify type of modification and authority)

E. IMPORTANT: Contractor  is not,  is required to sign this document and return 1 copy to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

This Modification sets forth interim values for the effort associated with Engineering Change Proposal (ECP) ECP-001 entitled, "Main Engine Raw Water Cooling System Strainer" for Hulls 45613 – 45620, and ECP-044 entitled, "Incorporation of Additional Weld and Hose Log Details into CDRL 085-002". The change in Contract effort associated with ECP-001 will be awarded by a forthcoming Delivery Order to a new Change CLIN 2003bc. The change in Contract effort associated with ECP-044 will be awarded by a forthcoming Delivery Order to CLIN 1009.

(CONTINUED ON NEXT PAGE)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) <b>GAIL S. THOMAS, USCG</b>	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
		BY	

- A. The Coast Guard issued a Request of Proposal (RFP) and Direction to Proceed (DTP) on 5 April 2007, USCG letter 042-R0092, for the effort associated with ECP-001 entitled, “Main Engine Raw Water Cooling System Strainer” for Hull 45601. Addendum 1 was issued on 24 April 2008, USCG letter 068-R0542, for Hulls 45602 - 45612. Addendum 2 was issued on 11 June 2008, USCG letter 068-R0606, for Hulls 45613 – 45630. Addendum 3 was issued on 9 October 2008, USCG letter 068-R0718, to request a proposal for Hulls 45613 – 45630. MMC’s initial proposal was received on 3 December 2007. Revision A was received on 30 January 2008. Revision B was received on 19 September 2008. E-mail, dated 30 March 2009, from MMC provided revised pricing for boats 13 – 30 in which the J1942 hose portion was removed due to USCG decision to implement as ECP-040 for boats 13 - 250. For equity considerations, this Modification sets forth an interim ECP value for the effort described therein, so that progress payments may be made for the work effort of ECP-001. It is the Government’s intent to adjust the value of CLIN 2003bc upon completion of negotiations, thereby establishing a final ECP price. Modification A00024 definitized the Non-Recurring costs and Recurring costs for Hulls 45601 – 45612 only. The Government is still in the process of making a determination regarding the material of the main engine raw water strainers for Hulls past 45630. A future Modification will definitize Hulls 45613 – 45630, and add the Scope of Work and the Contractual Change Language.
- B. The Coast Guard issued a Request for Proposal (RFP) and partial Direction to Proceed (DTP) on 23 July 2008, USCG letter 068-R0638, for a proposal for the effort associated with ECP-044 entitled, “Incorporation of Additional Weld and Hose Log Details into CDRL 085-002” with a Not-to-Exceed (NTE) value of \$20,000. Addendum 1 was issued on 3 December 2008, USCG letter 068-R0751, raising the NTE to \$430,000 and giving Marinette Marine Corporation (MMC) a full DTP. Addendum 2 was issued on 27 January 2009, USCG letter 068-R0797, further revising the change language in Statement of Work Section 085. MMC’s initial proposal was received on 10 February 2009. Addendum 1 to the proposal was received on 1 April 2009. For equity considerations, this Modification sets forth an interim ECP value for the effort described therein, so that progress payments may be made for the work effort of ECP-044. It is the Government’s intent to adjust the value of CLIN 1009 upon completion of negotiations, thereby establishing a final ECP price. This Modification incorporates the change language associated with ECP-044. The USCG also incorporates new requirements in Statement of Work (SOW) Section 085-2.10.3 and reworded requirements in SOW Section 085-2.9, which are effective as of the date of this Modification.
- C. PART I – THE SCHEDULE, SECTION B - SUPPLIES OR SERVICES AND PRICES:
- a. Section B.1.1.b Firm Fixed Price Line Item, CLIN 1009, entitled, “Post Award Changes to RB-M Detailed Design” is increased by \$130,000 from \$617,775 to \$747,775.
  - b. Section B.1.1.b Firm Fixed Price Line Item, CLIN 2003bc, “Post Award Changes to Hulls 13 – 20” is added at initial value of \$208,000 or \$26,000 per hull.
  - c. Section B.1.1.b Firm Fixed Price Line Item, CLINs 1003b, 1003c, 2003a, 2003b, 2003c, 2003d, 3003a, 3003b, and 3003c have been revised to update their descriptions to reflect actual usage.

D. PART III, LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS, SECTION J, ATTACHMENT 1 – STATEMENT OF WORK:

- a. Revise paragraph 085-2.6, reference ECP-044.
  - b. Add paragraph 085-2.6.1, reference ECP-044.
  - c. Add paragraph 085-2.9, reference ECP-044.
  - d. Add paragraphs 085-2.9.1 through 085-2.9.13, reference ECP-044.
  - e. Add paragraph 085-2.10, reference ECP-044.
  - f. Add paragraph 085-2.10.1, reference ECP-044.
  - g. Add paragraphs 085-2.10.1.1 through 085-2.10.1.3, reference ECP-044.
  - h. Add paragraphs 085-2.10.2 and 085-2.10.3, reference ECP-044.
- E. This Modification does not obligate Government funds. The change in Contract effort associated with this Modification will be awarded by forthcoming Delivery Orders.
- F. All other Contract requirements remain unchanged.
- G. This completes block 14.

ITEM #	SUPPLIES/ SERVICES	UNIT	PRICE
	more than once under this contract.		
1003a [Orig]	Hulls 1-8	EACH	<u>\$1,927,156</u>
1003ac [A00024]	Post Award Changes to Hulls 1-8	EACH	<u>\$27,243</u>
1003b [A00032]	Hulls 9-12	EACH	<u>\$1,896,800</u>
1003bc [A00024]	Post Award Changes to Hulls 9-12	EACH	<u>\$27,243</u>
1003c [A00032]	Hulls 21-36 <b>(UNUSED)</b>	EACH	<u>\$1,886,811</u>
1004 [Orig]	RB-M Cradle (as described in Section C.7)	EACH	<u>\$16,222</u>
1005 [Orig]	Display Model (as described in C.8)	EACH	<u>\$15,340</u>
1009 [A00032]	Post Award Changes to RB-M Detailed Design	JOB	<u>\$747,775</u>
1010 [A00027]	Post Award Changes Other Than RB-M Detailed Design	JOB	<u>\$243,029</u>
<b>PRICE PERIOD TWO</b>			
2001 [A00003]	Project Management (as described in Section C.4). This CLIN is required whenever work, other than that associated with warranty administration, under 1002, 1009, x003, x004, x005, x006, x007, or x008 is ongoing. The Government may order any quantity of months under this CLIN provided that the performance period is limited this price period.	MONTH	<u>\$510,426</u>
2002 [Orig]	Vacant	N/A	<u>N/A</u>
2003 [Orig]	Response Boat - Medium (as described in Section C.6). Hulls refers to a range of total consecutive RB-Ms ordered under this contract (i.e. hull 9 cannot be ordered until hull 8 is ordered). The Government may order all or any part of this CLIN during this price period, provided that an individual hull may not be ordered more than once under this contract		
2003a [A00032]	Hulls 1-8 <b>(UNUSED)</b>	EACH	<u>\$2,055,228</u>
2003b [A00032]	Hulls 13-20	EACH	<u>\$1,896,800</u>
2003bc [A00032]	<b>Post Award Changes to Hull 13-20</b>	<b>EACH</b>	<u><b>\$26,000</b></u>
2003c [A00032]	Hulls 21-30	EACH	<u>\$1,886,811</u>

ITEM #	SUPPLIES/ SERVICES	UNIT	PRICE
2003d [A00032]	Hulls 37-66 <b>(UNUSED)</b>	EACH	<u>\$1,887,154</u>
2004 [Orig]	RB-M Cradle (as described in Section C.7)	EACH	<u>\$16,637</u>
2005 [Orig]	Display Model (as described in C.8).	EACH	<u>\$15,732</u>
<b>PRICE PERIOD THREE</b>			
3001 [A00003]	Project Management (as described in Section C.4). This CLIN is required whenever work, other than that associated with warranty administration, under 1002, 1009, 1010, x003, x004, x005, x006, x007, or x008 is ongoing. The Government may order any quantity of months under this CLIN provided that the performance period is limited to this price period.	MONTH	<u>\$495,446</u>
3002 [Orig]	Vacant	N/A	<u>N/A</u>
3003 [Orig]	Response Boat - Medium (as described in Section C.6). Hulls refers to a range of total consecutive RB-Ms ordered under this contract (i.e. hull 9 cannot be ordered until hull 8 is ordered). The Government may order all or any part of this CLIN during this price period, provided that an individual hull may not be ordered more than once under this contract.		
3003a [A00032]	Hulls 1-8 <b>(UNUSED)</b>	EACH	<u>\$2,132,152</u>
3003b [A00032]	Hulls 9-20 <b>(UNUSED)</b>	EACH	<u>\$2,085,873</u>
3003c [A00032]	Hulls 31-36	EACH	<u>\$1,886,811</u>
3003d [Orig]	Hulls 37-66	EACH	<u>\$1,887,154</u>
3003e [Orig]	Hulls 67-96	EACH	<u>\$1,900,483</u>
3004 [Orig]	RB-M Cradle (as described in Section C.7)	EACH	<u>\$17,051</u>
3005 [Orig]	Display Model (as described in C.8)	EACH	<u>\$16,124</u>
<b>PRICE PERIOD FOUR</b>			
4001 [A00003]	Project Management (as described in Section C.4). This CLIN is required whenever work, other than that associated with warranty administration, under 1002, 1009, 1010, x003, x004, x005, x006, x007, or x008 is ongoing. The Government	MONTH	<u>\$474,251</u>

offsets, or dimensions on the body of the drawing or some combination. Depicting and dimensioning or providing tables of offsets for typical rulings of developable surfaces is not required, though it is encouraged.

**085-2.6 [A00032]** All structure shall be depicted on structural arrangement drawings. Location and configuration of all structural components including holes for fasteners, piping or wiring shall be dimensioned even if they are numerically cut. Note that this allows components forming the molded surface of the hull to be derived from dimensions disclosed on the lines drawing, so such components need not be separately dimensioned on their structural arrangement drawing. Structural drawings shall include welding.

**085-2.6.1 [A00032]** All welding in structural drawings, or any other drawing that requires welding fabrication, shall be represented by welding symbols included in the drawing where the weld occurs

**085-2.7 [Orig]** In order to meet the intent of the ISM, the product drawings and associated lists with identifying numbers and other associated data as outlined in the Master Equipment Configuration List (MECL) shall be derived from a file or group of files by automated processes that maintain the integrity of the ISM.

**085-2.8 [Orig]** 2D Engineering drawings shall be prepared in accordance with the following:

085-2.8.1 [Orig] A drawing number assignment report shall be submitted ([CDRL 085-003](#)).

085-2.8.2 [Orig] Engineering drawing practices as defined by ASME [Y14.100-2004](#) (including non-mandatory appendices A-E), [Y14.24-1999](#), [Y14.34M-1996](#), [Y14.35M-1997](#), [Y14.41-2003](#).

085-2.8.3 [Orig] Title Blocks will be provided as GFI in electronic format to the contractor after contract award.

085-2.8.4 [Orig] Drawing numbers and Title Block Numbering Convention will be assigned by the USCG Engineering Logistics Center (ELC) code 05T and will be in the following format, <length><sub-class><vessel class>-<Dwg. SWBS>-<Ser. No.> (e.g. 45RBM-100-001).

085-2.8.5 [Orig] USCG signature authority for drawings will be the PRO.

085-2.8.6 [Orig] Dimensions - A separate named dimension style shall be produced and retained in the drawing file for each scale or style used. The dimension style name should include a component that indicates the model space to paper space scaling factor, e.g. "P48" would indicate a dimension style with a DIMLFAC setting of 48 (1/4" =1'-0"). Dimensions shall be associative and not be exploded.

**085-2.9 [A00032]** The Contractor shall develop and submit an additional drawing that is comprised of normally fixed technical data listed in the Hose Log ([CDRL 085-007](#)). This drawing shall be identified as 45RBM-505-001, Hose and Hose Assemblies in the Drawing Number Assignment Report, ([CDRL 085-003](#)). Specifically, the following items from [CDRL 085-007](#) shall be identified in the Hose and Hose Assemblies drawing:

**085-2.9.1 [A00032]** Hose Assy Part No

**085-2.9.2 [A00032]** Hose Assy SW Name

- 085-2.9.3 [A00032] Drawing Reference #
  - 085-2.9.4 [A00032] Assy Weight (lbs)
  - 085-2.9.5 [A00032] Hose Description
  - 085-2.9.6 [A00032] Hose Length (inches)
  - 085-2.9.7 [A00032] Hose Size (inches)
  - 085-2.9.8 [A00032] Inlet Fitting Part No
  - 085-2.9.9 [A00032] Inlet Fitting Description
  - 085-2.9.10 [A00032] Outlet Fitting Part No
  - 085-2.9.11 [A00032] Outlet Fitting Description
  - 085-2.9.12 [A00032] Design Pressure (psi)
  - 085-2.9.13 [A00032] Test Pressure (psi)
- 085-2.10 [A00032] In addition to the resources the Contractor requires to provide and maintain the 2D and 3D TDPs and support RB-M System requirements, the Contractor shall provide the following full time equivalent positions to support the Coast Guard in continued development of the 2D and 3D TDPs. These representatives shall, on a best effort basis, modify the organization of the 2D and 3D TDPs as agreed between the Contractor and the Government, and provide additional views and details as directed by the Government to ensure they are consistent with existing and emerging Coast Guard logistics systems and sustainment efforts. These representatives must possess excellent communications skills, be fully versed with the technical aspects of the software systems being used, with particular proficiency and expertise in Solidworks and Autodesk Drawing Format. The representatives must be fully versed in the engineering drawing practices required in SOW Section 085-2.8.2. The representatives must be fully versed in the RB-M and its systems, be fully versed in the existing 2D and 3D TDPs, the current state of RB-M design, and be fully capable of implementing solutions, including the actual modification of 2D drawings and the 3D model. Any required travel or other direct costs associated with the performance of their duties must be authorized by the Contracting Officer in advance as part of a task order against CLIN x006 or x007, as appropriate:
- 085-2.10.1 [A00032] Two representatives shall begin to make modifications to the 2D and 3D TDPs beginning on 01 January 2009 and work on a best effort basis through 31 December 2009.
    - 085-2.10.1.1 [A00032] These two representatives shall normally be located at a facility of the Contractor's choosing. However, the representatives shall work 1 day every two weeks at the Coast Guard PRO facility in Kent, WA to review progress, seek clarifications, jointly review products and receive new direction for modification of the 2D and 3D TDPs as it relates to emerging logistics and sustainment efforts.
    - 085-2.10.1.2 [A00032] These two representatives shall be used to implement the changes to the 2D and 3D Technical Data Packages included in the requirements under Engineering Change Proposal number forty-four (ECP-044). The Contractor shall provide updates on progress for

**this effort at the bi-weekly meetings defined in SOW Section 085-2.10.1.1.**

**085-2.10.1.3 [A00032] These two representatives, if directed by the Government and agreed to by the Contractor, may be used to implement the changes to the 2D and 3D Technical Data packages resulting from other Engineering Change Proposals.**

**085-2.10.2 [A00032] Extension of the performance period for the two representatives identified in SOW 085-2.10.1, or the addition of representatives to support these or other tasks related to the 2D and 3D TDPs may be required and are within the scope of this contract, but will be the subject of a contract change to definitize the requirements and duration of performance.**

**085-2.10.3 [A00032] The duty schedule for the two representatives will normally be 40 hours per week, with normal duty hours to be consistent with the terms and conditions in the contract for similar labor categories. The hourly rate specified in the contract will apply to work performed outside normal duty hours but within the scheduled 40 hours per week. The representatives may be required to perform in excess of the 40 hour work week, and overtime may be authorized with prior approval of the COTR or KO. Overtime labor rates are not authorized without the express approval of the COTR or KO.**

### **085-3 [Orig] Calculations**

**085-3.1 [Orig] The contractor shall develop engineering calculations and analyses ([CDRL 085-004](#)) to demonstrate that the RB-M design conforms to the [Specification](#) and invoked references in all areas but not limited to the following:**

**085-3.1.1 [Orig] Proper performance such as speed, range, noise, and vibration;**

**085-3.1.2 [Orig] satisfactory selection of the hull structural scantlings and arrangements, and key structural foundations (masts, engine girders);**

**085-3.1.3 [Orig] proper equipment selection and adequate system component sizing for all main propulsion equipment including, but not limited to the following, main propulsion engines, reduction gears, shafting, and propulsors;**

**085-3.1.4 [Orig] proper equipment selection and adequate system component sizing for all auxiliary systems including, but not limited to the following: heating, ventilation and air conditioning; potable water; sewage and wastewater; drainage; fuel service and transfer; fire protection; sea water service and machinery cooling; bilge and ballast; engine intake and exhaust; hydraulic systems; mooring, towing and anchoring systems; cathodic protection; and steering systems;**

**085-3.1.5 [Orig] cradle structural design calculations to include Loads, Shipping (Land or Sea as applicable), Tie downs and Lifting;**

**085-3.1.6 [Orig] weight estimate per SOW section 096, stability analysis per specification section [079](#), electrical load analysis per specification section [300](#).**

### **085-4 [Orig] Master Equipment Configuration List (MECL)**

**085-4.1 [Orig] The Contractor shall develop a Master Equipment Configuration List (MECL) as part of the Integrated System Model (ISM). The MECL shall be a**