

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

1. CONTRACT ID CODE 12	PAGE OF PAGES 1 4
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2. AMENDMENT/MODIFICATION NO. 0050	3. EFFECTIVE DATE 6/20/11	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable) MSFOC
6. ISSUED BY CODE	PS43	7. ADMINISTERED BY (If other than Item 6) CODE	MKG

Procurement Office  
George C. Marshall Space Flight Center  
National Aeronautics and Space Administration  
Marshall Space Flight Center, AL 35812

PS43/Mark A. York (256) 544-4028

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)  JACOBS TECHNOLOGY INC. MSFOC GROUP 13800 OLD GENTILLY ROAD, BLDG 320 NEW ORLEANS, LA 70129-2218  ATTN: MIKE DAWSON (931) 455-6400	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. NNM09AA20C
		10B. DATED (SEE ITEM 13) 05/01/2009
CODE 07486 - CAGE	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 \_\_\_\_\_ copies of the amendment;
- (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
- (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

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

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

<input type="checkbox"/>	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.
<input type="checkbox"/>	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).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) 41.103(a)(3) Bilateral Modifications

**E. IMPORTANT:** Contractor  is not  is required to sign and return three (3) original copies to the issuing office.

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

	Contract Amount	Alloted Funding
Previous Contract Amount	\$ 212,526,482	\$ 182,518,933.16
Increase this Modification	\$ 4,209,514	\$ 3,578,220.21
New Contract Amount	\$ 216,735,996	\$ 186,097,153.37

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) Michael C. Dawson, Vice President & General Manager MAF Group, Jacobs Technology, Inc.	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Mark a. York Contracting Officer
15B. CONTRACTOR/OFFEROR 	16B. UNITED STATES OF AMERICA BY
15C. DATE SIGNED 6/14/2011	16C. DATE SIGNED 6/20/11

14. DESCRIPTION OF AMENDMENT/MODIFICATION (continued):

(A) Contract Value and Incremental Funding are increased as stated below:

Clause B.2, **ESTIMATED COST AND AWARD FEE (1852.216-85) (SEP 1993)**, as set forth on in Table B-1 of the contract, is hereby increased by **\$4,209,514** to **\$216,735,996**. The following recapitulation sets forth current contract values.

**Section B-2 Estimated Cost and Award Fee** is changed from:

The total estimated cost of this contract is (b)(4) for CLIN 1 - 9. The total award fee for this contract is (b)(4) for CLIN 1,2,4,5,7,and 8. The total estimated cost for Option Years 1 and 2 is (b)(4) for CLIN 10 - 15. The total award fee for the Option Years 1 and 2 is \$ (b)(4) for CLIN 10, 11, 13, and 14. The total estimated cost of this contract is (b)(4) with total award fee of (b)(4) for a total contract value of **\$287,460,154**.

to:

The total estimated cost of this contract is (b)(4) for CLIN 1 - 9. The total award fee for this contract is (b)(4) for CLIN 1,2,4,5,7,and 8. The total estimated cost for Option Years 1 and 2 is (b)(4) for CLIN 10 - 15. The total award fee for the Option Years 1 and 2 is \$ (b)(4) for CLIN 10, 11, 13, and 14. The total estimated cost of this contract is (b)(4) with total award fee of **\$16,466,859** for a total contract value of **\$291,669,668**.

**Table B-1** is changed from:

TABLE B-1, ESTIMATED COST AND AWARD FEE (AF)					
CLIN	Description	TOTAL ESTIMATED COST	TOTAL MAXIMUM	TOTAL EARNED AWARD FEE	TOTAL VALUE
1	Mission Services for Yr 1	(b)(4)		\$2,447,216	\$33,476,993
2	J-1 PWS IDIQ Task Orders for Year 1			\$775,236	\$10,669,375
3	J-2 PWS IDIQ Task Orders for Year 1			N/A	\$30,400,756
Total CLIN 1, 2, and 3					\$74,547,124
4	Mission Services for Yr 2			\$1,321,554	\$35,446,755
5	J-1 PWS IDIQ Task Orders for Yr 2			\$834,523	\$19,019,876
6	J-2 PWS IDIQ Task Orders for Yr 2			N/A	\$37,344,818
Total CLIN 4, 5, and 6					\$91,811,449
7	Mission Services for Yr 3				\$35,939,926
8	J-1 PWS IDIQ Task Orders for Yr 3		\$2,661,204		
9	J-2 PWS IDIQ Task Orders for Yr 3		\$7,566,779		
Total CLIN 7, 8, and 9			\$46,167,909		

to:

TABLE B-1, ESTIMATED COST AND AWARD FEE (AF)					
CLIN	Description	TOTAL ESTIMATED COST	TOTAL MAXIMUM	TOTAL EARNED AWARD FEE	TOTAL VALUE
1	Mission Services for Yr 1	(b)(4)		\$2,447,216	\$33,476,993
2	J-1 PWS IDIQ Task Orders for Year 1	(b)(4)		\$775,236	\$10,669,375
3	J-2 PWS IDIQ Task Orders for Year 1	(b)(4)		N/A	\$30,400,756
Total CLII					\$74,547,124
4	Mission Services for Yr 2	(b)(4)		\$1,321,554	\$35,446,755
5	J-1 PWS IDIQ Task Orders for Yr 2	(b)(4)		\$834,523	\$17,153,385
6	J-2 PWS IDIQ Task Orders for Yr 2	(b)(4)		N/A	\$34,257,227
Total CLII					\$86,857,367
7	Mission Services for Yr 3	(b)(4)			\$35,939,926
8	J-1 PWS IDIQ Task Orders for Yr 3	(b)(4)			\$8,521,506
9	J-2 PWS IDIQ Task Orders for Yr 3	(b)(4)		N/A	\$10,870,074
Total CLIN 7, 8, and 9					\$55,331,506

(B) Clause B.5, **AWARD FEE SCORES**, as set forth on page B-5 of the contract, is hereby revised to reflect revised Award Fee pools as result of this modification.

(C) Clause B.6, **CONTRACT FUNDING (1852.233-81) (JUN 1990)**, as set forth on page B-5 of the contract, is hereby increased by **\$3,578,220** as result of this modification.

**Financial and Accounting Data to be revised:**

PR# 4200394452  
 Internal Order FC000000  
 Cost Center 62SF02  
 Fund Center 62

WBS Element	Fund	Amount
921179.01.08.11.AS73.11	CASX12011R	\$7,095.07
804911.02.08.11.SF36.11	CASX12011R	\$49,055.00
804911.02.08.11.SF2A.11	CASX12011R	\$21,471.00
804911.02.08.11.SF3K.11	CASX12011R	\$15,147.14
524238.08.01.01.02	EXCX22011D	\$68,649.00
735200.02.01.08.02	EXPX22011D	\$50,000.00
735200.02.01.08	EXCX22011D	\$1,448,000.00
136905.08.05.12.07.08	EXCX22011D	\$5,702.00
735200.02.01.08	EXCX22010D	\$26,021.00
644423.02.40.08	EXPX22011D	\$150,000
804911.02.08.11.SF44.11	CASX22011R	\$436
804911.02.08.11.SF43.11	CASX22011R	\$220,891
804911.02.08.11.SF36.11	CASX12011R	\$4,192
804911.02.08.11.SF27.11	CASX12011R	\$6,561
60476.07.03.11.08.02	EXPX22011D	\$45,000
60476.07.03.11.08.01	EXPX22011D	\$1,460,000

The following recapitulation sets forth current funded amounts.

(D) **Attachment J-16 IDIQ List of Task Orders** is hereby revised to update Task Order Values, Period of Performance and incorporate Task Orders 109J-1 through 132J-1 and 114J-2 through 124J-2.

(E) As a result of this modification, the following pages of the contract are hereby deleted and replaced with a new page as indicated below.

Attachments

Page(s) Deleted

B-1 and B-2 (Mod 0046)

B-5 (Mod 0049)

J-16 (Mod 0035)

Replacement Added Page(s)

B-1 and B-2 (Mod 0050)

B-5 (Mod 0050)

J-16 (Mod 0050)

**B-1 SERVICES TO BE FURNISHED AND TYPE OF CONTRACT**

- A.** Consistent with NASA's most important core value of safety - safety of the public, safety of the astronauts and pilots, safety of our workforce, and safety of our equipment and property: The Contractor shall provide all resources (except as expressly stated in the contract as furnished by the Government) necessary to furnish the services delineated in the Performance Work Statement (PWS) in Attachment J-1, entitled: "Michoud Assembly Facility Manufacturing Support and Facilities Operations Contract (MSFOC)" and Attachment J-2, entitled: "MSFOC Facilities PWS."
- B.** The services will be procured under two separate portions, Mission Services (MS) and Indefinite Delivery/Indefinite Quantity (IDIQ). The requirement is being procured on a cost-plus-award-fee basis. The contract and supporting data are organized as shown below:

[1] The Mission Services portion covers work identified in Section 1.0 – 10.0 of the Attachment J-1, MSFOC PWS. Project management and administrative resources necessary to manage both the Mission and the IDIQ contract portions are covered in the Mission Services.

[2] IDIQ task orders will be used to procure those services identified in Section 11.0 of Attachment J-1, MSFOC PWS and Section 1.0 - 8.0 of Attachment J-2, MSFOC Facilities PWS that cannot be predetermined or quantified in advance.

(End of Clause)

**B-2 1852.216-85 ESTIMATED COST AND AWARD FEE (SEP 1993)**

**A.** The total estimated cost of this contract is (b)(4) for CLIN 1 - 9. The total award fee for this contract is (b)(4) for CLIN 1,2,4,5,7,and 8. The total estimated cost for Option Years 1 and 2 is (b)(4) for CLIN 10 - 15. The total award fee for the Option Years 1 and 2 is (b)(4) for CLIN 10, 11, 13, and 14. The total estimated cost of this contract is (b)(4) with total award fee of (b)(4) for a total contract value of \$291,669,668.

**B.** Table B-1 reflects the contract values of individual contract line items (CLINs) and is set forth below:

**TABLE B-1, ESTIMATED COST AND AWARD FEE (AF)**

CLIN	Description	TOTAL ESTIMATED COST	TOTAL MAXIMUM POTENTIAL AWARD FEE	TOTAL EARNED AWARD FEE	TOTAL VALUE		
1	Mission Services for Yr 1	(b)(4)		\$2,447,216	\$33,476,993		
2	J-1 PWS IDIQ Task Orders for Year 1			\$775,236	\$10,669,375		
3	J-2 PWS IDIQ Task Orders for Year 1			N/A	\$30,400,756		
				<b>N 1, 2 and 3</b>	\$74,547,124		
4	Mission Services for Yr 2			\$1,321,554	\$35,446,755		
5	J-1 PWS IDIQ Task Orders for Yr 2			\$834,523	\$17,153,385		
6	J-2 PWS IDIQ Task Orders for Yr 2			N/A	\$34,257,227		
				<b>N 4, 5 and 6</b>	\$86,857,367		
7	Mission Services for Yr 3				\$35,939,926		
8	J-1 PWS IDIQ Task Orders for Yr 3		\$8,521,506				
9	J-2 PWS IDIQ Task Orders for Yr 3		N/A	\$10,870,074			
				<b>Total CLIN 7, 8 and 9</b>	\$55,331,506		

If the Government exercises any of its Options pursuant to the terms of the contract, the estimated costs and fees for each Mission Services CLIN shall be as set forth in Table B-2 below.

**TABLE B-2, MISSION SERVICES - OPTION VALUES**

CLIN	DESCRIPTION	TOTAL ESTIMATED COST	TOTAL MAXIMUM POTENTIAL AWARD FEE	TOTAL EARNED AWARD FEE	TOTAL VALUE
10	Mission Services for Yr 4 (Option 1)	(b)(4)			\$37,133,963
11	J-1 PWS IDIQ Task Orders for Yr 4 (Option 1)				TBD
12	J-2 PWS IDIQ Task Orders for Yr 4 (Option 1)			N/A	TBD
				<b>LIN 10, 11, and 12</b>	\$37,133,963
13	Mission Services for Yr 5 (Option 2)				\$37,799,709
14	J-1 PWS IDIQ Task Orders for Yr 5 (Option 2)				TBD
15	J-2 PWS IDIQ Task Orders for Yr 5 (Option 2)			N/A	TBD
				<b>CLIN 13, 14, and 15</b>	\$37,799,709

**B-5 AWARD FEE SCORES**

The amount of award fee earned shall be determined in accordance with Section J, Attachment J-5, *Performance Evaluation Plan*, and B.4, "1852.216-76 Award Fee for Service Contracts." The following tables specify the award fee available and award fee earned. NASA will make provisional and final earned award fee payments in accordance with B.4, "1852.216-76 Award Fee for Service Contracts."

AWARD FEE PERIOD		AWARD FEE		
FROM	TO	AVAILABLE	EARNED	
<b>BASE PERIOD</b>				
1-May-09	31-Oct-09	(b)(4)	\$1,537,924	
1-Nov-09	30-Apr-10		\$1,684,528	
1-May-10	31-Oct-10		\$2,156,077	
1-Nov-10	30-Apr-11			
1-May-11	31-Oct-11			
1-Nov-11	30-Apr-12			
<b>OPTION YEAR 1</b>				
1-May-12	31-Oct-12			
1-Nov-12	30-Apr-13			
<b>OPTION YEAR 2</b>				
1-May-13	31-Oct-13			
1-Nov-13	30-Apr-14			

**B-6 1852.232-81 CONTRACT FUNDING (JUN 1990)**

- A. For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is (b)(4). This allotment is for the MAF Manufacturing Support and Facility Operations Contract and covers the following estimated period of performance: May 1, 2009 through September 30, 2011.
- B. An additional amount of (b)(4) is obligated under this contract for payment of fee.

	Previous	This Action	Total
Estimated Cost:			
Operations	(b)(4)		
Construction of Facilities	(b)(4)		
Provisional Award Fee:			
Earned Award Fee:	\$ 5,378,529	\$ -	\$ 5,378,529
Total Sum Allotted:	\$ 182,518,933	\$ 3,578,220	\$ 186,097,153

(End of Clause)

**ATTACHMENT J-16**  
**IDIQ LIST OF TASK ORDERS J-1**

Modification 0050

Task Order No.	Initiating User/Org	Description	Period of Performance	Estimated Cost	Maximum Potential Award Fee	Total Value
001	SF01	Phase In Support	05/01/2009 - 06/30/2009	(b)(4)		\$78,173
002	SF01	CMMS System	05/01/2009 - 06/30/2009			\$1,199,936
003	SF01	ET PSLE Support	05/01/2009 - 10/01/2010			\$1,738,204
004	SF01	PSLE Support for Orion	05/01/2009 - 10/01/2010			\$408,127
005	SF01	PSLE Support for ARES Upper Stage	05/01/2009 - 10/01/2010			\$348,439
006	SF01	GIS - Engineering Assessment- <b>Cancelled</b>				\$0
007	SF01	PSLE Support for NCAM	06/10/2009 - 07/02/2009			\$749,473
010	SF01	MAF Bldg 103 Vertical Assembly Building CoF	06/22/2009 - 09/30/2010			\$25,656
011	SF01	Site Promotion and Development Support	06/22/2009 - 09/30/2010			\$527,760
012	SF01	Provide Maint/Site Svcs to USDA	07/01/2009 - 09/30/2009			\$66,813
013	SF01	Provide Maint/Site Svcs to USCG	07/01/2009 - 09/30/2009			\$55,383
015	SF01	Substation30 S Low Volt Breaker Maintenance	06/24/2009 - 12/24/2009			\$154,546
016	SF01	Phase II Activities J1 PWS 1.1.5 10.2.1 and 10.2.2	06/30/2009 - 09/20/2009			\$23,178
017	SF01	Upper Stage Robotic Weld Tool 1 2 3	07/31/2009 - 8/31/2011			\$293,075
018	SF01	Upper Stage Mfg Machining Center Modifications	07/31/2009 - 05/16/2011			\$237,894
019	SF01	Maintenance Project - Integrate Gas Meters at MAF	08/10/2009 - 4/20/2011			\$302,073
020	SF01	Maintenance Project - Update Substation Meters at MAF	08/10/2009 - 2/28/2011			\$746,561
021	SF01	Implement FY09 Upper Stage MAF Minor CoF Project: Replace Substation 46 and MCCs (131)	11/16/2009 - 04/30/2012			\$154,045
022	SF01	Implement FY09 ORION MAF Minor CoF Project: Replace Plant Air	10/16/2009 - 08/31/2011			\$87,983

**ATTACHMENT J-16**  
IDIQ LIST OF TASK ORDERS J-1

Modification 0050

Task Order No.	Initiating User/Org	Description	Period of Performance	Estimated Cost	Maximum Potential Award Fee	Total Value
023	SF01	Implement FY09 ORION MAF Minor CoF Project: Rehab Process Tanks IWTF	10/16/2009 - 09/30/2011	(b)(4)		\$95,133
024	SF01	GE1200 Aronson Weld Positioner	08/21/2009 - 09/30/2009			\$2,621
025	SF01	Replace Substation 16 Transformers	08/31/2009 - 02/28/2010			\$343,428
026	SF01	MAF 103 Highbay Addition Phase 3 of J-1 Activities	09/15/2009 - 12/31/2011			\$1,945,135
027	SF01	Provide Maintenance and Site Services to US Department of Agriculture and national Finance Center	10/01/2009 - 09/30/2010			\$430,027
028	SF01	Provide Maintenance and Site Services to US Coast Guard	10/03/2009 - 10/01/2010			\$224,777
029	SF01	MAF-114 Replace AHUs 14 & 26 for Cells G and K (J-1 activities)	10/01/2009 - 09/30/2011			\$101,946
030	SF01	Installation of 208V receptacles for SAIC equipment	10/01/2009 - 10/01/2009			\$43,807
031	SF01	Preservation Maintenance of ET Tooling and Equipment	10/01/2009 - 04/30/2010			\$1,159,269
032	SF01	Restore Process Areas Building 318	11/02/2009 - 11/30/2010			\$484,249
033	SF01	Perform Levee analysis	11/02/2009 - 10/30/2009			\$10,628
034	SF01	Restore HVAC System to South Manufacturing Areas Building 318 - Engineering Assessment	11/02/2009 - 12/12/2009			\$21,027
035	SF01	Replace sewer force line of Lift Station 22 @ Building 485	11/02/2009 - 12/30/2009			\$9,936
037	SF01	MAF Engineering Support	11/16/2009 - 09/30/2010			\$268,938
038	SF01	MAF 103 Modifications to Support Upper Stage Mfg. - Machining Center Enclosure and Vacuum System (J-1)	11/16/2009 - 10/30/2011			\$139,895
039	SF01	Repair Fan House 43 air duct	12/11/2009 - 02/28/2010			\$59,717

**ATTACHMENT J-16**  
IDIQ LIST OF TASK ORDERS J-1

Modification 0050

Task Order No.	Initiating User/Org	Description	Period of Performance	Estimated Cost	Maximum Potential Award Fee	Total Value
040	SF01	Metrology Site Preparation Building 318 -	02/26/2010 - 09/30/2010	(b)(4)		\$497,216
041	SF01	Provide Material Handling/ Installation Support for Machining Center Installation in Area 37.	02/15/2010 - 12/12/2010			\$95,619
042	SF01	Re-insulation of Building 404A	02/22/2010 - 06/30/2010			\$113,395
043	SF01	Cryoflex Testing - Ablator Phase 3	04/05/2010 - 04/30/2010			\$1,277
044	SF01	Procure mobile operator consoles & enhanced cameras for RWT2 and RWT 3	04/01/2010 - 01/30/2011			\$202,978
045	SF01	Replace/Relocate AHUs 1-4 9Lab Ops) Design and Bid	02/26/2010 - 9/30/2011			\$200,000
046	SF01	MAF Rendundant Pumpstation Support	04/01/2010 - 04/01/2012			\$700,000
047	SF01	Metrology Relocation: Relocate Lab Equipment from Building 103 to Building 318	10/01/2009 - 11/30/2010			\$496,692
048	SF01	Design for Modification of ET transporters - <b>Cancelled</b>	N/A			\$0
049	SF01	Roof Panel/Purlin Repairs in Building 103	03/08/2010 - 07/30/2010			\$200,530
050	SF01	Demolish MAF Buildings 175 (partial) 108 205 352 (partial) 406 and 483	04/01/2010 - 02/24/2011			\$46,524
052	SF01	Operations Support of MAF Laboratories	04/01/2010 - 09/30/2010			\$121,343
053	SF01	Preservation of ET Tools for Ares V Utilization (36 month preservation)	05/31/2010 - 09/30/2011			\$2,300,000
054	SF01	Provide IT Power Outlets for Orion Manufacturing Area	05/01/2010 - 07/30/2010			\$6,499
055	SF01	Lab Stand-up	10/01/2009 - 09/30/2010			\$1,706,394
056	SF01	Provide Electrical Outlets and Crib Fencing Bldg. 420	05/01/2010 - 07/30/2010			\$10,238

**ATTACHMENT J-16**  
**IDIQ LIST OF TASK ORDERS J-1**

Modification 0050

Task Order No.	Initiating User/Org	Description	Period of Performance	Estimated Cost	Maximum Potential Award Fee	Total Value
057	SF01	Replace Fire Alarm System Phase 3 and Rehabilitate Storm Drainage (304): Design and bid Package Preparation.	02/26/2010 - 9/30/2011	(b)(4)		\$199,143
059	SF01	ARES (Upper Stage)Planning Services for MAF 420 - Modifications to Cells 3 and 4	05/30/2010 - 04/28/2011			\$1,650,001
060	SF01	Area 26 Thermal Protection System Application (Planning)	05/31/2010 - 03/27/2011			\$264
061	SF01	MAF Area 30 Upper Stage Assembly Proof Test (Planning)	06/15/2010 - 04/11/2011			\$737
062	SF01	Area 25 Common Bulkhead Seal Weld (Planning)	05/31/2010 - 02/25/2011			\$2,614
063	SF01	Area 19 Reaction Control system Assembly (Planning)	05/31/2010 - 01/26/2011			\$5,103
064	SF01	MAF Area 18 Aft Skirt Assembly and Integration (Planning)	05/31/2010 - 01/26/2011			\$3,506
065	SF01	Area 15 IU Integration and Test Cell (Planning)	05/31/2010 - 01/26/2011			\$5,034
066	SF01	Planning for Transporter Test Load Fixture Building	06/08/2010 - 12/05/2010			\$30,000
067	SF01	Planning for Area 16 Thrust Cone Integration / Common Test Cell	06/08/2010 - 02/03/2011			\$841
068	SF01	Planning for Area 40 External Clean and Prime Cell P Building 131	04/09/2010 - 12/05/2010			\$6,892
069	SF01	Planning for Area 20 Slosh Baffle	06/08/2010 - 11/05/2010			\$7,625
070	SF01	Planning for Area 31 External MPS Integration	06/08/2010 - 11/05/2010			\$11,971
071	SF01	Planning for Area 21 Internal MPS Integration	06/08/2010 - 01/04/2011			\$3,171
072	SF01	Upgrade Energy Management Control System (EMCS)	06/01/2010 - 02/28/2011			\$289,784

**ATTACHMENT J-16**  
**IDIQ LIST OF TASK ORDERS J-1**

Modification 0050

Task Order No.	Initiating User/Org	Description	Period of Performance	Estimated Cost	Maximum Potential Award Fee	Total Value
073	SF01	Remove Building 303 Storage Racks	06/17/2010 - 11/17/2010	(b)(4)		\$154,256
074	SF01	Installation of LM Capital Equipment - Composite Material Freezer	06/22/2010 - 12/31/2010			\$13,565
075	SF01	Repair Fanhouses (B103) Doors (B103 B201 B303 and B351) and Stacks (B103) (Katrina)	07/15/2010 - 08/29/2011			\$657,381
076	SF01	Building 103 roof Repairs (Katrina)	07/15/2010 - 05/31/2011			\$163,641
077	SF01	202 Cooling Tower Repairs (Katrina)	07/15/2010 - 08/09/2011			\$167,954
078	SF01	Building 304 Storm Drainage Piping Repair (Katrina)	10/08/2010 - 08/29/2011			\$975,000
079	SF01	Restore S-1C Saturn Booster Display B307 (Katrina)	07/15/2010 - 08/29/2011			\$650,000
080	SF01	Site Roads and Bridge Repair (Katrina)	07/15/2010 - 08/29/2011			\$750,000
081	SF01	Support for Gray vs. LM - Cancelled	07/15/2010 - 07/10/2011			\$0
082	SF01	Demolish MAF Buildings 105 and 301 and MAF Structure 317 (J-1)	07/15/2010 - 07/10/2011			\$119,999
083	SF01	Security Modifications for Building 101 (Eng. & Mgt. services)	06/30/2010 - 01/29/2011			\$16,778
084	SF01	Security Modifications for Building 303 (Eng. & Mgt. services)	06/30/2010 - 01/29/2011			\$36,311
085	SF01	Site Preparation Package for PDS Tool Installation for NCAM	08/6/2010 - 9/30/2011			\$29,912
086	SF01	Troubleshoot & Calibrate Machining Equipment In Support Of Orion Production Operations	02/08/2010 - 09/30/2010			\$83,024
087	SF01	"Repair Fire Alarm System Phase 3" (Eng. & Mgt. services) FY 2010 COF	08/01/2010 - 06/30/2012			\$208,000

**ATTACHMENT J-16**  
**IDIQ LIST OF TASK ORDERS J-1**

Modification 0050

Task Order No.	Initiating User/Org	Description	Period of Performance	Estimated Cost	Maximum Potential Award Fee	Total Value
088	SF01	MAF Replace/Relocate AHUs 1-4 and 1A Lab Op (Eng. & Mgt. services) FY10 Ares CoF)	08/01/2010 - 03/07/2012	(b)(4)		\$200,000
089	SF01	In-Situ Thermal Desorption Pilot Project	08/01/2010 - 10/03/2011			\$316,075
090	SF01	Manufacturing Support For Blade Dynamics	07/01/2010 - 11/30/2010			\$189,764
091	SF01	Relocate Security Post 15 and Reroute Fencing (220)	08/27/2010 - 03/28/2011			\$71,121
092	SF01	Monostrain and Immersion Cryoflex Testing Ares Upper Stage	09/01/2010 - 11/30/2010			\$4,375
093	SF01	Provide Maintenance and Site Services to US Coast Guard for FY11	10/01/2010 - 09/30/2011			\$439,846
094	SF01	Program Planning and Control Support for FY10	04/01/2010 - 09/30/2010			\$82,236
096	SF01	Program Planning and Control Support for FY11	10/01/2010 - 09/30/2011			\$190,627
097	SF01	Renewable Energy Credits for FY10	09/16/2010 - 09/30/2010			\$3,720
098	SF01	Provide Cameras and Card Readers for USDA Building 350	10/15/2010 - 06/12/2011			\$22,614
099	SF01	MAF Engineering Support for FY11	10/01/2010 - 09/30/2011			\$170,465
100	SF01	Orion Project Laboratory Services	10/01/2010 - 09/30/2011			\$20,916
101	SF01	Provide Maintenance and Site Services to USDA for FY11	10/01/2010 - 09/30/2011			\$483,198
102	SF01	Repair Vertical Drainage Pump at Bldg.450	09/15/2010 - 12/15/2010			\$132,154
103	SF01	MAF Lab Sustainment	10/01/2010 - 09/30/2011	\$1,629,842		

**ATTACHMENT J-16**  
**IDIQ LIST OF TASK ORDERS J-1**

Modification 0050

Task Order No.	Initiating User/Org	Description	Period of Performance	Estimated Cost	Maximum Potential Award Fee	Total Value
104	SF01	Provide Lab Support and Special Event Services for ET Extension for Flight Support in FY-11 (6-months)	10/01/2010 - 07/31/2011	(b)(4)		\$435,828
105	SF01	Tenant/ User Engineering Support for FY11	10/01/2010 - 09/30/2011			\$566,687
107	SF01	Modify Restrooms in Building 350 for ADA Compliance	10/15/2010 - 09/30/2011			\$129,134
108	SF01	FY11 Thermal Protection Products (TPP) Lab Services	10/01/2010 - 09/30/2011			\$31,292
109		Rehab Substation 30 Switchgear and Breaker	12/1/2010 - 3/30/2012			\$800,000
110		Provide 50,000 Gallon Diesel Storage Capability	12/1/2010 - 10/30/2011			\$400,000
111		Rehabilitate & Harden Pump Houses 304 and 143	12/1/2010 - 12/30/2011			\$400,000
112		Upgrade Building 450 Pump Station	12/1/2010 - 10/30/2011			\$800,000
113		Site Promotion & Development Support for FY11	10/01/2010 - 09/30/2011			\$500,000
115		Maintenance & Site Services for NCAM for FY11	10/01/2010 - 09/30/2011			\$450,001
116		Operations Support for Labs for FY11	10/01/2010 - 09/30/2011			\$169,890
117		Support for Orion GTA Ceremony	12/9/2010 - 12/14/2010			\$922
118		PM for LM Capital Equipment for FY11	10/01/2010 - 09/30/2011			\$5,593
119		CM for LM Capital Equipment for FY11	1/15/2011 - 12/31/2011	\$2,218		
120		Perform Economic Impact Study 2011	2/28/2011 - 6/28/2011	\$27,545		

**ATTACHMENT J-16**  
**IDIQ LIST OF TASK ORDERS J-1**

Modification 0050

Task Order No.	Initiating User/Org	Description	Period of Performance	Estimated Cost	Maximum Potential Award Fee	Total Value
121		Electrical Modifications for Bldg. 303 (Blade)	12/20/2010 - 2/28/2011	(b)(4)		\$3,848
122		Remove Building 303 Bay 4 Storage Racks	3/1/2011 - 7/1/2011			\$188,851
123		Provide Electrical Tie-in for LM Orion LAS Cone NDE tool	3/21/2011 - 4/29/2011			\$288
124		Installation of LM Capital Equipment - Friction Plug Welder	3/30/2011 - 11/30/2011			\$42,543
125		Planning/Eng. To Replace Substation 21 Bldg. 420	4/15/2011 - 8/7/2012			\$120,000
126		Planning/Eng. To Replace Forced Main Sanitary Piping Bldg. 303	4/15/2011 - 8/7/2012***			\$96,735
127		Lab Support to perform Primer Shelf Life Extension for US	4/15/2011 - 5/31/2011			\$5,701
128		USDA Ceiling Tile Replacement and Move Crew Support	3/15/11 - 5/31/11			\$11,495
129		Replace Transformer Phase 3 (West Master Substation)	8/16/10 - 7/12/11			\$140,000
130		USCG Blow Out Preventer Support	8/9/10 - 9/30/11			\$1,477,002
131		Lab Support and T&H Services for LM FAST Program	5/1/11 - 7/31/11			\$3,471
132		Medical Services for USDA	3/1/11 - 9/30/11			\$99,207
SECTION J-1 TOTAL TASK ORDER VALUE						\$36,344,266

## ATTACHMENT J-16

## IDIQ LIST OF TASK ORDERS J-2

Modification 0050

Task Order No.	Initiating User/Org	Description	Period of Performance	Ceiling Burden Applied	Total Value
008	SF01	Bldg 351 Cafeteria Equipment	06/10/2009 - 07/07/2009	(b)(4)	\$144,779
009	SF01	Repair and Improve 351 Cafeteria	06/10/2009 - 07/10/2009	(b)(4)	\$50,068
014	SF01	Payment of Utilities	06/01/2009 - 10/01/2010	(b)(4)	\$17,117,537
017	SF01	Upper Stage Robotic Weld Tool 1 2 3	07/31/2009 - 8/31/2011	(b)(4)	\$3,087,900
018	SF01	Upper Stage Mfg Machining Center Modifications	07/31/2009 - 09/28/2010	(b)(4)	\$2,001,135
021	SF01	MAF- REPLACE SUBSTATION 46 and MCCs (131)	11/16/2009 - 04/30/2012	(b)(4)	\$2,014,000
022	SF01	MAF - Replace Plant Air Phase 1	10/16/2009 - 8/31/2011	(b)(4)	\$1,090,000
023	SF01	MAF - Rehab Process Tanks IWTF Phase 1	10/16/2009 - 09/30/2011	(b)(4)	\$1,184,000
026	SF01	MAF 103 - Addition of Vertical Assembly and Welding Highbay	09/15/2009 - 03/18/2011	(b)(4)	\$27,484,903
029	SF01	MAF-114 Replace AHUs 14 & 26 for Cells G and K	10/01/2009 - 09/30/2011	(b)(4)	\$548,047
036	SF01	Contractor Acquired Property (CAP) for FY10	11/09/2009 - 12/30/2010	(b)(4)	\$550,804
038	SF01	MAF 103 Modifications to Support Upper Stage Mfg. - Machining Center Enclosure and Vacuum System	11/16/2009 - 10/30/2011	(b)(4)	\$1,998,498
051	SF01	Demolish MAF Buildings 175 (partial) 205 352 (partial) 406 and 483	04/01/2010 - 02/24/2011	(b)(4)	\$193,000
054	SF01	Provide IT Power Outlets for Orion Manufacturing Area	05/01/2010 - 07/30/2010	(b)(4)	\$12,157
058	SF01	Provide Electrical Outlets and Crib Fencing Bldg. 420	05/01/2010 - 10/31/2010	(b)(4)	\$24,764
074	SF01	Installation of LM Capital Equipment - Composite Material Freezer	06/22/2010 - 12/31/2010	(b)(4)	\$20,982
082	SF01	Demolish MAF Buildings 105 and 301 and MAF Structure 317	07/15/2010 - 07/10/2011	(b)(4)	\$629,999
083	SF01	Security Modifications for Bldg. 101 (Construction services)	06/30/2010 - 12/29/2010	(b)(4)	\$97,262

## ATTACHMENT J-16

## IDIQ LIST OF TASK ORDERS J-2

Modification 0050

Task Order No.	Initiating User/Org	Description	Period of Performance	Ceiling Burden Applied	Total Value
084	SF01	Security Modifications for Building 303 (Construction Services)	06/30/2010 - 01/29/2011	(b)(4)	\$226,935
087	SF01	Repair Fire Alarm System Phase 3 ( FY 2010 ARES CoF)	08/01/2010 - 06/30/2012	(b)(4)	\$2,943,000
088	SF01	MAF Replace/Relocate AHUs 1-4 and 1A Lab Op (FY 2010 ARES CoF)	08/01/2010 - 03/07/2012	(b)(4)	\$1,749,000
091	SF01	Relocate Security Post 15 and Reroute Fencing (220)	08/27/2010 - 03/28/2011	(b)(4)	\$285,157
095	SF01	Contractor Acquired Property (CAP) for FY11	10/01/2010 - 09/30/2011	(b)(4)	\$953,307
098	SF01	Provide Cameras and Card Readers for USDA Building 350	10/15/2010 - 06/12/2011	(b)(4)	\$173,872
106	SF01	Payment of Utilities for FY11	10/01/2010 - 09/30/2011	(b)(4)	\$10,599,973
114	SF01	Utilities associated with In-Situ Thermo Desorption Project	8/1/10 - 10/3/11	(b)(4)	\$101,348
124	SF01	Installation of LM Capital Equipment - Friction Plug Welder	3/30/2011 - 11/30/2011	(b)(4)	\$245,629
<b>SECTION J-2 TOTAL TASK ORDER VALUE</b>					<b>\$75,528,057</b>