

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE 05	PAGE OF PAGES 1 3
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2. AMENDMENT/MODIFICATION NO. 037	3. EFFECTIVE DATE JUL 14 2005	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable) EXTERNAL TANK
6. ISSUED BY Procurement Office George C. Marshall Space Flight Center National Aeronautics and Space Administration Marshall Space Flight Center, Al 35812		7. ADMINISTERED BY (If other than Item 6) Jocelyn G. Connelly/ACO (504) 257-3805	

8. NAME AND ADDRESS OF CONTRACTOR (No. Street, county, State and ZIP: Code) Lockheed Martin Corporation P.O. Box 29304 New Orleans, LA 70189	(X)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	(X)	10A. MODIFICATION OF CONTRACT/ORDER NO. NNM04AA02F
		10B. DATED (SEE ITEM 13) 10-27-03

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) See Page 2

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

(X)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Clause 52.243-2 Changes Cost Reimbursement and FAR 43.103a
	D. OTHER Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return 3 copies to the issuing office.

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

	Provisional	Negotiated	Contract Value	Amount Allotted
	<u>Estimated Cost</u>	<u>Estimated Cost</u>		
Previous Contract Total	\$ -0-	\$ 47,645,616	\$ 47,645,616	\$ 46,739,828
This Modification	\$ -0-	\$ 802,405	\$ 802,405	\$ -0-
Revised Contract Total	\$ -0-	\$ 48,448,021	\$ 48,448,021	\$ 46,739,828

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) Glenn M. Schmitt Manager, Contracts Administration	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Howard J. Nelson Contracting Officer
15B. CONTRACTOR/OFFEROR ORIGINAL SIGNED BY BY _____ (Signature of person authorized to sign)	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA ORIGINAL SIGNED BY BY _____ (Signature of Contracting Officer)	16C. DATE SIGNED JUL 14 2005

- I. The purpose of this modification is to incorporate the requirements of Project Change Proposals (PCP) B81850A entitled "Implementation of MAF Security Improvements," PCP B81838B entitled "Thermal Protection System (TPS) Mockup and Spray Center – Permanent Facility 65%, CoF Design Effort" and PCP B81839B entitled "Production Processing Facility Modifications to Support External Tank Program Return to Normal Production Activities – 65% Construction of Facilities (CoF) Design Effort." This modification also corrects the individual CoF Line Item 35% amounts, previously identified in Modification No. 031 in Attachment J-4 – CoF Projects, however does not affect the total 35% amounts negotiated.
- II. Section B. Clause B.2, Paragraph (a) Space Flight, Control and Data Communications (SFC&DC), is hereby revised to increase the Negotiated Cost and Contract Value by \$28,673 for PCP B81850A. The new totals for Negotiated Cost and Contract Value for this paragraph are shown on the attached B-1 page.
- III. Section B. Clause B.2, Paragraph (b) Construction of Facilities (CoF), is hereby revised to increase the Negotiated Cost and Contract Value by \$137,167 for PCP B81838B and \$636,565 for PCP B81839B. The new totals for Negotiated Cost and Contract Value for this paragraph are shown on the attached B-1 page.
- IV. Section J, Attachment J-2, Contractor Acquired Property, is hereby revised to add Michoud Assembly Facility (MAF) Security Improvements associated with negotiated cost agreements related to PCP B81850A.
- V. Section J, Attachment J-4, CoF Projects – Modification and Construction of Real And Installed Property, is hereby revised to add PCP B81838B, "Thermal Protection System (TPS) Mockup and Spray Center – Permanent Facility CoF Design Effort" Line Items 358 and 359 to add the 65% data. J-4 is also revised to add PCP B81839B, "Production Processing Facility Modifications to Support External Tank Program Return to Normal Production Activities – Construction of Facilities (CoF) Design Effort" Line Items 361, 362, 363, 364, 365, 366, 367, and 368 to add the 65% data. In addition, Line Items 361 through 368 are revised to correct the 35% cost and G&A allocations.
- VI. The following pages of the contract are revised as appended, and made an inseparable part hereof.

Revised Pages
B-1, J-2-1, J-4-2, J-4-3 and J-4-4
- VII. This modification consists in its entirety of Standard Form 30, page 2 and 3, and the revised pages listed in paragraph VI. above.

VIII. In consideration of the modification agreed to herein as complete equitable adjustment of all claims arising out of or attributable to the issuance of the change(s) and/or contractor proposals) listed below, the contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to said contract change(s) and/or contractor proposal(s), and/or for such additional obligation as may be required by this modification

Contract Change Identification

Contract Proposal Number

CCBD ET3-00-9933, Dated 02/02/05

PCP B81850A (05MO-0073), PCIN
071374, Dated 01/21/05, as
updated on 05/12/05

CCBD ET3-00-9936, Dated 02/16/05

PCP B81838B (05MO-0116), PCIN
071372, Dated 02/03/05, as
updated on 06/10/05

CCBD ET3-00-9938, Dated 02/16/05

PCP B81839B (05MO-0118), PCIN
071372, Dated 02/03/05, as
updated on 06/10/05

SECTION B

SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 BRIEF DESCRIPTION OF WORK

The Contractor shall furnish all personnel, facilities, equipment, material, supplies and services (except as may be expressly set forth in this contract as furnished by the Government) and otherwise do all things necessary to, or incident to, performing and providing the following items of work:

To facilitate the Space Shuttle External Tank Project under this consolidated facilities contract by providing Government furnished property and the acquisition of other property for use as needed as further described in Attachment J-1.

(End of clause)

B.2 ESTIMATED COST FOR FACILITIES

The total estimated cost for complete performance of this contract for each category is stated below. This is a cost reimbursable contract only and therefore the Government shall not pay the Contractor a fee for performing this contract.

(a) Space Flight, Control and Data Communications (SFC&DC)

	<u>Provisional Cost</u>	<u>Negotiated Cost</u>	<u>Contract Value</u>
Previous	\$ -0-	\$ 30,655,084	\$ 30,655,084
This Mod	\$ <u>-0-</u>	\$ <u>28,673</u>	\$ <u>28,673</u>
Total	\$ -0-	\$ 30,683,757	\$ 30,683,757

(b) Construction of Facilities (CoF)

	<u>Negotiated Cost</u>	<u>Contract Value</u>
Previous	\$ 16,990,532	\$ 16,990,532
This Mod	\$ <u>773,732</u>	\$ <u>773,732</u>
Total	\$ 17,764,264	\$ 17,764,264

(c) Construction of Facilities (CoF) Environmental Studies

	<u>Negotiated Cost</u>	<u>Contract Value</u>
Previous	\$ -0-	\$ -0-
This Mod	\$ <u>-0-</u>	\$ <u>-0-</u>
Total	\$ -0-	\$ -0-

Recapitulation of Total Contract Value \$ 48,448,021

ATTACHMENT J-2

CONTRACTOR ACQUIRED PROPERTY

ITEM # /QUARTERLY REPORT
/LETTER
REFERENCE

SUPPLEMENTAL
AGREEMENT #

PCP #

NASA CO AUTHORIZATION
DATE

A7638	002	B90409	12/12/03
4 TH Q 2003/ 03MI-1157			12/17/03
4 TH Q 2003/ 03MI-1169			12/22/03
1 ST Q 2004/ 04MI-0247			04/05/04
OFF CYCLE/ 04MI-0297			04/26/04
OFF CYCLE/ 04MI-0363			05/19/04
OFF CYCLE/ 04MI-0410			06/08/04
2 ND Q 2004/ 04MI-0512			07/07/04
A7760 (GUSMER PUMPS)	016	B81807A	08/25/04
OFF CYCLE/ 04MI-0582			08/4/04
OFF CYCLE/ 04MI-0665			8/31/04
RETURN TO FLIGHT REQUIREMENTS	021	B90417	11/5/04
FY05 AND MULTI-YEAR CONTRACTOR ACQUIRED PROPERTY AND REHABILITATION OF PLANT EQUIPMENT	025	B90418	1/22/05
SECURITY REQUIREMENTS AT MICHODD ASSEMBLY FACILITY (MAF) – PHASE II UPGRADES	028	B81717G	2/15/05
TPS MOCKUP AND SPRAY FACILITY – DESIGN AND SITE INVESTIGATION FOR INSTALLATION OF PLANT EQUIPMENT	036	B81838C	TBD
3 RD Q 2004/04MI-0734			09/27/04
4 TH Q 2004/05MI-0073			12/23/04
1 ST Q 2005/05MI-0455			05/12/05
IMPLEMENT MICHODD ASSEMBLY FACILITY (MAF) SECURITY IMPROVEMENTS	037	B81850A	TBD

<u>Line Item No.</u>	<u>Facility Project Description</u>	<u>Estimated Design Costs</u>	<u>Estimated Construction & SIES Costs</u>	<u>Estimated Site Investigation & Studies</u>	<u>Estimated G&A Cost</u>	<u>Estimated Construct. Start Date</u>	<u>Estimated Construct. Completion Date</u>	
328	Install Closed Loop CHW System – Phase 1 *Option		\$1,326,920		(b)(4)	April 2005	Dec 2006	
329	Replace Fire Alarm System – Phase I		\$1,326,612			April 2005	Oct 2006	
330	Upgrade West Master Substation – Phase II *Option		\$1,611,027			April 2005	Nov 2006	
349	Upgrade West Master Substation		\$1,414,494			July 2004	Aug 2005	
350	Repair Cooling Tower Building 352		\$565,660			Jun 2004	May 2005	
358	Rehab and Modify Building 103 for TPS Mockup (Southwest)							
(35% Design) (65% Design)		\$ 52,181 \$101,799					Dec 2005	Sep 2006
359	TPS Mock-up and Spray Storage – Building 420		\$12,824				Dec 2005	Jun 2006
(35% Design) (65% Design)		\$12,824 \$27,972						
361	Rehab and Modify Final Assembly – Building 103		\$ 61,892				Oct 2005	Nov 2006
(35% Design) (65% Design)		\$ 61,892 \$116,116						
362	Rehab and Modify Final Assembly Positions 1&2		\$50,906			Oct 2005	Nov 2006	
(35% Design) (65% Design)		\$50,906 \$96,848						

*Options will be worked based on availability of funding of option total (see PCP), upon completion of base scope

Contract NNM04AA02F
Modification No.037

<u>Line Item No.</u>	<u>Facility Project Description</u>	<u>Estimated Design Costs</u>	<u>Estimated Construction & SIES Costs</u>	<u>Estimated Site Investigation & Studies</u>	<u>Estimated G&A Cost</u>	<u>Estimated Construct. Start Date</u>	<u>Estimated Construct. Completion Date</u>
363 (35% Design) (65% Design)	Rehab and Modify Final Assembly Position 3	\$31,395 \$59,847			(b)(4)	Oct 2005	Nov 2006
364 (35% Design) (65% Design)	Rehab and Modify Final Assembly Position 4	\$31,395 \$59,415				Oct 2005	Nov 2006
365 (35% Design) (65% Design)	Rehab and Modify Intertank Position 3	\$14,382 \$26,606				Dec 2005	Nov 2006
366 (35% Design) (65% Design)	Rehab and Modify Cell A Close Out Area	\$28,659 \$50,635				Dec 2005	Nov 2006
367 (35% Design) (65% Design)	Rehab and Modify Building 420, Cells 1 & 2	\$29,785 \$55,062				Nov 2005	Nov 2006
368 (35% Design) (65% Design)	Rehab and Modify 103 for New Gun/ Proportioner Facility	\$ 74,543 \$137,803				Oct 2005	Mar 2007
2006D	FY 06 CoF Project – Design and Site Investigation Install Closed Loop Chilled Water System (103) Phase II (Line Item 338)	\$158,393				Dec 2005	Mar 2007

*Options will be worked based on availability of funding of option total (see PCP), upon completion of base scope.

<u>Line Item No.</u>	<u>Facility Project Description</u>	<u>Estimated Design Costs</u>	<u>Estimated Construction & SIES Costs</u>	<u>Estimated Site Investigation & Studies</u>	<u>Estimated G&A Cost</u>	<u>Estimated Construct. Start Date</u>	<u>Estimated Construct. Completion Date</u>
2006D Cont.	Replace Fire Alarm Systems Phase II (Line Item 339)	\$130,108			(b)(4)	Dec 2005	Jan 2007
	Replace Substation 46 and Motor Control Centers (MCC) (131) (Line Item 340) *Option	\$92,957 \$3,210				Dec 2005	Feb 2007
	Rehab Cranes and Trolleys/Controls (103) Phase II (Line Item 341)	\$94,249				Dec 2005	Jan 2007
	Replace Cooling Tower/Chiller & Air Handling Units (AHU) 1 and 2 (420/421) (Line Item 342)	\$173,500				Dec 2005	Feb 2007
	Rehab Critical Wastewater Process Tanks (173) Phase II (Line Item 343)	\$105,578				Dec 2005	Jan 2007
	Replace Air Handling Units (AHU) and Decking North Mezzanine (103) (Line Item 344)	\$256,509				Dec 2005	Apr 2007
	Replace Breathing/Plant Air Compressors (318) (Line Item 345)	\$75,413				Dec 2005	Jan 2007
	Replace Feeders 17/31 Underground (Line Item 346)	\$117,852				Dec 2005	Mar 2007

* Options will be worked based on availability of funding of option total (see PCP), upon completion of base scope